

CATALOGUE  
2023-2024

ELECTRICAL SYSTEMS

LIGHTING

**Palalazzo**





*Let's be inspired*

# Palazzoli GROUP

**Palazzoli**

**Palazzoli**  
IBÉRICA

**Palazzoli**  
MIDDLE EAST



**STRAL**

## An International Group

The Palazzoli Group is one of the major international players in the production of electrical and lighting systems, with a worldwide presence of more than 5000 authorised dealers. The Group consists of the historic brand

Palazzoli (Italy), Palazzoli Ibérica (Spain), Palazzoli Middle East (United Arab Emirates), Lewden (Great Britain) and Stral (Italy). An international company with over 300 employees, present in more than 100 countries, serving the Industrial, ATEX, Infrastructure and Marine sectors.



Ambassadors of  
Made in Italy



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LIGHTING

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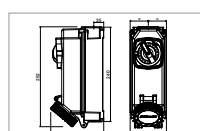
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## SERVICES

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### Spare parts



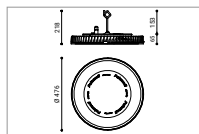
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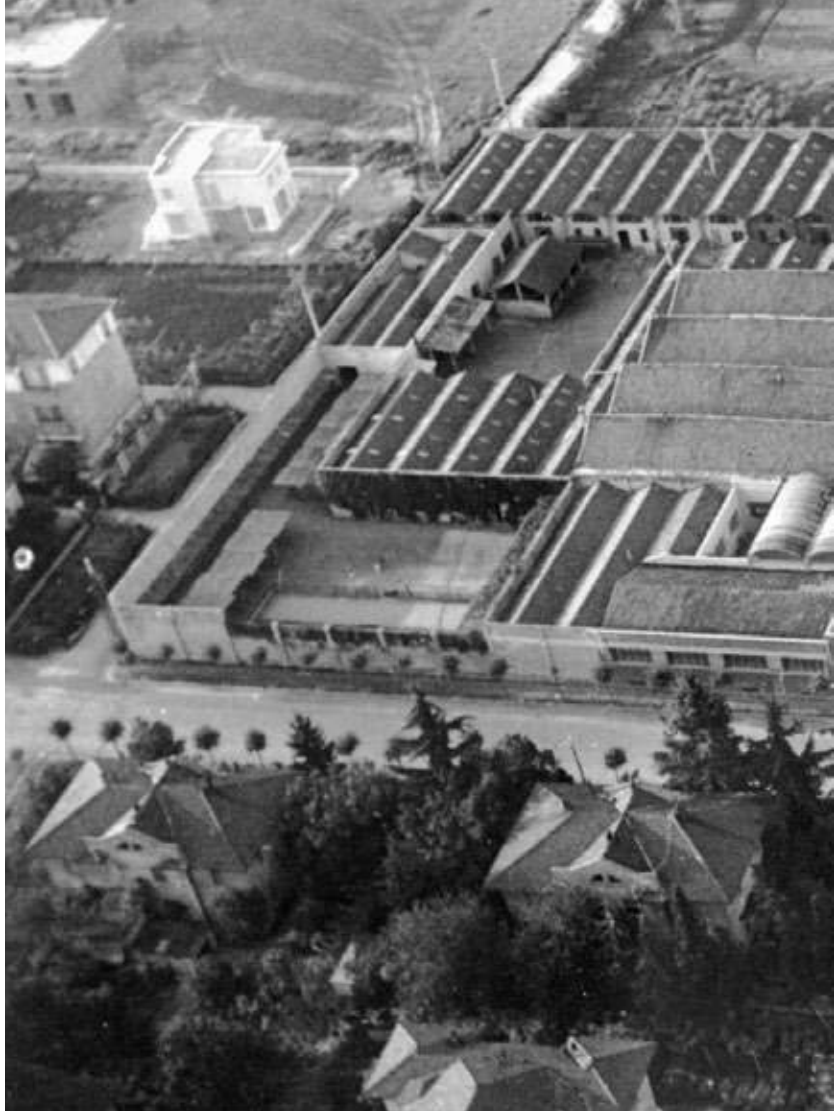


# 1904: the birth

Having grown in an area with an established industrial history, for more than a century, Palazzoli has contributed to carrying on the pride of Italian entrepreneurship with its commitment and profusion of energy. A sagacious and far-sighted interpreter of the changes that society, and in particular the industrial sector, was undergoing, the company made its contribution above all in sectors that present the greatest challenges and require increasingly specific skills.

By the 1950s, it was already ahead of its competitors and set up an in-house test and measurement laboratory to ensure the complete reliability of its products. Today the Company boasts a photometric laboratory that enables it to test the performance of its light fixtures in a very short time.

A leader in the supply of equipment for harsh environments, the Company has in fact been supplying products for locations with a high explosion hazard for more than 20 years.



Discover  
our **history**.





# Growth

From the 1990s onwards, the Company, on the strength of its achievements in the marine and industrial sectors, began to develop products for other sectors and soon obtained prestigious orders. The extension of the Milan Trade Fair and the new Brescia Trade Fair are just a few examples, to which orders for installations in extreme areas were added, such as the Italian Enea base in Antarctica, the equipment selected for the vast extraction plants in Israel and the Nantong power station in China.



Thanks to a massive investment that marked a clear industrial turning point, a new fully automated warehouse went into operation in 2004.

A forerunner of Industry 4.0 and artificial intelligence, without neglecting its attention to social issues, to the community of workers and more generally the link to the local area, issues to which the Company has always given particular importance. As early as 1924, women were working at the drill and lathe alongside men in Palazzoli's lathe department.

The social sensitivity of the Company's top management is demonstrated, for example, by the donation in 1966 of Villa Palazzoli with all its outbuildings and the adjacent Ronco to the Brescia Municipality, with the aim of converting them into a guesthouse for teachers and state employees.

Today, the Company can rightly boast that it has met and exceeded its Kyoto Protocol 2020 targets.

# Palazzoli today

With more than a century of history and a distinct industrial tradition behind it, Palazzoli today is a solid and highly reliable Company, recognised by the market for the high performance of its products and appreciated by individual customers for the quality of its services.

Thanks to its in-depth knowledge of materials, the Company is able to offer suitable solutions for every environment and therefore produces in a wide variety of variants, ranging from thermoplastic to thermosetting GRP, aluminium, stainless steel and brass.



## A certified Company

For customer satisfaction, protection and respect of employees and the local area, Palazzoli applies the Quality Management System according to the international standard UNI EN ISO 9001 and the Environmental Management System, certified according to the international standard UNI EN ISO 14001.

Palazzoli's focus is also on human capital. The ISO 45001-certified Occupational Health and Safety Management System is dedicated to this.



Thermal energy from waste to energy equal to 100% of demand

avoiding the emission of 1,182 tonnes of carbon dioxide per year, equivalent to the planting of 90,923 trees, 303 hectares.



Electricity from photovoltaic system, equal to 85% of the demand

avoiding the emission of 600 tonnes of carbon dioxide annually, equivalent to the planting of 46,154 trees, 154 hectares.

Annual values

over  
6 million



Kg of CO<sub>2</sub>  
saved





## A green Company

All work cycles are GREEN certified: no toxic materials in production, no harmful emissions into the environment. The Company uses photovoltaic systems to produce 85% of the electricity consumed.

Today, the Company has met and exceeded its 2020 Kyoto Protocol targets.

Palazzoli operates in all the major countries of the world, thanks to more than 100 businesses that cooperate with it directly and indirectly.



### Processing

- zero halogens
- zero asbestos
- zero carcinogenic components
- zero emissions of polluting liquids
- zero emissions of polluting gases



Raw materials, recycled aluminium from shredded aluminium, equal to 95% of the demand

avoiding the emission of 4,962 tonnes of carbon dioxide per year, equivalent to the planting of 381,692 trees, 1.272 hectares.

## A 4.0 Company

Products are manufactured on automated assembly lines with 100% mechanical, electrical and electronic testing. All production is monitored by quality assurance systems and stored in vertical, machine-readable warehouses, making shipping fast and safe.

over  
500,000



Trees  
planted

over  
1,700



Hectares  
saved

# Palazzoli's strength



## Customer focused operations

Drawing up a detailed analysis of the market and technical aspects as the basic objectives of the project, before starting with a new work plan.

## Smart engineering

A mechanical or electrical system that works well is a good project, and to realise it in the simplest and most reliable way is the goal of Palazzoli's technicians.



Discover  
our products.





## Top Manufacture

The careful selection of materials, the attention and expertise in manufacturing, the structured process checks, are the factors that differentiate the Palazzoli factory in Brescia.

## Service excellence

Timely deliveries, installation advice, testing and guaranteed operation over time do characterize Palazzoli's services.



Discover  
our **factory**.

### Technical assistance

Italy



WhatsApp



Worldwide



# High performance

Palazzoli produces electrical devices and light fixtures using a variety of materials.

The aluminium alloy bodies are treated against corrosion through a passivation and painting process. AISI 304 stainless steel bodies are intended for the industrial and ATEX sectors, while AISI 316L stainless steel bodies are intended for the infrastructure and marine sectors.

Inside, LED systems are mounted which, thanks to excellent heat dissipation, maintain the luminous flux unaltered, guaranteeing optimal operating conditions. The assembly and the wiring of the optical units inside the light fixtures are carried out in a dedicated area inside Palazzoli's facilities.

The lenses, mounted on the boards with an automated process, are designed to achieve an optimal distribution of the luminous flux.







# Certified quality

The pursuit of the highest quality objectives has distinguished Palazzoli over the years, a Company that has always been careful to offer consumers the best guarantees in terms of design criteria, production processes, product safety and durability.

All devices are made in Italy and certified, depending on the application, by CESI, IMQ, TÜV, RINA, DEKRA, INTERTEK, and EUROFINS.



Palazzoli has always specialised in the production of heavy-duty electrical and lighting devices for particularly aggressive environments, where the operating conditions are harsh and extreme.

For this reason, the Company has long since invested in surface finishing processes to ensure the best protection and excellent corrosion resistance.

The Company has created an in-house product painting department, structured on differentiated phases, in which every step of each finishing process is checked and verified. Through fluorozirconate coating processes, which precede powder coating, the Company is able to provide products with high quality standards, that are resistant to corrosion and abrasion.

# COMPANY CERTIFICATIONS



QUALITY



ENVIRONMENT



SAFETY



QAN



QAR



CTF 2

Palazzoli's Laboratory constantly collaborates with other laboratories, institutions and universities.

For customer satisfaction, protection and respect of workers and the territory, Palazzoli applies the Quality Management System, voluntarily subjected to annual checks by independent third parties to verify its full compliance with international standards: ISO 9001 (Quality), ISO 14001 (Environment) and ISO 45001 (Occupational Health and Safety).



# PRODUCT CERTIFICATIONS



DEKRA



TUV



RINA



INMETRO



INTERTEK




















IMQ

Palazzoli's Laboratory regularly participates in CEI and UNI technical committees as well as ANIE CSI and ASSIL working groups.

As regards ATEX environments, Palazzoli has obtained the "Notification of the guarantee of product quality" from IMQ and the "Quality Assessment Report" (IECEx QAR) for the production of electrical and lighting systems intended for potentially explosive atmospheres. Every Palazzoli product is designed to guarantee safety for users.

# PICTOGRAMS

	CE marking. Indicates that a product can circulate freely within the European Union. Guarantees that the product meets the essential safety requirements.		The IP code classifies and evaluates the degree of protection provided by the casings against the ingress of solids and water.
	Eurasian Economic Union (EEU) compliance, identifies that the product has been verified by a third party in accordance with EEU regulations.		The IK code is the degree of protection of the equipment against external mechanical impacts.
	Certification of compliance of equipment with European EN safety standards.		Insulation classes are defined by electrical safety standards and establish the protection characteristics of equipment against electrical shock.
	UK Conformity Assessed, identifies that the product has been assessed in accordance with UK regulations following Brexit.		Flicker (variation in light intensity over time) perceptible or not perceptible to the human eye.
	International Electrotechnical Commission for the Certification of Equipment for Use in Explosive Atmospheres, identifies that the product has been certified by an Ex Certification Body.		Correlated colour temperature.
	Device suitable for installation in environments with a potentially explosive atmosphere.		Device fitted with G13 connection for T8 fluorescent tubes.
	Registro Italiano Navale, maritime certification of products for installation in recreational vessels.		Type of light source screw connection.
	Resistant to ball strikes, suitable for installation in sports halls.		Indicates the possibility of shifting the position of the optics.
	Limited surface temperature, device suitable for installation in environments where there is a risk of thermal effects, e.g. combustion or degradation of materials, but where there is no risk of explosion.		Ambient temperature range within which correct operation of the product is guaranteed.
			Digital Addressable Lighting Interface. Digital transmission protocol.
			Indicates the possibility of installation in environments with swimming pools.

# HOW TO READ THE PRODUCT CODES



8 1 0 6 3 0    D A

Unique product code consisting of 6 numbers

Suffix to the code consisting of letters identifying the characteristics:

DA	DALI
HT	HIGH TEMPERATURE
VHT	VERY HIGH TEMPERATURE
NV	UNPAINTED
EX	ATEX DEVICES
MV	VIRTUAL MIDNIGHT
L_M	BRACKETS

# HOW TO RECOGNISE THE MOST REQUESTED CODES



Wall-mounted interlocked socket-outlets with fuse holder base IP66/IP67/IP69



Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref. (h)	Palazzoli code	Pack Qty
16	50/60Hz	110	●	2P+⊕	4	<b>475124</b>	1
	50/60Hz	110	●	3P+⊕	4	<b>475134</b>	1
	50/60Hz	110	●	3P+N+⊕	4	<b>475144</b>	1
entry F1	50/60Hz	110	●	3P+N+⊕	4	<b>475144</b>	1
	50/60Hz	230	●	2P+⊕	6	<b>475126</b>	1
10x38 fuses	50/60Hz	230	●	2P+⊕	6	<b>475126</b>	1
	50/60Hz	230	●	3P+⊕	9	<b>475139</b>	1

The green background identifies the most requested product

# Electrical systems

---

Palazzoli provides customers with a range of solutions specifically designed to meet the needs of the most complex fields of application.



## Industry



Page 25

INDUSTRIAL PLANTS  
OUTDOOR AREAS  
SPORTS FACILITIES  
WAREHOUSES  
HANGARS  
SHOPPING CENTRES

## Atex



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ZONE 1  
ZONE 2  
ZONE 21  
ZONE 22





## Infrastructure



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RAIL TUNNELS  
UNDERGROUNDS  
MOUNTAIN TUNNELS  
ROAD TUNNELS

## Marine



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CARGO SHIPS  
CRUISE SHIPS  
MILITARY SHIPS  
SUBMARINES









# Industry

Industrial plants, storage warehouses, sports and commercial centres and the food sectors are the fields of application for which Palazzoli has designed products with high electrical and mechanical performances, great ease of installation and total absence of maintenance.

Thanks to the products made with many specific technologies and materials, even critical and polluted environments can be electrified.



Sports Centres

Parks

Stadiums



Industrial plants, storage warehouses, sports and commercial centres, and the food industry are a field of application for which Palazzoli has designed connections and enclosures with high performance, energy savings, extreme ease of installation and total absence of maintenance.





Photovoltaic systems

Car-wash facilities

Construction sites



Plugs and sockets

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Interlocked socket-outlets

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Distribution and automation boards

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Boxes

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Terminal blocks and cable glands

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Control devices

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Pre-wired distribution boards

Page 211

# MULTIMAX

electrifies events at the San Siro stadium in Milan



# Plugs and socket-outlets



## STANDARD APPLICATIONS



### MULTIMAX

Quick-mounting mobile plugs and socket-outlets  
Page 36



### MULTIMAX

Quick-mounting mobile plugs and socket-outlets for entertainment  
Page 36



### MULTIPLAY

Multipliers and adaptors for temporary installations  
Page 38



### SPIN

Mobile rubber plugs and sockets for domestic use  
Page 39



### TOPTER

Flush- and wall-mounted fixed socket-outlets  
Page 44



### DOMOTER

Modular devices for domestic use  
Page 50

## HEAVY-DUTY APPLICATIONS



### XCEE

Safety performance mobile plugs and socket-outlets  
Page 60



### CEE

Extra low voltage plugs and socket-outlets  
Page 66



### ALUMAX







Plugs and socket-outlets for high amperages  
Page 70











# PLUGS AND SOCKET-OUTLETS IN TECHNOPOLYMER from 16A to 63A

Standard applications

				MULTIMAX series					
									
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Rated current (A)	Rated voltage (V)	Poles	h ref.	Straight mobile plugs IP44	Straight mobile plugs IP67	Straight mobile socket-outlets IP44	Straight mobile socket-outlets IP67	Straight mobile plugs IP44	Straight mobile socket-outlets IP44
16	110 100-130	2P+≐	4	<b>700124</b>	<b>710124</b>	<b>720124</b>	<b>730124</b>	<b>705124</b>	<b>725124</b>
		3P+≐	4	<b>700134</b>		<b>720134</b>			
		3P+N+≐	4	<b>700144</b>		<b>720144</b>			
	230 200-250	2P+≐	6	<b>700126</b>	<b>710126</b>	<b>720126</b>	<b>730126</b>	<b>705126</b>	<b>725126</b>
		3P+≐	9	<b>700139</b>		<b>720139</b>			
		3P+N+≐	9	<b>700149</b>		<b>720149</b>			
	400 380-415	2P+≐	9	<b>700129</b>		<b>720129</b>			
		3P+≐	6	<b>700136</b>	<b>710136</b>	<b>720136</b>	<b>730136</b>	<b>705136</b>	<b>725136</b>
		3P+N+≐	6	<b>700146</b>	<b>710146</b>	<b>720146</b>	<b>730146</b>	<b>705146</b>	<b>725146</b>
32	110 100-130	2P+≐	4	<b>700224</b>	<b>710224</b>	<b>720224</b>	<b>730224</b>		
		3P+≐	4	<b>700234</b>		<b>720234</b>			
		3P+N+≐	4	<b>700244</b>		<b>720244</b>			
	230 200-250	2P+≐	6	<b>700226</b>	<b>710226</b>	<b>720226</b>	<b>730226</b>	<b>705226</b>	<b>725226</b>
		3P+≐	9	<b>700239</b>		<b>720239</b>			
		3P+N+≐	9	<b>700249</b>		<b>720249</b>			
	400 380-415	2P+≐	9	<b>700229</b>		<b>720229</b>			
		3P+≐	6	<b>700236</b>	<b>710236</b>	<b>720236</b>	<b>730236</b>	<b>705236</b>	<b>725236</b>
		3P+N+≐	6	<b>700246</b>	<b>710246</b>	<b>720246</b>	<b>730246</b>	<b>705246</b>	<b>725246</b>
63	230	2P+≐	6		<b>710326</b>		<b>730326</b>		
		3P+≐	6		<b>710336</b>		<b>730336</b>		
	400 380-415	3P+N+≐	6		<b>710346</b>		<b>730346</b>		





				TOPTER series					
									
				page 44	page 44	page 49	page 49	page 49	page 49
Rated current (A)	Rated voltage (V)	Poles	h ref.	Angled socket-outlets IP44	Angled socket-outlets IP66/IP67	15° angled wall-mounted socket-outlets IP44	15° angled wall-mounted socket-outlets IP66/IP67	90° angled wall-mounted socket-outlets IP44	90° angled wall-mounted socket-outlets IP67
16	110 100-130	2P+≐	4	<b>488124</b>	<b>489124</b>	<b>438124</b>	<b>439124</b>	<b>508124</b>	<b>509124</b>
		3P+≐	4	<b>488134</b>	<b>489134</b>				
		3P+N+≐	4	<b>488144</b>	<b>489144</b>				
	230 200-250	2P+≐	6	<b>488126</b>	<b>489126</b>	<b>438126</b>	<b>439126</b>	<b>508126</b>	<b>509126</b>
		3P+≐	9	<b>488139</b>	<b>489139</b>				
		3P+N+≐	9	<b>488149</b>	<b>489149</b>				
	400 380-415	2P+≐	9	<b>488129</b>	<b>489129</b>				
		3P+≐	6	<b>488136</b>	<b>489136</b>	<b>438136</b>	<b>439136</b>	<b>508136</b>	<b>509136</b>
		3P+N+≐	6	<b>488146</b>	<b>489146</b>	<b>438146</b>	<b>439146</b>	<b>508146</b>	<b>509146</b>
32	110 100-130	2P+≐	4	<b>488224</b>	<b>489224</b>	<b>438224</b>	<b>439224</b>	<b>508224</b>	<b>509224</b>
		3P+≐	4	<b>488234</b>	<b>489234</b>				
		3P+N+≐	4	<b>488244</b>	<b>489244</b>				
	230 200-250	2P+≐	6	<b>488226</b>	<b>489226</b>	<b>438226</b>	<b>439226</b>	<b>508226</b>	<b>509226</b>
		3P+≐	9	<b>488239</b>	<b>489239</b>				
		3P+N+≐	9	<b>488249</b>	<b>489249</b>				
	400 380-415	2P+≐	9	<b>488229</b>	<b>489229</b>				
		3P+≐	6	<b>488236</b>	<b>489236</b>	<b>438236</b>	<b>439236</b>	<b>508236</b>	<b>509236</b>
		3P+N+≐	6	<b>488246</b>	<b>489246</b>	<b>438246</b>	<b>439246</b>	<b>508246</b>	<b>509246</b>
380/440	3P+≐	3		<b>489233</b>		<b>439233</b>		<b>509233</b>	
63	230	2P+≐	6		<b>489326</b>				<b>509326</b>
		3P+≐	6		<b>489336</b>				<b>509336</b>
	400 380-415	3P+N+≐	6		<b>489346</b>				<b>509346</b>





# EXTRA-LOW VOLTAGE IN TECHNOPOLYMER from 16A to 125A

Heavy-duty applications





				CEE series								
												
				page 66	page 66	page 67	page 68	page 68	page 69	page 69	page 69	page 68
Rated current (A)	Rated voltage (V)	Poles	h ref.	Straight mobile plugs IP44	Straight mobile plugs IP67	90° angled wall-mounted inlets IP44	Straight mobile socket-outlets IP44	Straight mobile socket-outlets IP67	Straight fixed socket-outlets IP44	Angled socket-outlets IP44	Straight fixed socket-outlets IP67	90° angled wall-mounted socket-outlets IP44
16	20-25	2P	-	<b>477002</b>	<b>477003</b>	<b>476002</b>	<b>473002</b>	<b>473003</b>	<b>471032</b>	<b>471062</b>	<b>471003</b>	<b>471002</b>
		3P	-	<b>477062</b>	<b>477063</b>	<b>476012</b>	<b>473062</b>	<b>473063</b>	<b>471042</b>	<b>471072</b>	<b>471063</b>	<b>471012</b>
	40-50	2P	12	<b>477102</b>	<b>477103</b>	<b>476102</b>	<b>473102</b>	<b>473103</b>	<b>471132</b>	<b>471162</b>	<b>471103</b>	<b>471102</b>
		3P	12	<b>477112</b>	<b>477113</b>	<b>476112</b>	<b>473112</b>	<b>473113</b>	<b>471142</b>	<b>471172</b>	<b>471113</b>	<b>471112</b>
	20-25 40-50	2P	4	<b>477012</b>	<b>477013</b>	<b>476042</b>	<b>473012</b>	<b>473013</b>	<b>471051</b>	<b>471111</b>	<b>471013</b>	<b>471011</b>
		3P	4	<b>477122</b>	<b>477123</b>	<b>476142</b>	<b>473122</b>	<b>473123</b>	<b>471022</b>	<b>471122</b>	<b>471123</b>	<b>471151</b>
		2P	10	<b>477602</b>	<b>477603</b>	<b>476602</b>	<b>473602</b>	<b>473603</b>	<b>471632</b>	<b>471662</b>	<b>471603</b>	<b>471602</b>
32	20-25	2P	-	<b>477005</b>	<b>477006</b>	<b>476005</b>	<b>473005</b>	<b>473006</b>	<b>471035</b>	<b>471065</b>	<b>471007</b>	<b>471005</b>
		3P	-	<b>477065</b>	<b>477066</b>	<b>476015</b>	<b>473065</b>	<b>473066</b>	<b>471045</b>	<b>471075</b>	<b>471067</b>	<b>471015</b>
	40-50	2P	12	<b>477105</b>	<b>477106</b>	<b>476105</b>	<b>473105</b>	<b>473106</b>	<b>471135</b>	<b>471165</b>	<b>471107</b>	<b>471105</b>
		3P	12	<b>477115</b>	<b>477116</b>	<b>476115</b>	<b>473115</b>	<b>473116</b>	<b>471145</b>	<b>471175</b>	<b>471117</b>	<b>471115</b>
	20-25 40-50	2P	4	<b>477015</b>	<b>477016</b>	<b>476045</b>	<b>473015</b>	<b>473016</b>	<b>471108</b>	<b>471058</b>	<b>471017</b>	<b>471018</b>
		3P	4	<b>477175</b>	<b>477176</b>	<b>476145</b>	<b>473125</b>	<b>473126</b>	<b>471118</b>	<b>471059</b>	<b>471177</b>	<b>471019</b>
		2P	10	<b>477605</b>	<b>477606</b>	<b>476605</b>	<b>473605</b>	<b>473606</b>	<b>471635</b>	<b>471665</b>	<b>471607</b>	<b>471605</b>

				High currents			
							
				page 67	page 68	page 69	page 69
Rated current (A)	Rated voltage (V)	Poles	h ref.	Straight mobile plugs IP67	Straight mobile socket-outlets IP67	Angled socket-outlets IP67	Straight fixed socket-outlets IP67
63	48	2P	1	<b>477951</b>	<b>473951</b>	<b>473961</b>	<b>473971</b>
		3P	1	<b>477952</b>	<b>473952</b>	<b>473962</b>	<b>473972</b>
125	48	3P	1	<b>477955</b>	<b>473955</b>	<b>473965</b>	<b>473975</b>

				Double-twin cable	
					
				page 67	page 67
Rated current (A)	Rated voltage (V)	Poles	h ref.	Straight mobile plugs IP67	Straight mobile socket-outlets IP67
32	48	2P	12	<b>477107</b>	<b>473107</b>
63	48	2P	1	<b>477901</b>	<b>473901</b>

# ALUMINIUM PLUGS AND SOCKET-OUTLETS from 250A to 400A

Heavy-duty applications

ALUMAX Series						
   						
page 70      page 70      page 70      page 70						
Rated current (A)	Poles	No. of pilot contacts	Straight mobile plugs IP67	Straight mobile socket-outlets IP67	Straight fixed plugs IP67	Straight fixed socket-outlets IP67
250	3P+⊕	2	<b>750530</b>	<b>760530</b>	<b>751530</b>	<b>761530</b>
	3P+N+⊕		<b>750550</b>	<b>760550</b>	<b>751550</b>	<b>761550</b>
320	3P+N+⊕	2	<b>750650</b>	<b>760650</b>	<b>751650</b>	<b>761650</b>
400	3P+N+⊕		<b>750750</b>	<b>760750</b>	<b>751750</b>	<b>761750</b>



# PLUGS AND SOCKET-OUTLETS IN TECHNOPOLYMER from 16A to 125A

Heavy-duty applications



Rated current (A)	Rated voltage (V)	Poles	h ref.	XCEE series					
				Straight mobile plugs IP66/IP67/IP68/IP69	Straight panel-mounted inlets IP66/IP67/IP68/IP69	20° angled panel-mounted inlets IP66/IP67/IP68/IP69	65° angled wall-mounted inlets IP66/IP67/IP68/IP69	Straight mobile socket-outlets IP66/IP67/IP68/IP69	Straight panel-mounted socket-outlets IP66/IP67/IP68/IP69
16	110 100-130	2P+⊕	4	<b>760124</b>	<b>762124</b>	<b>763124</b>	<b>766124</b>	<b>770124</b>	<b>772124</b>
		3P+⊕	4	<b>760134</b>				<b>770134</b>	<b>772134</b>
		3P+N+⊕	4	<b>760144</b>				<b>770144</b>	<b>772144</b>
	230 200-250	2P+⊕	6	<b>760126</b>	<b>762126</b>	<b>763126</b>	<b>766126</b>	<b>770126</b>	<b>772126</b>
		3P+⊕	9	<b>760139</b>				<b>770139</b>	<b>772139</b>
		3P+N+⊕	9	<b>760149</b>				<b>770149</b>	<b>772149</b>
	400 380-415	2P+⊕	9	<b>760129</b>				<b>770129</b>	<b>772129</b>
		3P+⊕	6	<b>760136</b>	<b>762136</b>	<b>763136</b>	<b>766136</b>	<b>770136</b>	<b>772136</b>
		3P+N+⊕	6	<b>760146</b>	<b>762146</b>	<b>763146</b>	<b>766146</b>	<b>770146</b>	<b>772146</b>
	500 480-500	3P+⊕	7	<b>760137</b>				<b>770137</b>	<b>772137</b>
		3P+N+⊕	7	<b>760147</b>				<b>770147</b>	<b>772147</b>
	32	110 100-130	2P+⊕	4	<b>760224</b>	<b>762224</b>	<b>763224</b>	<b>766224</b>	<b>770224</b>
3P+⊕			4	<b>760234</b>				<b>770234</b>	<b>772234</b>
3P+N+⊕			4	<b>760244</b>				<b>770244</b>	<b>772244</b>
230 200-250		2P+⊕	6	<b>760226</b>	<b>762226</b>	<b>763226</b>	<b>766226</b>	<b>770226</b>	<b>772226</b>
		3P+⊕	9	<b>760239</b>				<b>770239</b>	<b>772239</b>
		3P+N+⊕	9	<b>760249</b>				<b>770249</b>	<b>772249</b>
400 380-415		2P+⊕	9	<b>760229</b>				<b>770229</b>	<b>772229</b>
		3P+⊕	6	<b>760236</b>	<b>762236</b>	<b>763236</b>	<b>766236</b>	<b>770236</b>	<b>772236</b>
		3P+N+⊕	6	<b>760246</b>	<b>762246</b>	<b>763246</b>	<b>766246</b>	<b>770246</b>	<b>772246</b>
500 480-500		3P+⊕	7	<b>760237</b>				<b>770237</b>	<b>772237</b>
		3P+N+⊕	7	<b>760247</b>				<b>770247</b>	<b>772247</b>
380-440		3P+⊕	3	<b>760233</b>				<b>770233</b>	<b>772233</b>
63	110 100-130	2P+⊕	4	<b>760324</b>				<b>770324</b>	<b>772324</b>
		3P+⊕	4	<b>760334</b>				<b>770334</b>	<b>772334</b>
		3P+N+⊕	4	<b>760344</b>				<b>770344</b>	<b>772344</b>
	230 200-250	2P+⊕	6	<b>760326</b>				<b>770326</b>	<b>772326</b>
		3P+⊕	9	<b>760339</b>				<b>770339</b>	<b>772339</b>
		3P+N+⊕	9	<b>760349</b>				<b>770349</b>	<b>772349</b>
	400 380-415	2P+⊕	9	<b>760329</b>				<b>770329</b>	<b>772329</b>
		3P+⊕	6	<b>760336</b>	<b>762336</b>	<b>763336</b>	<b>766336</b>	<b>770336</b>	<b>772336</b>
		3P+N+⊕	6	<b>760346</b>	<b>762346</b>	<b>763346</b>	<b>766346</b>	<b>770346</b>	<b>772346</b>
	500 480-500	3P+⊕	7	<b>760337</b>				<b>770337</b>	<b>772337</b>
		3P+N+⊕	7	<b>760347</b>				<b>770347</b>	<b>772347</b>
	125	110 100-130	2P+⊕	4					
3P+⊕			4	<b>760434</b>				<b>770434</b>	<b>772434</b>
3P+N+⊕			4	<b>760444</b>				<b>770444</b>	<b>772444</b>
230 200-250		2P+⊕	6						
		3P+⊕	9	<b>760439</b>				<b>770439</b>	<b>772439</b>
		3P+N+⊕	9	<b>760449</b>				<b>770449</b>	<b>772449</b>
400 380-415		2P+⊕	9						
		3P+⊕	6	<b>760436</b>	<b>762436</b>	<b>763436</b>	<b>766436</b>	<b>770436</b>	<b>772436</b>
		3P+N+⊕	6	<b>760446</b>	<b>762446</b>	<b>763446</b>	<b>766446</b>	<b>770446</b>	<b>772446</b>
500 480-500		3P+⊕	7	<b>760437</b>				<b>770437</b>	<b>772437</b>
		3P+N+⊕	7	<b>760447</b>				<b>770447</b>	<b>772447</b>



# MULTIMAX







# MULTIMAX

Quick-mounting mobile plugs and socket-outlets

## ADVANTAGES



1

A simple click to fix the body to the grip. This internationally patented system makes the connection easier and safer.

The tear-proof cable clamping is achieved with special hooks with a particular reverse grip system which counteracts the tensile force with an equal and opposite reaction.

2



3

The MULTIMAX plug grip integrates an automatic cable gland locking system that protects against accidental disconnections. The cable gland can be easily unlocked by lifting the locking arm.

The black colour series has been specially designed for the entertainment, film and HI-FI industries. Here, too, you will find all the advantages of MULTIMAX.

4





# MULTIMAX

Quick-mounting mobile plugs and socket-outlets



Body material	Technopolymer
Contacts material	Brass
Pin treatment	Nickel plating (IP67)
Colour	RAL 7042 Traffic grey RAL 7021 Black grey
Protection rating	IP44 - IP67
Impact resistance	IK07
Glow Wire Test	850°C
Flammability class	V-2
Ambient operating temperature	-25°C - +50°C
Ambient storage temperature	-30°C - +70°C
Rated current	16A - 32A - 63A
Operating voltage	110V - 400V
Insulation voltage	400V
Operating frequency	50/60Hz
Terminal type	Direct clamping



## DIRECTIVES

2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

IEC/EN 60309-1  
IEC/EN 60309-2  
IEC/EN 63000

## Cable features:

Rated current (A)	Poles	Entry cable diameter (mm)	Entry cable cross-section (mm <sup>2</sup> )
16	2P+ $\oplus$	8 - 13	1 - 6
	3P+ $\oplus$	8.5 - 14	
	3P+N+ $\oplus$	10 - 15.5	
32	2P+ $\oplus$	11 - 17.5	2.5 - 10
	3P+ $\oplus$	12 - 19.5	
	3P+N+ $\oplus$	14 - 21.5	
63	2P+ $\oplus$	16 - 26	4 - 25
	3P+ $\oplus$	18.5 - 29	
	3P+N+ $\oplus$	20 - 31.5	



# MULTIMAX

Quick-mounting mobile plugs and socket-outlets

## ASSEMBLY INSTRUCTIONS



For quick and easy installation, scan the QR code.





# MULTIMAX

## Quick-mounting mobile plugs and socket-outlets



Straight mobile plugs  
quick-mounting  
50/60Hz IP44

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	Yellow	2P+⊕	4	<b>700124</b>	10
	110	Yellow	3P+⊕	4	<b>700134</b>	5
	110	Yellow	3P+N+⊕	4	<b>700144</b>	5
	230	Blue	2P+⊕	6	<b>700126</b>	40
	230	Blue	3P+⊕	9	<b>700139</b>	5
	230	Blue	3P+N+⊕	9	<b>700149</b>	5
	400	Red	2P+⊕	9	<b>700129</b>	5
	400	Red	3P+⊕	6	<b>700136</b>	30
	400	Red	3P+N+⊕	6	<b>700146</b>	20
	32	110	Yellow	2P+⊕	4	<b>700224</b>
110		Yellow	3P+⊕	4	<b>700234</b>	5
110		Yellow	3P+N+⊕	4	<b>700244</b>	5
230		Blue	2P+⊕	6	<b>700226</b>	5
230		Blue	3P+⊕	9	<b>700239</b>	5
230		Blue	3P+N+⊕	9	<b>700249</b>	5
400		Red	2P+⊕	9	<b>700229</b>	5
400		Red	3P+⊕	6	<b>700236</b>	20
400		Red	3P+N+⊕	6	<b>700246</b>	20

Features: all products are packed separately.



Straight mobile socket-outlets  
quick-mounting  
50/60Hz IP44

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	Yellow	2P+⊕	4	<b>720124</b>	5
	110	Yellow	3P+⊕	4	<b>720134</b>	5
	110	Yellow	3P+N+⊕	4	<b>720144</b>	5
	230	Blue	2P+⊕	6	<b>720126</b>	30
	230	Blue	3P+⊕	9	<b>720139</b>	5
	230	Blue	3P+N+⊕	9	<b>720149</b>	5
	400	Red	2P+⊕	9	<b>720129</b>	5
	400	Red	3P+⊕	6	<b>720136</b>	20
	400	Red	3P+N+⊕	6	<b>720146</b>	20
	32	110	Yellow	2P+⊕	4	<b>720224</b>
110		Yellow	3P+⊕	4	<b>720234</b>	5
110		Yellow	3P+N+⊕	4	<b>720244</b>	5
230		Blue	2P+⊕	6	<b>720226</b>	5
230		Blue	3P+⊕	9	<b>720239</b>	5
230		Blue	3P+N+⊕	9	<b>720249</b>	5
400		Red	2P+⊕	9	<b>720229</b>	5
400		Red	3P+⊕	6	<b>720236</b>	15
400		Red	3P+N+⊕	6	<b>720246</b>	15

Features: all products are packed separately.

# MULTIMAX

## Mobile plugs and socket-outlets for entertainment



Straight mobile plugs  
quick-mounting  
black colour  
50/60Hz IP44

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	Yellow	2P+⊕	4	<b>705124</b>	10
	230	Blue	2P+⊕	6	<b>705126</b>	10
	400	Red	3P+⊕	6	<b>705136</b>	10
	400	Red	3P+N+⊕	6	<b>705146</b>	10
32	230	Blue	2P+⊕	6	<b>705226</b>	5
	400	Red	3P+⊕	6	<b>705236</b>	5
	400	Red	3P+N+⊕	6	<b>705246</b>	5

Features: all products are packed separately.



Straight mobile socket-outlets  
quick-mounting  
black colour  
50/60Hz IP44

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	Yellow	2P+⊕	4	<b>725124</b>	10
	230	Blue	2P+⊕	6	<b>725126</b>	10
	400	Red	3P+⊕	6	<b>725136</b>	10
	400	Red	3P+N+⊕	6	<b>725146</b>	10
32	230	Blue	2P+⊕	6	<b>725226</b>	5
	400	Red	3P+⊕	6	<b>725236</b>	5
	400	Red	3P+N+⊕	6	<b>725246</b>	5

Features: all products are packed separately.





# MULTIMAX

Quick-mounting mobile plugs and socket-outlets



Straight mobile plugs  
quick-mounting  
50/60Hz IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	Yellow	2P+⊕	4	<b>710124</b>	10
	230	Blue	2P+⊕	6	<b>710126</b>	30
	400	Red	3P+⊕	6	<b>710136</b>	20
	400	Red	3P+N+⊕	6	<b>710146</b>	15
32	110	Yellow	2P+⊕	4	<b>710224</b>	6
	230	Blue	2P+⊕	6	<b>710226</b>	6
	400	Red	3P+⊕	6	<b>710236</b>	15
	400	Red	3P+N+⊕	6	<b>710246</b>	10

Features: all products are packed separately.



Straight mobile plugs  
quick-mounting  
50/60Hz IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63	230	Blue	2P+⊕	6	<b>710326</b>	2
	400	Red	3P+⊕	6	<b>710336</b>	5
	400	Red	3P+N+⊕	6	<b>710346</b>	5

Features: all products are packed separately.



Straight mobile plugs  
quick-mounting  
with phase inverter  
50/60Hz IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	400	Red	3P+⊕	6	<b>710156</b>	1
	400	Red	3P+N+⊕	6	<b>710166</b>	1
32	400	Red	3P+⊕	6	<b>710256</b>	1
	400	Red	3P+N+⊕	6	<b>710266</b>	1

Features: all products are packed separately.



Straight mobile socket-outlets  
quick-mounting  
50/60Hz IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	Yellow	2P+⊕	4	<b>730124</b>	10
	230	Blue	2P+⊕	6	<b>730126</b>	20
	400	Red	3P+⊕	6	<b>730136</b>	15
	400	Red	3P+N+⊕	6	<b>730146</b>	15
32	110	Yellow	2P+⊕	4	<b>730224</b>	6
	230	Blue	2P+⊕	6	<b>730226</b>	6
	400	Red	3P+⊕	6	<b>730236</b>	10
	400	Red	3P+N+⊕	6	<b>730246</b>	10

Features: all products are packed separately.



Straight mobile socket-outlets  
quick-mounting  
50/60Hz IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63	230	Blue	2P+⊕	6	<b>730326</b>	2
	400	Red	3P+⊕	6	<b>730336</b>	5
	400	Red	3P+N+⊕	6	<b>730346</b>	5

Features: all products are packed separately.



# MULTIPLAY

Multipliers and adaptors for temporary installations

Body material	Thermoplastic
Contacts material	Brass
Pin treatment	Nickel plating
Colour	RAL 7042 Traffic grey
Protection rating	IP67 (multipliers) IP20 (adaptors)
Impact resistance	IK07
Resistance to abnormal heat and fire	850°C
Flammability class	V-2
Ambient operating temperature	-25°C - +50°C
Ambient storage temperature	-30°C - +70°C
Rated current	16A - 32A
Operating voltage	230V - 400V
Insulation voltage	400V
Operating frequency	50/60Hz



## DIRECTIVES

2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

IEC/EN 60309-1  
IEC/EN 60309-2  
IEC/EN 63000  
EN 50250  
IEC 23-50



2-outlet mobile multipliers with 16A industrial plug 50/60Hz IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	230	■	2P+≍	6	<b>752126</b>	1
	400	■	3P+≍	6	<b>752136</b>	1
	400	■	3P+N+≍	6	<b>752146</b>	1



3-outlet mobile multipliers with 16A/32A industrial plug 50/60Hz IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	230	■	2P+≍	6	<b>753126</b>	1
	400	■	3P+≍	6	<b>753136</b>	1
	400	■	3P+N+≍	6	<b>753146</b>	1
32	400	■	3P+≍	6	<b>753236</b>	1



System adaptors with 16A industrial plug and domestic sockets 50/60Hz IP20

Rated current (A)	Rated voltage (V)	Poles	h ref.	Domestic socket side	Palazzoli code	Pack Qty
16	230	2P+≍	6	2 sockets 2P+≍ 10/16A bivalent P17/11	<b>740002</b>	10
16	230	2P+≍	6	1 socket 2P+≍ 10/16A bivalent P17/11 + Schuko P30	<b>740001</b>	10
13	250	2P+≍	6	standard BS1363-1995	<b>740003</b>	10



System adaptors with S17 domestic plug and 16A industrial socket-outlet 50/60Hz IP20

Rated current (A)	Rated voltage (V)	Poles	h ref.	Domestic plug side	Palazzoli code	Pack Qty
16	230	2P+≍	6	2P+≍ 16A S17	<b>740101</b>	10



# SPIN

Mobile rubber plugs and sockets for domestic installations

Body material	Shockproof rubber Technopolymer
Contacts material	Brass
Pin treatment	Nickel plating
Colour	RAL 5015 Sky blue
Protection rating	IP44 - IP20
Impact resistance	IK10 (rubber)
Resistance to abnormal heat and fire	850°C (insert)
Flammability class	V-0 (insert)
Ambient operating temperature	-25°C - +50°C
Ambient storage temperature	-30°C - +70°C
Rated current	16A
Operating voltage	250V
Operating frequency	50/60Hz
Terminal type	Screw type, direct clamping



## DIRECTIVES

2001/95/CE  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

IEC 23-50  
IEC 60884-1  
IEC/EN 63000



Straight mobile domestic plug  
in shockproof rubber  
IP44

Rated current (A)	Rated voltage (V)	Poles	Type	Palazzoli code	Pack Qty
16	250	2P+⊕	S30	<b>437012</b>	10

**Features:** cable entry hole Ø 11.5 mm. IP44 with plug inserted.



90° angled mobile domestic plug  
in shockproof rubber  
IP44

Rated current (A)	Rated voltage (V)	Poles	Type	Palazzoli code	Pack Qty
16	250	2P+⊕	S30	<b>437022</b>	10

**Features:** cable entry hole Ø 11.5 mm. IP44 with plug inserted.



Straight mobile domestic socket  
in shockproof rubber  
for the German market  
IP44

Rated current (A)	Rated voltage (V)	Poles	Type	Palazzoli code	Pack Qty
16	250	2P+⊕	P30	<b>433052</b>	10

**Features:** cable entry hole Ø 11.5 mm. IP44 with plug inserted.  
Only suitable for markets with German standard.



Straight mobile domestic plug  
in technopolymer  
IP20

Rated current (A)	Rated voltage (V)	Poles	Type	Palazzoli code	Pack Qty
16	250	2P+⊕	S30	<b>437152</b>	10

**Features:** cable entry hole Ø 11.5 mm. IP44 with sleeve code 590021.

**Technical accessories:**



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# TOPTER







## TOPTER

Flush- and wall-mounted fixed socket-outlets

### ADVANTAGES



The flange is reinforced with ribs on the back. This enables the product to be more resistant to mechanical stress and allows for increased gasket adherence.

The IP rating is guaranteed over time.

For industrial automation applications, or in any situation where additional electrical protection is required, the sockets can be equipped with an auxiliary signalling contact, activated by plug insertion and removal.



The TOPTER system offers the possibility to complete the system with a series of DOMOTER domestic sockets that can be installed with watertight covers, even when the plug is connected.

The broad range of boxes and boards available provides the ideal solution for any installation need.





## TOPTER

Flush- and wall-mounted fixed socket-outlets



Body material	Technopolymer
Contacts material	Brass
Colour	RAL 7035 Light grey
Protection rating	IP44 - IP66/IP67
Impact resistance	IK08
Resistance to abnormal heat and fire	850°C (insert) 650°C (enclosure)
Flammability class	V-2 (insert) HB (enclosure)
Ambient operating temperature	-25°C - +50°C
Ambient storage temperature	-30°C - +70°C
Rated current	16A - 32A - 63A
Operating voltage	110V - 440V
Insulation voltage	690V
Operating frequency	50/60Hz
Terminal type	Indirect clamping



### DIRECTIVES

2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

### PRODUCT STANDARDS

IEC/EN 60309-1  
IEC/EN 60309-2  
IEC/EN 63000

### Cable features:

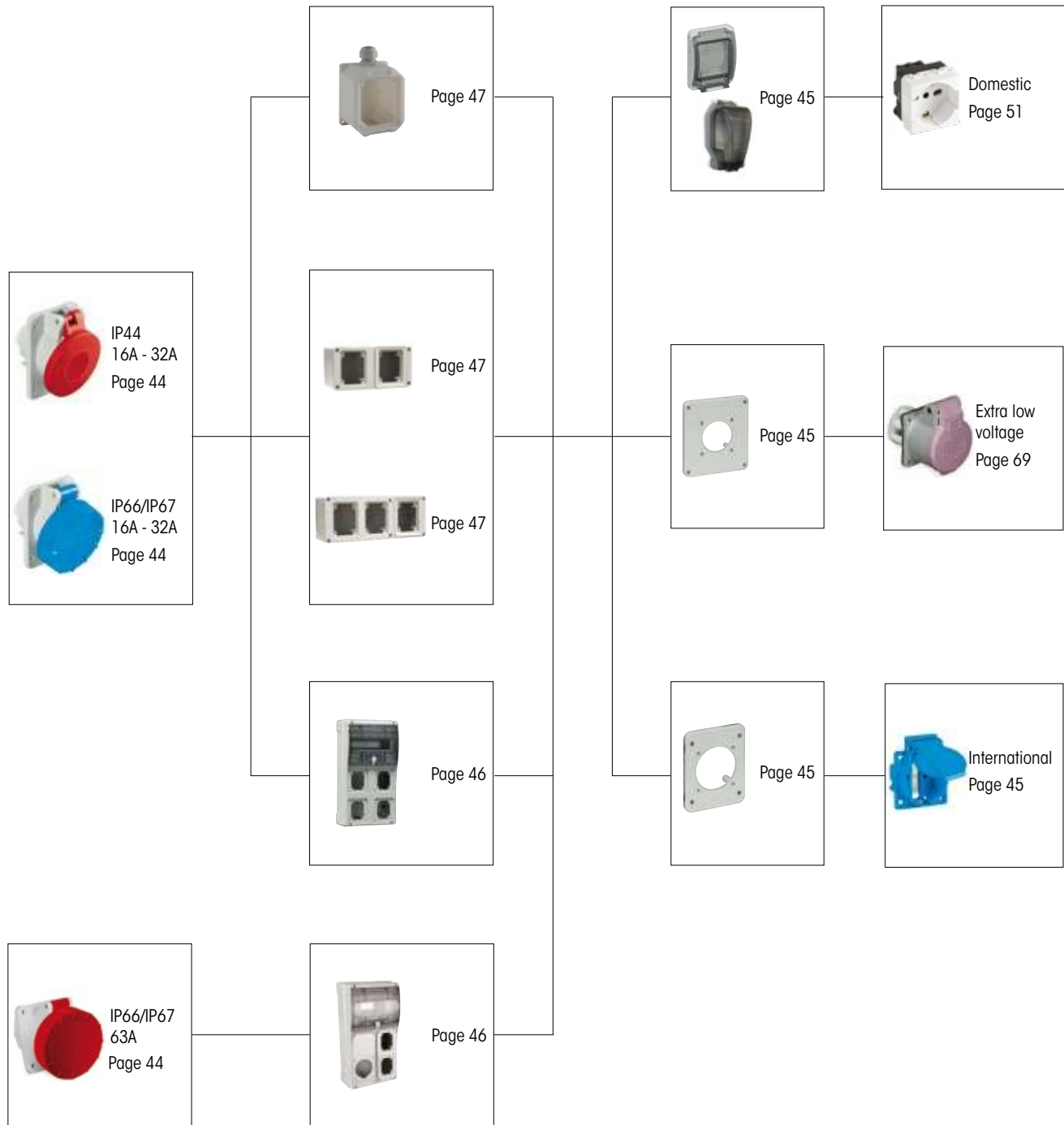
Rated current (A)	Poles	Wall-mounted socket-outlets entry threading	Wall-mounted socket-outlets entry cable diameter (mm)	Entry cable cross-section (mm <sup>2</sup> )
16	2P+⊕	M25	14-18	1 - 2.5
	3P+⊕			
	3P+N+⊕			
32	2P+⊕	M25	14-18	2.5 - 6
	3P+⊕			
	3P+N+⊕			
63	2P+⊕	M40	24-28	4 - 25
	3P+⊕			
	3P+N+⊕			



# TOPTER

Flush- and wall-mounted fixed socket-outlets

## MODULARITY



### EASY COMPOSER

Software for the design and cost estimate of distribution boards.

- ✓ Select the distribution board
- ✓ Compose your distribution board
- ✓ Calculate the cost estimate
- ✓ Download the certificates





# TOPTER

Flush- and wall-mounted fixed socket-outlets

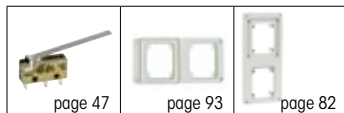


15° angled  
flush-mounted socket-outlets  
50/60Hz IP44

Rated current (A)	Rated voltage (V)	Flange dimensions (mm)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	65 x 83	Yellow	2P+⊕	4	<b>488124</b>	1
	110	65 x 83	Yellow	3P+⊕	4	<b>488134</b>	1
	110	88 x 100	Yellow	3P+N+⊕	4	<b>488144</b>	1
	230	65 x 83	Blue	2P+⊕	6	<b>488126</b>	10
	230	65 x 83	Blue	3P+⊕	9	<b>488139</b>	1
	230	88 x 100	Blue	3P+N+⊕	9	<b>488149</b>	1
	400	65 x 83	Red	2P+⊕	9	<b>488129</b>	1
	400	65 x 83	Red	3P+⊕	6	<b>488136</b>	10
	400	88 x 100	Red	3P+N+⊕	6	<b>488146</b>	10
	32	110	88 x 100	Yellow	2P+⊕	4	<b>488224</b>
110		88 x 100	Yellow	3P+⊕	4	<b>488234</b>	1
110		88 x 100	Yellow	3P+N+⊕	4	<b>488244</b>	1
230		88 x 100	Blue	2P+⊕	6	<b>488226</b>	5
230		88 x 100	Blue	3P+⊕	9	<b>488239</b>	1
230		88 x 100	Blue	3P+N+⊕	9	<b>488249</b>	1
400		88 x 100	Red	2P+⊕	9	<b>488229</b>	1
400		88 x 100	Red	3P+⊕	6	<b>488236</b>	5
400		88 x 100	Red	3P+N+⊕	6	<b>488246</b>	5

**Features:** 1 auxiliary contact for plug inserted signal can be fitted; flanges reinforced with ribs.

**Technical accessories:**

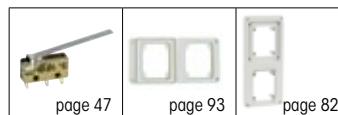


15° angled  
flush-mounted socket-outlets  
50/60Hz IP66/IP67

Rated current (A)	Rated voltage (V)	Flange dimensions (mm)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	65 x 83	Yellow	2P+⊕	4	<b>489124</b>	1
	110	65 x 83	Yellow	3P+⊕	4	<b>489134</b>	1
	110	88 x 100	Yellow	3P+N+⊕	4	<b>489144</b>	1
	230	65 x 83	Blue	2P+⊕	6	<b>489126</b>	10
	230	65 x 83	Blue	3P+⊕	9	<b>489139</b>	1
	230	88 x 100	Blue	3P+N+⊕	9	<b>489149</b>	1
	400	65 x 83	Red	2P+⊕	9	<b>489129</b>	1
	400	65 x 83	Red	3P+⊕	6	<b>489136</b>	10
	400	88 x 100	Red	3P+N+⊕	6	<b>489146</b>	10
	32	110	88 x 100	Yellow	2P+⊕	4	<b>489224</b>
110		88 x 100	Yellow	3P+⊕	4	<b>489234</b>	1
110		88 x 100	Yellow	3P+N+⊕	4	<b>489244</b>	1
230		88 x 100	Blue	2P+⊕	6	<b>489226</b>	5
230		88 x 100	Blue	3P+⊕	9	<b>489239</b>	1
230		88 x 100	Blue	3P+N+⊕	9	<b>489249</b>	1
400		88 x 100	Red	2P+⊕	9	<b>489229</b>	1
400		88 x 100	Red	3P+⊕	6	<b>489236</b>	5
400		88 x 100	Red	3P+N+⊕	6	<b>489246</b>	5
380/440		88 x 100	Red	3P+⊕	3	<b>489233</b>	1

**Features:** 1 auxiliary contact for plug inserted signal can be fitted; flanges reinforced with ribs.

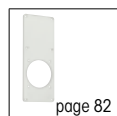
**Technical accessories:**



15° angled  
flush-mounted socket-outlets  
50/60Hz IP66/IP67

Rated current (A)	Rated voltage (V)	Flange dimensions (mm)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63	230	100x100	Blue	2P+⊕	6	<b>489326</b>	2
	400	100x100	Red	3P+⊕	6	<b>489336</b>	2
	400	100x100	Red	3P+N+⊕	6	<b>489346</b>	2

**Technical accessories:**







# TOPTER

Flush- and wall-mounted fixed socket-outlets



Flange for mounting a fixed flush-mounted socket-outlet on a distribution board, extra low voltage IP66/IP67

Flange dimensions (mm)	Mountable sockets	Fixing holes spacing (mm)	Palazzoli code	Pack Qty
88x100	Extra low voltage CEE	41x41	<b>579849</b>	1

**Equipment included:** bag with 4 stainless steel screws for fixing the socket.

**Technical accessories:**



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Flange for mounting one 50x50 mm international domestic socket in a distribution board IP54

Flange dimensions (mm)	Mountable sockets	Fixing holes spacing (mm)	Palazzoli code	Pack Qty
65x83	panel-mounted with flange 50x50	38x38	<b>579848</b>	1

**Equipment included:** bag with 4 stainless steel screws for fixing the socket.



Flush-mounted international domestic sockets, dimensions 50x50 IP54

Rated current (A)	Rated voltage (V)	Standard	Flange dimensions (mm)	Nation	Palazzoli code	Pack Qty
16	250	DIN49440	50x50	Germany	<b>579845</b>	10
16	250	DIN49440	50x50	Ita/Pol/Hun	<b>579830</b>	10
13	250	BS1363	50x50	United Kingdom	<b>579831</b>	10
16	250	CEE 7/V	50x50	BE/FR/CZ	<b>579832</b>	10

**Features:** code 579830 with protected receptacles.

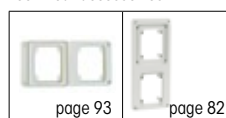


Schuko bivalent domestic socket P17/P30 with cap for distribution boards IP66

Description	Flange dimensions (mm)	Pitch	Type	Palazzoli code	Pack Qty
flange with domestic socket 2P+ $\frac{N}{E}$ 10/16A 230V	65 x 83	19	P17/P30	<b>579840</b>	5

**Notes:** code 579840 is obtained from code 579847 + code 630052.

**Technical accessories:**



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Universal cap for mounting domoTER domestic sockets in a distribution board IP66

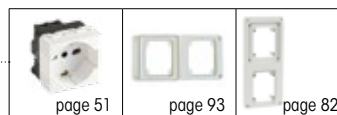
Flange dimensions (mm)	No. of installable modules	Palazzoli code	Pack Qty
65 x 83	2	<b>579847</b>	10



Watertight cap for plugged-in plug for mounting domoTER domestic sockets in a distribution board IP66

Flange dimensions (mm)	No. of installable modules	Palazzoli code	Pack Qty
65 x 83	2	<b>579860</b>	1

**Technical accessories:**



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Recommended use of cap 579860 with topTER distribution boards





# TOPTER

Flush- and wall-mounted fixed socket-outlets



Distribution boards with transparent window for the installation of topTER devices IP66

	Shape	Installable sockets	Max. no. with flange 65x83	Max. no. with flange 88x100	Power dissipation (W)	Palazzoli code	Pack Qty
5 modules		2	2	2	22	<b>579822</b>	1
5 modules		3	3	1	22	<b>579823</b>	1
10 modules		4	4	4*	40	<b>579824</b>	1
16 modules		6	6	6*	56	<b>579826</b>	1
22 modules		8	8	8*	70	<b>579828</b>	1

**Equipment included:** DIN rail kit with adjustable supports. Cable clips. Screw cover caps for double insulation. Module cover layouts. Stainless steel screws for mounting the sockets. Finishing frames for compact socket-outlets. Hinge kit for door opening.  
 1 closing flange, code 579824  
 2 closing flanges, code 579826  
 2 closing flanges, code 579828  
**Features:** padlockable modular door. Suitable for horizontal and vertical assembly. Suitable for temporary mounting.  
**\*Notes:** 16A 3P+N+⊕ to 32A 3P+N+⊕ socket-outlets can be mounted only in the lower compartment of the distribution board.

**Technical accessories:**



Distribution boards with transparent window for the installation of topTER devices and one 63A socket-outlet IP66

	Shape	Installable sockets	Max. no. with flange 65x83	Max. no. with flange 88x100	Max. no. with flange 100x100	Power dissipation (W)	Palazzoli code	Pack Qty
10 modules		3	2	1	1	40	<b>579863</b>	1
16 modules		5	4	2	1	56	<b>579865</b>	1

**Equipment included:** DIN rail kit with adjustable supports, cable holders, screw cover caps for double insulation, module covers, hinge kit for door opening. Stainless steel screws for mounting the sockets. Finishing frames for compact socket-outlets. No. 1 closing flange, code 579865  
**Characteristics:** padlockable modular door. Suitable for horizontal and vertical assembly. Suitable to temporary mounting.  
**Notes:** 16A 3P+N+⊕ to 32A 3P+N+⊕ sockets can be mounted only in the lower compartment of the distribution board.

**Technical accessories:**



DIN rail kit for topTER distribution boards

No. of DIN modules	For distribution boards code	Palazzoli code	Pack Qty
10	579742 - 579824	<b>579852</b>	1
16	579743 - 579826	<b>579853</b>	1
22	579744 - 579828	<b>579854</b>	1

**Equipment included:** adjustable supports, 2 cable holders and fixing screws.  
**Features:** allows DIN modules to be mounted behind the socket holding compartments.



# TOPTER

## Flush- and wall-mounted fixed socket-outlets



Back boxes for wall-mounting of topTER devices IP66/IP67

Entry type	Dimensions (mm)	For flange with dimensions	Palazzoli code	Pack Qty
M25	84 x 100	65 x 83	<b>579750</b>	1
M25	106 x 128	88 x 100	<b>579751</b>	1

**Equipment included:** cable gland. Stainless steel screws for mounting the sockets. Finishing frames for compact socket-outlets.



Closing flange for topTER distribution boards IP66/IP67

Flange dimensions (mm)	Palazzoli code	Pack Qty
65x83	<b>579843</b>	1
88x100	<b>579842</b>	1

**Uses:** allows closing off the seats of unused sockets.



Back boxes for wall mounting of 2 topTER devices IP55

Dimensions (mm)	Total installable devices	Max. No. with 65x83 flange	Max. No. with 88x100 flange	Palazzoli code	Pack Qty
103x206	2	2	1	<b>579702</b>	1

**Equipment included:** stainless steel screws for mounting the sockets. Finishing frames for compact socket-outlets.



Equipotential bars for earth connection

No. of holes	Connection Type	Palazzoli code	Pack Qty
4	M5 screws for wire ends up to 25mm <sup>2</sup>	<b>579013</b>	1
10		<b>579014</b>	1

**Equipment included:** connection screws and fixing brackets.



Back boxes for wall mounting of 3 topTER devices IP55

Dimensions (mm)	Total installable devices	Max. No. with 65x83 flange	Max. No. with 88x100 flange	Palazzoli code	Pack Qty
116x291	3	3	1	<b>579703</b>	1

**Equipment included:** stainless steel screws for mounting the sockets. Finishing frames for compact socket-outlets.

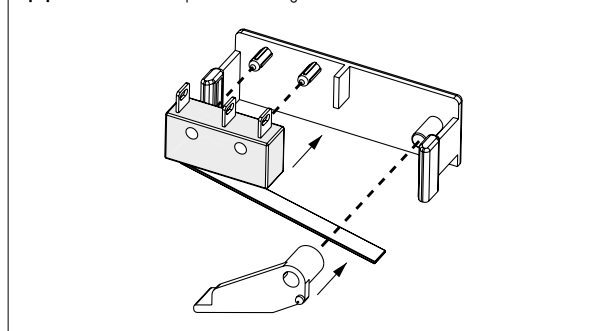
**Technical accessories:**



NO+NC auxiliary contact for plug inserted signalling

For sockets	Palazzoli code	Pack Qty
topTER fixed and interlocked socket-outlets	<b>579850</b>	1

**Equipment included:** adaptor for mounting on fixed sockets.





# TOPTER

Flush- and wall-mounted fixed socket-outlets



Module covers

No. of DIN modules	For distribution boards	Palazzoli code	Pack Qty
2	all topTER, PRIMA, ULYSSE, TAIS and TAIS Cube distribution boards	<b>579904</b>	20

**Uses:** allows unused modules, to be covered to achieve the IP40 protection rating.



Pair of stainless steel plates for wall mounting of topTER and PRIMA distribution boards

For distribution boards	Palazzoli code	Pack Qty
all topTER and PRIMA distribution boards	<b>579012</b>	10



Coupling fitting with Pg threading for topTER distribution boards IP66

Pg	Mounting hole (mm)	For cable Ø (mm)	Palazzoli code	Pack Qty
21	29	21	<b>580250</b>	1



Universal support for topTER, PRIMA and Energy Go distribution boards

For distribution boards	Palazzoli code	Pack Qty
width 239 mm and above	<b>570010</b>	1



Transportation handles

For distribution boards	Palazzoli code	Pack Qty
all distribution boards	<b>579011</b>	1

## COMPACT PANEL-MOUNTED SOCKETS



15° angled flush-mounted socket-outlets with mini flange 50/60Hz IP44

Rated current (A)	Rated voltage (V)	Flange dimensions (mm)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	60 x 60	●	2P+⊕	4	<b>488114</b>	10
	230	60 x 60	●	2P+⊕	6	<b>488116</b>	10





# TOPTER

Flush- and wall-mounted fixed socket-outlets



15° angled  
wall-mounted fixed socket-outlets  
50/60Hz IP44

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 M25 entry	110	●	2P+⊕	4	<b>438124</b>	1
	230	●	2P+⊕	6	<b>438126</b>	1
	400	●	3P+⊕	6	<b>438136</b>	1
	400	●	3P+N+⊕	6	<b>438146</b>	1
32 M25 entry	110	●	2P+⊕	4	<b>438224</b>	1
	230	●	2P+⊕	6	<b>438226</b>	1
	400	●	3P+⊕	6	<b>438236</b>	1
	400	●	3P+N+⊕	6	<b>438246</b>	1

Equipment included: stepped gland.



90° angled  
wall-mounted socket-outlets  
50/60Hz IP44

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 M25 entry	110	●	2P+⊕	4	<b>508124</b>	1
	230	●	2P+⊕	6	<b>508126</b>	1
	400	●	3P+⊕	6	<b>508136</b>	1
	400	●	3P+N+⊕	6	<b>508146</b>	1
32 M25 entry	110	●	2P+⊕	4	<b>508224</b>	1
	230	●	2P+⊕	6	<b>508226</b>	1
	400	●	3P+⊕	6	<b>508236</b>	1
	400	●	3P+N+⊕	6	<b>508246</b>	1

Equipment included: stepped gland.  
Features: codes 508124 and 508126 with M20 entry.

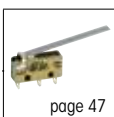


15° angled  
wall-mounted fixed socket-outlets  
50/60Hz IP66/IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 M25 entry	110	●	2P+⊕	4	<b>439124</b>	1
	230	●	2P+⊕	6	<b>439126</b>	1
	400	●	3P+⊕	6	<b>439136</b>	1
	400	●	3P+N+⊕	6	<b>439146</b>	1
32 M25 entry	110	●	2P+⊕	4	<b>439224</b>	1
	230	●	2P+⊕	6	<b>439226</b>	1
	400	●	3P+⊕	6	<b>439236</b>	1
	400	●	3P+N+⊕	6	<b>439246</b>	1
	380/440	●	3P+⊕	3	<b>439233</b>	1

Equipment included: cable gland.

Technical accessories:



90° angled  
wall-mounted socket-outlets  
50/60Hz IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 M25 entry	110	●	2P+⊕	4	<b>509124</b>	1
	230	●	2P+⊕	6	<b>509126</b>	1
	400	●	3P+⊕	6	<b>509136</b>	1
	400	●	3P+N+⊕	6	<b>509146</b>	1
32 M25 entry	110	●	2P+⊕	4	<b>509224</b>	1
	230	●	2P+⊕	6	<b>509226</b>	1
	400	●	3P+⊕	6	<b>509236</b>	1
	400	●	3P+N+⊕	6	<b>509246</b>	1
	380/440	●	3P+⊕	3	<b>509233</b>	1
63 M40 entry	230	●	2P+⊕	6	<b>509326</b>	1
	400	●	3P+⊕	6	<b>509336</b>	1
	400	●	3P+N+⊕	6	<b>509346</b>	1

Equipment included: cable gland.  
Features: 63A socket-outlets are equipped with a double additional entry from the bottom, type M32.



# DOMOTER

Modular devices for domestic use

Body material	Thermoplastic
Colour	RAL 7035 Light grey
Protection rating	IP40 - IP55 (boxes) IP66 with plug plugged-in (caps)
Glow Wire Test	850°C (insert) 650°C (enclosure)
Insulation class	II
Ambient operating temperature	-15°C - +50°C
Ambient storage temperature	-30°C - +70°C
Rated current	10A - 13A - 15A - 16A
Operating voltage	250V
Operating frequency	50/60Hz
Terminal type	Screw type, indirect clamping
Cross-section of conductors	From 1x1 mm <sup>2</sup> to 2x2.5 mm <sup>2</sup>



Wall-mounted boxes for domoTER devices IP40

Dimensions (mm)	No. of installable modules	Palazzoli code	Pack Qty
76x82x58	1	<b>630001</b>	36
98x82x58	2	<b>630002</b>	36
120x82x58	3	<b>630003</b>	24



Wall-mounted boxes for domoTER devices IP55

Dimensions (mm)	No. of installable modules	Palazzoli code	Pack Qty
76x82x58	1	<b>630011</b>	30
98x82x58	2	<b>630012</b>	30
120x82x58	3	<b>630013</b>	24

**Technical accessories:**



Universal cap for mounting domoTER domestic sockets IP66

Flange dimensions (mm)	No. of installable modules	Palazzoli code	Pack Qty
65 x 83	2	<b>579847</b>	10



Watertight cap for plugged-in plug for mounting domoTER domestic sockets IP66

Flange dimensions (mm)	No. of installable modules	Palazzoli code	Pack Qty
65 x 83	2	<b>579860</b>	1

**Technical accessories:**



**DIRECTIVES**

2001/95/EU (GPSD)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

**PRODUCT STANDARDS**

IEC 23-50  
IEC 60884-1  
IEC/EN 60669-1  
IEC/EN 63000  
BS 1363-2  
NFC 61-314  
NEMA 5-15 R



# DOMOTER

Modular devices for domestic use



Support for installing  
domoTER devices on DIN rail

Width (mm)	No. of installable modules	Colour	Palazzoli code	Pack Qty
27 (1.5 DIN modules)	1	RAL 7035 Light grey	<b>630021</b>	20
52 (3 DIN modules)	2		<b>630022</b>	8



Domestic socket  
UK standard

Rated current (A)	Rated voltage (V)	No. of poles	No. of modules	Palazzoli code	Pack Qty
13	250	2P+⊕	2	<b>630056</b>	8



Domestic socket  
Italian standard bivalent P11/P17

Rated current (A)	Rated voltage (V)	No. of poles	Type	No. of modules	Palazzoli code	Pack Qty
10/16	250	2P+⊕	P11/P17	1	<b>630050</b>	16

Features: shuttered receptacles.



Domestic socket  
French standard

Rated current (A)	Rated voltage (V)	No. of poles	No. of modules	Palazzoli code	Pack Qty
16	250	2P+⊕	2	<b>630055</b>	8



Schuko P40 bivalent domestic socket  
Italian/German standard

Rated current (A)	Rated voltage (V)	No. of poles	Type	No. of modules	Palazzoli code	Pack Qty
10/16	250	2P+⊕	P40	2	<b>630052</b>	8

Features: shuttered receptacles.



Domestic socket  
USA American standard

Rated current (A)	Rated voltage (V)	No. of poles	No. of modules	Palazzoli code	Pack Qty
15	127	2P+⊕	1	<b>630058</b>	16



Schuko domestic socket  
Italian/German standard  
P30

Rated current (A)	Rated voltage (V)	No. of poles	Type	No. of modules	Palazzoli code	Pack Qty
16	250	2P+⊕	P30	2	<b>630051</b>	8

Features: shuttered receptacles.



# DOMOTER

Modular devices for domestic use



Red Schuko domestic socket  
Italian/German standard  
P30

Rated current (A)	Rated voltage (V)	No. of poles	Type	No. of modules	Palazzoli code	Pack Qty
16	250	2P+⊕	P30	2	<b>630053</b>	8

Features: shuttered receptacles.



Red Schuko P17/P30  
bivalent domestic socket  
Italian/German standard

Rated current (A)	Rated voltage (V)	No. of poles	Type	No. of modules	Palazzoli code	Pack Qty
10/16	250	2P+⊕	P17/P30	2	<b>630054</b>	8

Features: shuttered receptacles.



Multifunction device, 1P or 2P switch,  
1P two-way switch, NO/NC button  
16A 250V

Function (mm)	No. of modules	Palazzoli code	Pack Qty
1P or 2P switch, NO 1P button or 2P two-way switch 1P, NC 1P button	1	<b>630030</b>	16

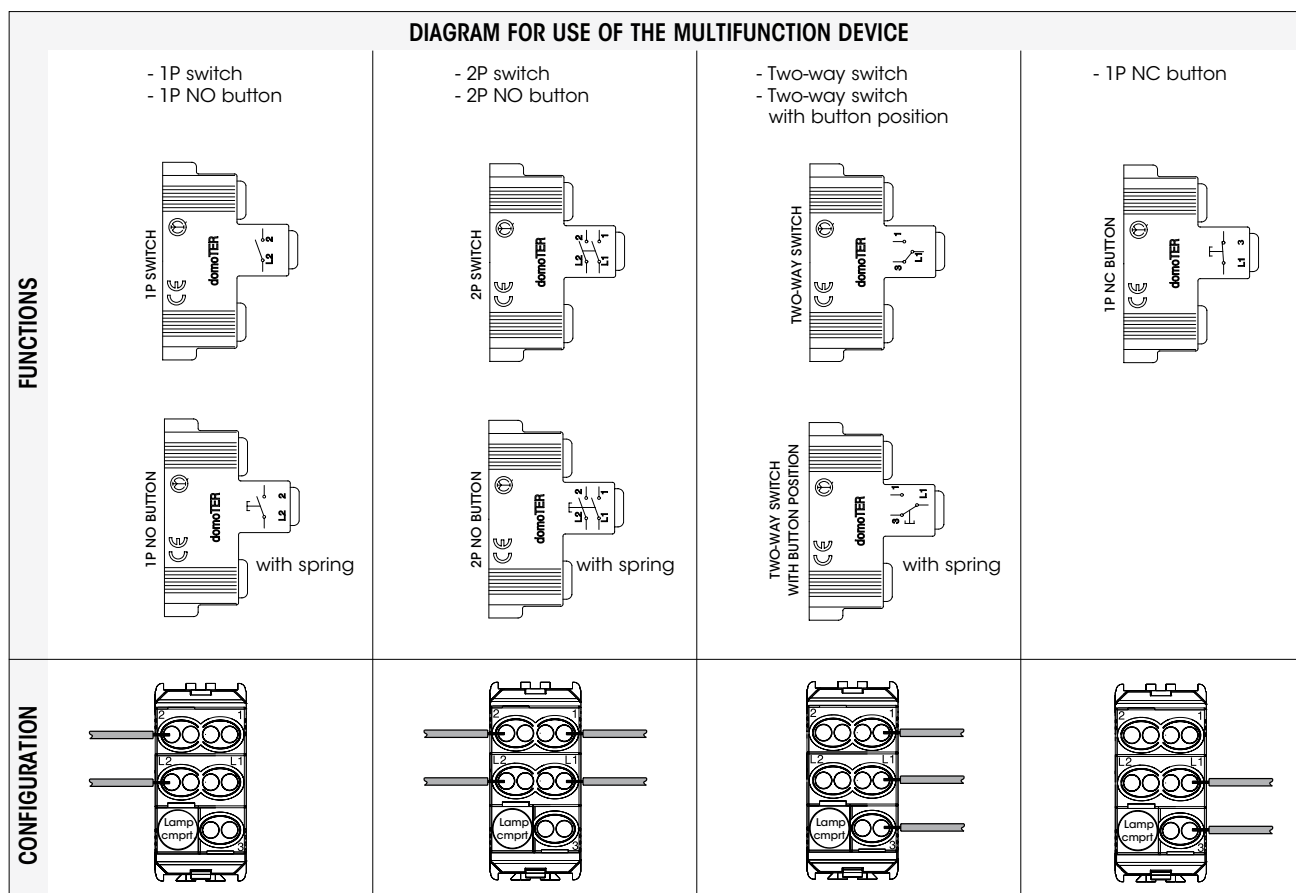
Complementary products: warning lamp code 630091.  
Features: the code 630030 is made in the "NO button" configuration.

To obtain the switch and two-way switch configuration, remove the spring located underneath the key with a screwdriver and perform the wiring according to the schemes here below.



Line reversing switch  
16A 250V

No. of poles	No. of modules	Palazzoli code	Pack Qty
1	1	<b>630031</b>	16







## DOMOTER

Modular devices for domestic use



TV sockets

Standard	No. of modules	Palazzoli code	Pack Qty
TV 9.5 mm final	1	<b>630070</b>	16
TV 9.5 mm through/final	1	<b>630071</b>	16



Rj data sockets

Description	No. of modules	Palazzoli code	Pack Qty
RJ12 6/6 contacts	1	<b>630080</b>	20
RJ45 category 5E	1	<b>630081</b>	20
RJ45 category 6	1	<b>630082</b>	20



USB socket

Description	No. of modules	Palazzoli code	Pack Qty
USB 5V 2.1 A power supply	1	<b>630085</b>	4

Fuse holder  
5x20 mm 10A max.

Fuse type	No. of modules	Max. rated current (A)	Palazzoli code	Pack Qty
5x20mm	1	10A	<b>630035</b>	16

**Features:** fuses not included.MCB  
1P+N C16A PdI 3kA

Rated current (A)	No. of modules	Palazzoli code	Pack Qty
16	1	<b>630036</b>	20

Signalling lamps  
230V - 50/60Hz

Diffuser colour	No. of modules	Palazzoli code	Pack Qty
white	1	<b>630040</b>	16
red	1	<b>630041</b>	16
green	1	<b>630042</b>	16



Closing cap

Description	No. of modules	Palazzoli code	Pack Qty
closing cap	1	<b>630090</b>	100

230V warning lamp  
with 100mm cable

No. of modules	Palazzoli code	Pack Qty
1	<b>630091</b>	200

**Features:** it can be inserted in the multifunction device code 630030 and can be used as a spare part in the domoTER signalling lamps.Quick coupling  
for domoTER boxes

Inner diameter (mm)	Fixing	Palazzoli code	Pack Qty
20	snap	<b>658529</b>	1

**Equipment included:** with gasket.**Uses:** allows to realise multiple box compositions.

# XCEE



Produced in the Netherlands TL 80188  
20A 400V 3P+N+PE  
30A 400V 3P+N+PE  
30A 400V 3P+N+PE  
7602236  
UK  
CE



## XCEE

Safety performance mobile plugs and socket-outlets

## ADVANTAGES



Simplicity is found in the smart cable gland that makes XCEE suitable for all types of cables, with a versatility that is unique on the market. It can be easily closed thanks to the possibility of tightening the cable by levering with a screwdriver. The slot of the cable gland can also be used as a hook for suspension.

The comfort grip provides a comfortable and secure grip even with gloves. The smooth shape of the handle prevents liquids from stagnating.



Indirect clamping HD terminals are standard throughout the range. They guarantee the integrity of the cables for an even passage of current and prevent overheating and cable breakage.

The XCEE series is perfectly compatible with the TAIS series. This feature significantly facilitates the integration of Palazzoli's installations with convenience.





# XCEE

Safety performance mobile plugs and socket-outlets



Body material	Technopolymer
Pin treatment	Nickel plating
Colour	Grey RAL 7046 RAL 5015 Sky blue
Protection rating	IP66/IP67
Additional IP rating	IP68/IP69
Impact resistance	IK10
Resistance to abnormal heat and fire	960°C (insert) 850°C (enclosure)
Flammability class	V-0 (insert) V-2 (enclosure)
Ambient operating temperature	-40°C - +60°C
Ambient storage temperature	-50°C - +90°C
Rated current	16A - 32A - 63A - 125A
Operating voltage	50V - 690V (1000V on request for 63A and 125A)
Insulation voltage	690V (16A - 32A) 1000V (63A - 125A)
Operating frequency	0-50Hz - 500Hz
Terminal type	Screw type, indirect clamping

#### Protection ratings:

IPX8	protected against the effects of continuous immersion (> 1 m and/or > 30 min)
IPX9	protected against high pressure and high temperature jets



#### DIRECTIVES

2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

#### PRODUCT STANDARDS

IEC/EN 60309-1  
IEC/EN 60309-2  
IEC/EN 63000

#### Cable features:

Rated current (A)	Poles	Entry cable diameter (mm)	Cable cross-section range (mm <sup>2</sup> )
16	2P+⊕	6.3 - 18	1 - 10
	3P+⊕		
	3P+N+⊕		
32	2P+⊕	11 - 23	1 - 10
	3P+⊕	13 - 27	
	3P+N+⊕		
63	2P+⊕	14 - 36	6 - 25
	3P+⊕		
	3P+N+⊕		
125	2P+⊕	20 - 50	16 - 70
	3P+⊕		
	3P+N+⊕		



**XCEE**

Safety performance mobile plugs and socket-outlets

# ASSEMBLY INSTRUCTIONS



For quick and easy installation, scan the QR code.

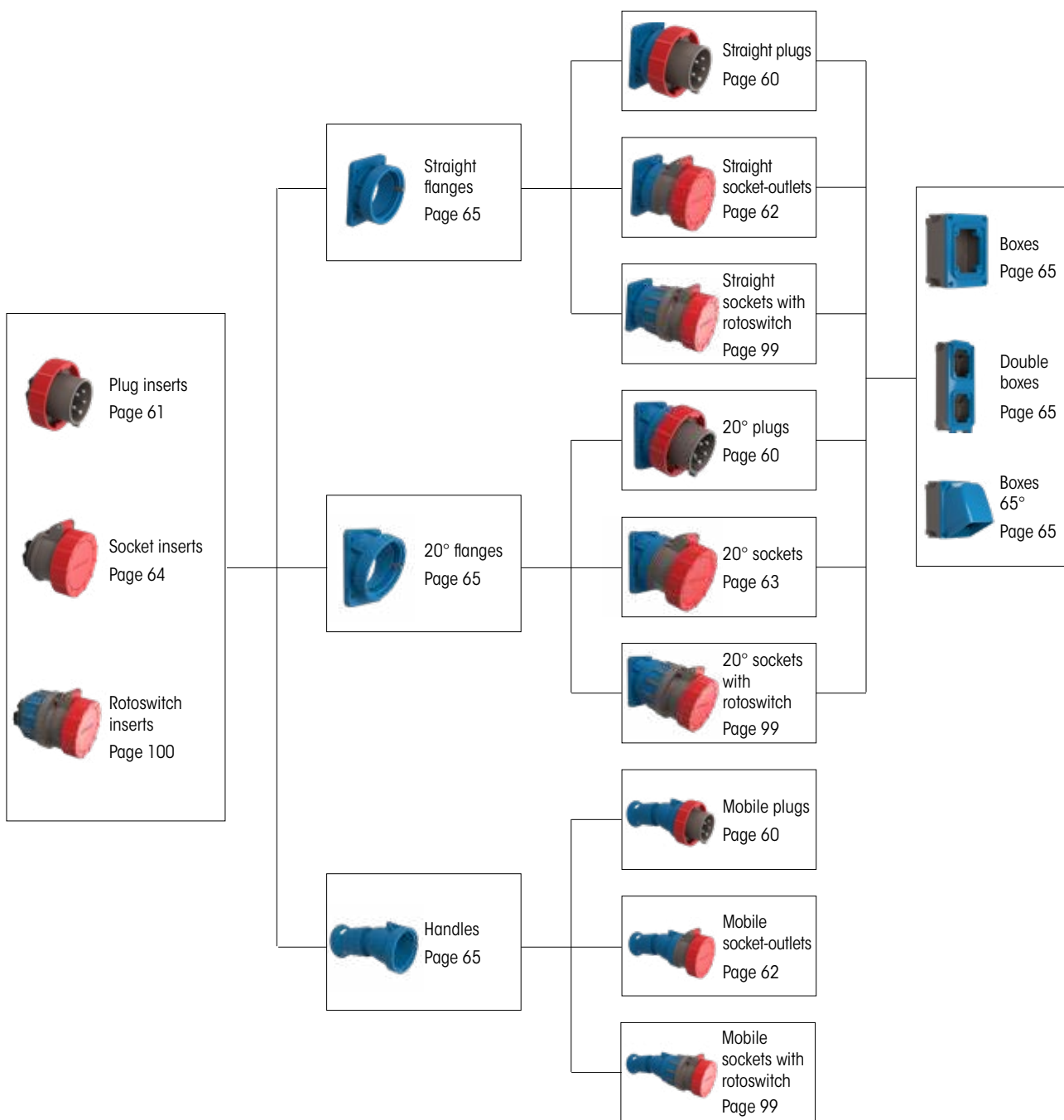




**XCEE**

Combinable inserts with and without rotoswitch according to IEC 60309 standards

# MODULARITY



## Examples of combinations

Straight wall-mounted plug



Angled wall-mounted socket  
Page 63



Straight socket with rotoswitch



65° angled socket with rotoswitch  
Page 99



Two straight wall-mounted socket-outlets

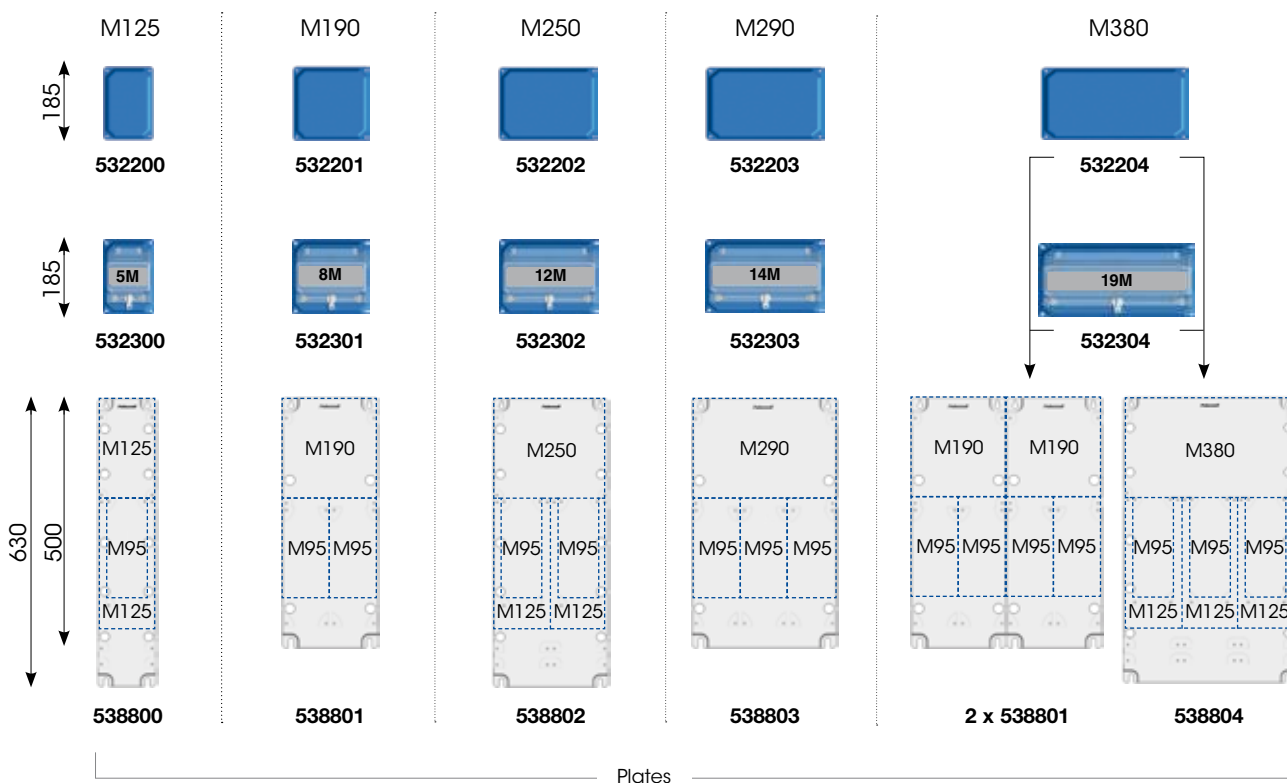




# XCEE

## XCEE compositions with TAIS

Rated current (A)	Rated voltage (V)	Poles	Wall-mounted single gang boxes		Wall-mounted double gang boxes		65° angled wall-mounted boxes		TAIS interlocked socket-outlets			
			M95	M125	M95	M125	M95	M125	M95 direct	M125 direct	M95 fuses	M125 fuses
16	230	2P+⊕	532101		532121		532131		470126		472620	
	400	3P+⊕							470136		472730	
		3P+N+⊕							470146		472830	
32	230	2P+⊕							469226		468226	
	400	3P+⊕							469236		468236	
		3P+N+⊕								470246		472831
63	400	3P+⊕	532102		532122		532132		470336		472732	
		3P+N+⊕							470346		472832	



Plates

### Examples of combinations





XCEE

Safety performance mobile plugs and socket-outlets



Straight mobile plugs  
50/60Hz  
IP66/IP67/IP68/IP69

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	Yellow	2P+⊕	4	760124	1
	110	Yellow	3P+⊕	4	760134	1
	110	Yellow	3P+N+⊕	4	760144	1
	230	Blue	2P+⊕	6	760126	10
	230	Blue	3P+⊕	9	760139	1
	230	Blue	3P+N+⊕	9	760149	1
	400	Red	2P+⊕	9	760129	1
	400	Red	3P+⊕	6	760136	10
	400	Red	3P+N+⊕	6	760146	10
	500	Black	3P+⊕	7	760137	1
32	500	Black	3P+N+⊕	7	760147	1
	110	Yellow	2P+⊕	4	760224	1
	110	Yellow	3P+⊕	4	760234	1
	110	Yellow	3P+N+⊕	4	760244	1
	230	Blue	2P+⊕	6	760226	1
	230	Blue	3P+⊕	9	760239	1
	230	Blue	3P+N+⊕	9	760249	1
	400	Red	2P+⊕	9	760229	1
	400	Red	3P+⊕	6	760236	5
	400	Red	3P+N+⊕	6	760246	5
63	500	Black	3P+⊕	7	760237	1
	500	Black	3P+N+⊕	7	760247	1
	380-440	Red	3P+⊕	3	760233	1
	110	Yellow	2P+⊕	4	760324	1
	110	Yellow	3P+⊕	4	760334	1
	110	Yellow	3P+N+⊕	4	760344	1
	230	Blue	2P+⊕	6	760326	1
	230	Blue	3P+⊕	9	760339	1
	230	Blue	3P+N+⊕	9	760349	1
	400	Red	2P+⊕	9	760329	1
125	400	Red	3P+⊕	6	760336	1
	400	Red	3P+N+⊕	6	760346	1
	500	Black	3P+⊕	7	760337	1
	500	Black	3P+N+⊕	7	760347	1
	110	Yellow	3P+⊕	4	760434	1
	110	Yellow	3P+N+⊕	4	760444	1
	230	Blue	3P+⊕	9	760439	1
	230	Blue	3P+N+⊕	9	760449	1
	400	Red	3P+⊕	6	760436	1
	400	Red	3P+N+⊕	6	760446	1
500	Black	3P+⊕	7	760437	1	
500	Black	3P+N+⊕	7	760447	1	

**Features:** the plugs are designed to allow for padlocking, either in a stand-alone fashion or connected to sockets. The padlock must have a min. shackle width of 10.5 mm, a height of 32 mm and a max. wire Ø of 3.5 mm.



Watertight caps for plugs  
IP67

Rated current (A)	Poles	Palazzoli code	Pack Qty
16	2P+ ⊕	476903	1
	3P+ ⊕	476913	1
	3P+N+ ⊕	476923	10
32	2P+ ⊕ / 3P+ ⊕	476905	10
	3P+N+ ⊕	476925	10
63	2P+ ⊕ / 3P+ ⊕ / 3P+N+ ⊕	476907	1
125	2P+ ⊕ / 3P+ ⊕ / 3P+N+ ⊕	476909	1

**Features:** ensures the IP67 protection rating when the plug is not in use.



Straight panel-mounted inlets  
50/60Hz  
IP66/IP67/IP68/IP69

Rated current (A)	Rated voltage (V)	Flange dimensions (mm)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	65x83	Yellow	2P+⊕	4	762124	1
	230	65x83	Blue	2P+⊕	6	762126	1
	400	65x83	Red	3P+⊕	6	762136	1
	400	65x83	Red	3P+N+⊕	6	762146	1
32	110	65x83	Yellow	2P+⊕	4	762224	1
	230	65x83	Blue	2P+⊕	6	762226	1
	400	65x83	Red	3P+⊕	6	762236	1
63	400	100x108	Red	3P+N+⊕	6	762246	1
	400	100x108	Red	3P+⊕	6	762336	1
	400	100x108	Red	3P+N+⊕	6	762346	1
125	400	114x114	Red	3P+⊕	6	762436	1
	400	114x114	Red	3P+N+⊕	6	762446	1



20° angled panel-mounted inlets  
50/60Hz  
IP66/IP67/IP68/IP69

Rated current (A)	Rated voltage (V)	Flange dimensions	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	65x83	Yellow	2P+⊕	4	763124	1
	230	65x83	Blue	2P+⊕	6	763126	1
	400	65x83	Red	3P+⊕	6	763136	1
	400	65x83	Red	3P+N+⊕	6	763146	1
32	110	65x83	Yellow	2P+⊕	4	763224	1
	230	65x83	Blue	2P+⊕	6	763226	1
	400	65x83	Red	3P+⊕	6	763236	1
63	400	100x108	Red	3P+N+⊕	6	763246	1
	400	100x108	Red	3P+⊕	6	763336	1
	400	100x108	Red	3P+N+⊕	6	763346	1
125	400	114x114	Red	3P+⊕	6	763436	1
	400	114x114	Red	3P+N+⊕	6	763446	1



65° angled wall-mounted inlets  
50/60Hz  
IP66/IP67/IP68/IP69

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	Yellow	2P+⊕	4	766124	1
	230	Blue	2P+⊕	6	766126	1
	400	Red	3P+⊕	6	766136	1
	400	Red	3P+N+⊕	6	766146	1
32	110	Yellow	2P+⊕	4	766224	1
	230	Blue	2P+⊕	6	766226	1
	400	Red	3P+⊕	6	766236	1
63	400	Red	3P+N+⊕	6	766246	1
	400	Red	3P+⊕	6	766336	1
	400	Red	3P+N+⊕	6	766346	1
125	400	Red	3P+⊕	6	766436*	1
	400	Red	3P+N+⊕	6	766446*	1

**Common features:** the plugs are designed to allow for padlocking, either in a stand-alone fashion or connected to sockets. The padlock must have a min. shackle width of 10.5 mm, a height of 32 mm and a max. wire Ø of 3.5 mm.

**\*Notes:** 125A plugs, 80° angled.





# XCEE

## Safety performance mobile plugs and socket-outlets



Inlets  
IP66/IP67/IP68/IP69

Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty	
16	50/60Hz	110	●	2P+⊕	4	<b>769124</b>	1	
	50/60Hz	110	●	3P+⊕	4	<b>769134</b>	1	
	50/60Hz	110	●	3P+N+⊕	4	<b>769144</b>	1	
	50/60Hz	220	●	2P+⊕	6	<b>769126</b>	1	
	50/60Hz	220	●	3P+⊕	9	<b>769139</b>	1	
	50/60Hz	220	●	3P+N+⊕	9	<b>769149</b>	1	
	50/60Hz	400	●	2P+⊕	9	<b>769129</b>	1	
	50/60Hz	400	●	3P+⊕	6	<b>769136</b>	1	
	50/60Hz	400	●	3P+N+⊕	6	<b>769146</b>	1	
	50/60Hz	500	●	2P+⊕	7	<b>769127</b>	1	
	50/60Hz	500	●	3P+⊕	7	<b>769137</b>	1	
	50/60Hz	500	●	3P+N+⊕	7	<b>769147</b>	1	
	50/60Hz	690	●	3P+⊕	5	<b>769135</b>	1	
	50/60Hz	690	●	3P+N+⊕	5	<b>769145</b>	1	
	DC	>250	●	2P+⊕	8	<b>769121</b>	1	
	100-300Hz	>50	●	2P+⊕	10	<b>769120</b>	1	
	100-300Hz	>50	●	3P+⊕	10	<b>769130</b>	1	
	100-300Hz	>50	●	3P+N+⊕	10	<b>769140</b>	1	
	60Hz	440-460	●	3P+⊕	11	<b>769131</b>	1	
	60Hz	440-460	●	3P+N+⊕	11	<b>769141</b>	1	
	50/60Hz	>50	●	2P+⊕	12	<b>769128</b>	1	
	50/60Hz	>50	●	3P+⊕	12	<b>769138</b>	1	
	300/500Hz	>50	●	2P+⊕	2	<b>769122</b>	1	
	300/500Hz	>50	●	3P+⊕	2	<b>769132</b>	1	
	300/500Hz	>50	●	3P+N+⊕	2	<b>769142</b>	1	
	DC	>50-250	●	2P+⊕	3	<b>769123</b>	1	
	50/60Hz	380-440	●	3P+⊕	3	<b>769133</b>	1	
	50/60Hz	380-440	●	3P+N+⊕	3	<b>769143</b>	1	
	32	50/60Hz	110	●	2P+⊕	4	<b>769224</b>	1
		50/60Hz	110	●	3P+⊕	4	<b>769234</b>	1
		50/60Hz	110	●	3P+N+⊕	4	<b>769244</b>	1
		50/60Hz	220	●	2P+⊕	6	<b>769226</b>	1
50/60Hz		220	●	3P+⊕	9	<b>769239</b>	1	
50/60Hz		220	●	3P+N+⊕	9	<b>769249</b>	1	
50/60Hz		400	●	2P+⊕	9	<b>769229</b>	1	
50/60Hz		400	●	3P+⊕	6	<b>769236</b>	1	
50/60Hz		400	●	3P+N+⊕	6	<b>769246</b>	1	
50/60Hz		500	●	2P+⊕	7	<b>769227</b>	1	
50/60Hz		500	●	3P+⊕	7	<b>769237</b>	1	
50/60Hz		500	●	3P+N+⊕	7	<b>769247</b>	1	
50/60Hz		690	●	3P+⊕	5	<b>769235</b>	1	
50/60Hz		690	●	3P+N+⊕	5	<b>769245</b>	1	
DC		>250	●	2P+⊕	8	<b>769221</b>	1	
100-300Hz		>50	●	2P+⊕	10	<b>769220</b>	1	
100-300Hz		>50	●	3P+⊕	10	<b>769230</b>	1	
100-300Hz		>50	●	3P+N+⊕	10	<b>769240</b>	1	
60Hz		440-460	●	3P+⊕	11	<b>769231</b>	1	
60Hz		440-460	●	3P+N+⊕	11	<b>769241</b>	1	
50/60Hz		>50	●	2P+⊕	12	<b>769228</b>	1	
50/60Hz		>50	●	3P+⊕	12	<b>769238</b>	1	
300/500Hz		>50	●	2P+⊕	2	<b>769222</b>	1	
300/500Hz		>50	●	3P+⊕	2	<b>769232</b>	1	
300/500Hz		>50	●	3P+N+⊕	2	<b>769242</b>	1	
DC		>50-250	●	2P+⊕	3	<b>769223</b>	1	
50/60Hz		380-440	●	3P+⊕	3	<b>769233</b>	1	
50/60Hz		380-440	●	3P+N+⊕	3	<b>769243</b>	1	

Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty	
63	50/60Hz	110	●	2P+⊕	4	<b>769324</b>	1	
	50/60Hz	110	●	3P+⊕	4	<b>769334</b>	1	
	50/60Hz	110	●	3P+N+⊕	4	<b>769344</b>	1	
	50/60Hz	220	●	2P+⊕	6	<b>769326</b>	1	
	50/60Hz	220	●	3P+⊕	9	<b>769339</b>	1	
	50/60Hz	220	●	3P+N+⊕	9	<b>769349</b>	1	
	50/60Hz	400	●	2P+⊕	9	<b>769329</b>	1	
	50/60Hz	400	●	3P+⊕	6	<b>769336</b>	1	
	50/60Hz	400	●	3P+N+⊕	6	<b>769346</b>	1	
	50/60Hz	500	●	2P+⊕	7	<b>769327</b>	1	
	50/60Hz	500	●	3P+⊕	7	<b>769337</b>	1	
	50/60Hz	500	●	3P+N+⊕	7	<b>769347</b>	1	
	50/60Hz	690	●	3P+⊕	5	<b>769335</b>	1	
	50/60Hz	690	●	3P+N+⊕	5	<b>769345</b>	1	
	DC	>250	●	2P+⊕	8	<b>769321</b>	1	
	100-300Hz	>50	●	2P+⊕	10	<b>769320</b>	1	
	100-300Hz	>50	●	3P+⊕	10	<b>769330</b>	1	
	100-300Hz	>50	●	3P+N+⊕	10	<b>769340</b>	1	
	60Hz	440-460	●	3P+⊕	11	<b>769331</b>	1	
	60Hz	440-460	●	3P+N+⊕	11	<b>769341</b>	1	
	50/60Hz	>50	●	2P+⊕	12	<b>769328</b>	1	
	50/60Hz	>50	●	3P+⊕	12	<b>769338</b>	1	
	300/500Hz	>50	●	2P+⊕	2	<b>769322</b>	1	
	300/500Hz	>50	●	3P+⊕	2	<b>769332</b>	1	
	300/500Hz	>50	●	3P+N+⊕	2	<b>769342</b>	1	
	DC	>50-250	●	2P+⊕	3	<b>769323</b>	1	
	50/60Hz	380-440	●	3P+⊕	3	<b>769333</b>	1	
	50/60Hz	380-440	●	3P+N+⊕	3	<b>769343</b>	1	
	125	50/60Hz	110	●	2P+⊕	4	<b>769424</b>	1
		50/60Hz	110	●	3P+⊕	4	<b>769434</b>	1
		50/60Hz	110	●	3P+N+⊕	4	<b>769444</b>	1
		50/60Hz	220	●	2P+⊕	6	<b>769426</b>	1
50/60Hz		220	●	3P+⊕	9	<b>769439</b>	1	
50/60Hz		220	●	3P+N+⊕	9	<b>769449</b>	1	
50/60Hz		400	●	2P+⊕	9	<b>769429</b>	1	
50/60Hz		400	●	3P+⊕	6	<b>769436</b>	1	
50/60Hz		400	●	3P+N+⊕	6	<b>769446</b>	1	
50/60Hz		500	●	2P+⊕	7	<b>769427</b>	1	
50/60Hz		500	●	3P+⊕	7	<b>769437</b>	1	
50/60Hz		500	●	3P+N+⊕	7	<b>769447</b>	1	
50/60Hz		690	●	3P+⊕	5	<b>769435</b>	1	
50/60Hz		690	●	3P+N+⊕	5	<b>769445</b>	1	
DC		>250	●	2P+⊕	8	<b>769421</b>	1	
100-300Hz		>50	●	2P+⊕	10	<b>769420</b>	1	
100-300Hz		>50	●	3P+⊕	10	<b>769430</b>	1	
100-300Hz		>50	●	3P+N+⊕	10	<b>769440</b>	1	
60Hz		440-460	●	3P+⊕	11	<b>769431</b>	1	
60Hz		440-460	●	3P+N+⊕	11	<b>769441</b>	1	
50/60Hz		>50	●	2P+⊕	12	<b>769428</b>	1	
50/60Hz		>50	●	3P+⊕	12	<b>769438</b>	1	
300/500Hz		>50	●	2P+⊕	2	<b>769422</b>	1	
300/500Hz		>50	●	3P+⊕	2	<b>769432</b>	1	
300/500Hz		>50	●	3P+N+⊕	2	<b>769442</b>	1	
DC		>50-250	●	2P+⊕	3	<b>769423</b>	1	
50/60Hz		380-440	●	3P+⊕	3	<b>769433</b>	1	
50/60Hz		380-440	●	3P+N+⊕	3	<b>769443</b>	1	

Features: the plugs are designed to allow for padlocking, either in a stand-alone fashion or connected to sockets. The padlock must have a min. shackle width of 10.5 mm, a height of 32 mm and a max. wire Ø of 3.5 mm.



# XCEE

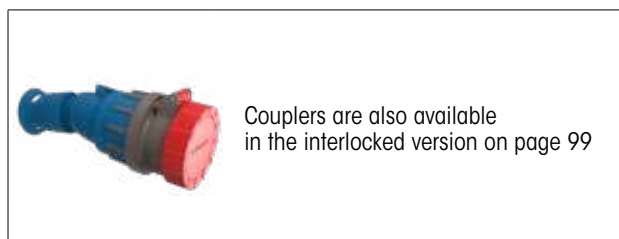
## Safety performance mobile plugs and socket-outlets



Straight mobile socket-outlets  
50/60Hz  
IP66/IP67/IP68/IP69

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty	
16	110	Yellow	2P+⊕	4	<b>770124</b>	1	
	110	Yellow	3P+⊕	4	<b>770134</b>	1	
	110	Yellow	3P+N+⊕	4	<b>770144</b>	1	
	230	Blue	2P+⊕	6	<b>770126</b>	10	
	230	Blue	3P+⊕	9	<b>770139</b>	1	
	230	Blue	3P+N+⊕	9	<b>770149</b>	1	
	400	Red	2P+⊕	9	<b>770129</b>	1	
	400	Red	3P+⊕	6	<b>770136</b>	10	
	400	Red	3P+N+⊕	6	<b>770146</b>	10	
	500	Black	3P+⊕	7	<b>770137</b>	1	
	500	Black	3P+N+⊕	7	<b>770147</b>	1	
	32	110	Yellow	2P+⊕	4	<b>770224</b>	1
		110	Yellow	3P+⊕	4	<b>770234</b>	1
		110	Yellow	3P+N+⊕	4	<b>770244</b>	1
230		Blue	2P+⊕	6	<b>770226</b>	1	
230		Blue	3P+⊕	9	<b>770239</b>	1	
230		Blue	3P+N+⊕	9	<b>770249</b>	1	
400		Red	2P+⊕	9	<b>770229</b>	1	
400		Red	3P+⊕	6	<b>770236</b>	5	
400		Red	3P+N+⊕	6	<b>770246</b>	5	
500		Black	3P+⊕	7	<b>770237</b>	1	
500		Black	3P+N+⊕	7	<b>770247</b>	1	
380-440		Red	3P+⊕	3	<b>770233</b>	1	
63		110	Yellow	2P+⊕	4	<b>770324</b>	1
		110	Yellow	3P+⊕	4	<b>770334</b>	1
	110	Yellow	3P+N+⊕	4	<b>770344</b>	1	
	230	Blue	2P+⊕	6	<b>770326</b>	1	
	230	Blue	3P+⊕	9	<b>770339</b>	1	
	230	Blue	3P+N+⊕	9	<b>770349</b>	1	
	400	Red	2P+⊕	9	<b>770329</b>	1	
	400	Red	3P+⊕	6	<b>770336</b>	1	
	400	Red	3P+N+⊕	6	<b>770346</b>	1	
	500	Black	3P+⊕	7	<b>770337</b>	1	
	500	Black	3P+N+⊕	7	<b>770347</b>	1	
	110	Yellow	3P+⊕	4	<b>770434</b>	1	
	110	Yellow	3P+N+⊕	4	<b>770444</b>	1	
	125	230	Blue	3P+⊕	9	<b>770439</b>	1
230		Blue	3P+N+⊕	9	<b>770449</b>	1	
400		Red	3P+⊕	6	<b>770436</b>	1	
400		Red	3P+N+⊕	6	<b>770446</b>	1	
500		Black	3P+⊕	7	<b>770437</b>	1	
500		Black	3P+N+⊕	7	<b>770447</b>	1	

**Features:** the socket-outlets are designed to allow for padlocking, either in a stand-alone fashion or connected to plugs. The padlock must have a min. shackle width of 10.5 mm, a height of 32 mm and a max. wire Ø of 3.5 mm.



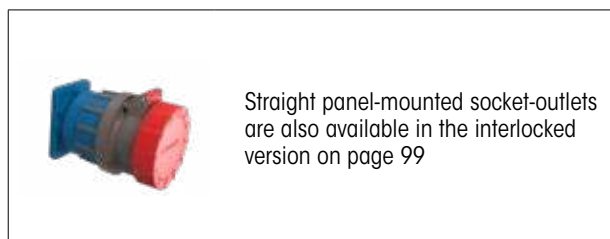
Couplers are also available in the interlocked version on page 99



Straight panel-mounted socket-outlets  
50/60Hz  
IP66/IP67/IP68/IP69

Rated current (A)	Rated voltage (V)	Flange dimensions (mm)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty	
16	110	65x83	Yellow	2P+⊕	4	<b>772124</b>	1	
	110	65x83	Yellow	3P+⊕	4	<b>772134</b>	1	
	110	65x83	Yellow	3P+N+⊕	4	<b>772144</b>	1	
	230	65x83	Blue	2P+⊕	6	<b>772126</b>	10	
	230	65x83	Blue	3P+⊕	9	<b>772139</b>	1	
	230	65x83	Blue	3P+N+⊕	9	<b>772149</b>	1	
	400	65x83	Red	2P+⊕	9	<b>772129</b>	1	
	400	65x83	Red	3P+⊕	6	<b>772136</b>	1	
	400	65x83	Red	3P+N+⊕	6	<b>772146</b>	1	
	500	65x83	Black	3P+⊕	7	<b>772137</b>	1	
	500	65x83	Black	3P+N+⊕	7	<b>772147</b>	1	
	32	110	65x83	Yellow	2P+⊕	4	<b>772224</b>	1
		110	65x83	Yellow	3P+⊕	4	<b>772234</b>	1
		110	100x108	Yellow	3P+N+⊕	4	<b>772244</b>	1
230		65x83	Blue	2P+⊕	6	<b>772226</b>	1	
230		65x83	Blue	3P+⊕	9	<b>772239</b>	1	
230		100x108	Blue	3P+N+⊕	9	<b>772249</b>	1	
400		65x83	Red	2P+⊕	9	<b>772229</b>	1	
400		65x83	Red	3P+⊕	6	<b>772236</b>	1	
400		100x108	Red	3P+N+⊕	6	<b>772246</b>	1	
500		65x83	Black	3P+⊕	7	<b>772237</b>	1	
500		100x108	Black	3P+N+⊕	7	<b>772247</b>	1	
380-440		65x83	Red	3P+⊕	3	<b>772233</b>	1	
63		110	100x108	Yellow	2P+⊕	4	<b>772324</b>	1
		110	100x108	Yellow	3P+⊕	4	<b>772334</b>	1
	110	100x108	Yellow	3P+N+⊕	4	<b>772344</b>	1	
	230	100x108	Blue	2P+⊕	6	<b>772326</b>	1	
	230	100x108	Blue	3P+⊕	9	<b>772339</b>	1	
	230	100x108	Blue	3P+N+⊕	9	<b>772349</b>	1	
	400	100x108	Red	2P+⊕	9	<b>772329</b>	1	
	400	100x108	Red	3P+⊕	6	<b>772336</b>	1	
	400	100x108	Red	3P+N+⊕	6	<b>772346</b>	1	
	500	100x108	Black	3P+⊕	7	<b>772337</b>	1	
	500	100x108	Black	3P+N+⊕	7	<b>772347</b>	1	
	110	114x114	Yellow	3P+⊕	4	<b>772434</b>	1	
	110	114x114	Yellow	3P+N+⊕	4	<b>772444</b>	1	
	125	230	114x114	Blue	3P+⊕	9	<b>772439</b>	1
230		114x114	Blue	3P+N+⊕	9	<b>772449</b>	1	
400		114x114	Red	3P+⊕	6	<b>772436</b>	1	
400		114x114	Red	3P+N+⊕	6	<b>772446</b>	1	
500		114x114	Black	3P+⊕	7	<b>772437</b>	1	
500		114x114	Black	3P+N+⊕	7	<b>772447</b>	1	

**Features:** the socket-outlets are designed to allow for padlocking, either in a stand-alone fashion or connected to plugs. The padlock must have a min. shackle width of 10.5 mm, a height of 32 mm and a max. wire Ø of 3.5 mm.



Straight panel-mounted socket-outlets are also available in the interlocked version on page 99



# XCEE

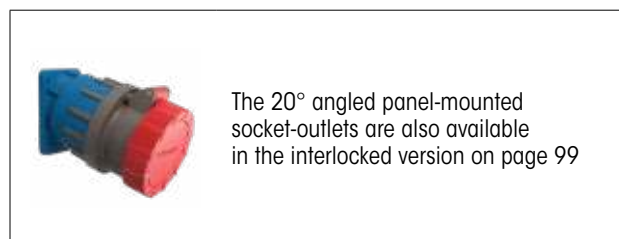
## Safety performance mobile plugs and socket-outlets



20° angled  
panel-mounted socket-outlets  
50/60Hz  
IP66/IP67/IP68/IP69

Rated current (A)	Rated voltage (V)	Flange dimensions (mm)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	65x83	Yellow	2P+⊕	4	<b>773124</b>	1
	110	65x83	Yellow	3P+⊕	4	<b>773134</b>	1
	110	65x83	Yellow	3P+N+⊕	4	<b>773144</b>	1
	230	65x83	Blue	2P+⊕	6	<b>773126</b>	10
	230	65x83	Blue	3P+⊕	9	<b>773139</b>	1
	230	65x83	Blue	3P+N+⊕	9	<b>773149</b>	1
	400	65x83	Red	2P+⊕	9	<b>773129</b>	1
	400	65x83	Red	3P+⊕	6	<b>773136</b>	1
	400	65x83	Red	3P+N+⊕	6	<b>773146</b>	1
	500	65x83	Black	3P+⊕	7	<b>773137</b>	1
32	110	65x83	Yellow	2P+⊕	4	<b>773224</b>	1
	110	65x83	Yellow	3P+⊕	4	<b>773234</b>	1
	110	100x108	Yellow	3P+N+⊕	4	<b>773244</b>	1
	230	65x83	Blue	2P+⊕	6	<b>773226</b>	1
	230	65x83	Blue	3P+⊕	9	<b>773239</b>	1
	230	100x108	Blue	3P+N+⊕	9	<b>773249</b>	1
	400	65x83	Red	2P+⊕	9	<b>773229</b>	1
	400	65x83	Red	3P+⊕	6	<b>773236</b>	1
	400	100x108	Red	3P+N+⊕	6	<b>773246</b>	1
	500	65x83	Black	3P+⊕	7	<b>773237</b>	1
63	110	100x108	Yellow	2P+⊕	4	<b>773324</b>	1
	110	100x108	Yellow	3P+⊕	4	<b>773334</b>	1
	110	100x108	Yellow	3P+N+⊕	4	<b>773344</b>	1
	230	100x108	Blue	2P+⊕	6	<b>773326</b>	1
	230	100x108	Blue	3P+⊕	9	<b>773339</b>	1
	230	100x108	Blue	3P+N+⊕	9	<b>773349</b>	1
	400	100x108	Red	2P+⊕	9	<b>773329</b>	1
	400	100x108	Red	3P+⊕	6	<b>773336</b>	1
	400	100x108	Red	3P+N+⊕	6	<b>773346</b>	1
	500	100x108	Black	3P+⊕	7	<b>773337</b>	1
125	110	114x114	Yellow	3P+⊕	4	<b>773434</b>	1
	110	114x114	Yellow	3P+N+⊕	4	<b>773444</b>	1
	230	114x114	Blue	3P+⊕	9	<b>773439</b>	1
	230	114x114	Blue	3P+N+⊕	9	<b>773449</b>	1
	400	114x114	Red	3P+⊕	6	<b>773436</b>	1
	400	114x114	Red	3P+N+⊕	6	<b>773446</b>	1
	500	114x114	Black	3P+⊕	7	<b>773437</b>	1
	500	114x114	Black	3P+N+⊕	7	<b>773447</b>	1

**Features:** the socket-outlets are designed to allow for padlocking, either in a stand-alone fashion or connected to plugs. The padlock must have a min. shackle width of 10.5 mm, a height of 32 mm and a max. wire Ø of 3.5 mm.



The 20° angled panel-mounted socket-outlets are also available in the interlocked version on page 99

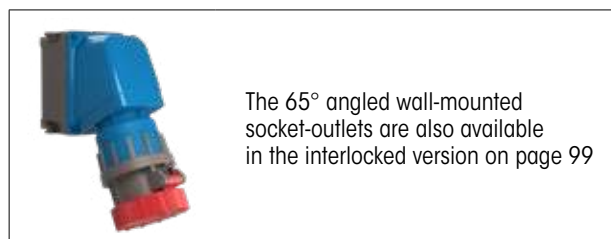


65° angled  
wall-mounted socket-outlets  
50/60Hz  
IP66/IP67/IP68/IP69

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	Yellow	2P+⊕	4	<b>776124</b>	1
	110	Yellow	3P+⊕	4	<b>776134</b>	1
	110	Yellow	3P+N+⊕	4	<b>776144</b>	1
	230	Blue	2P+⊕	6	<b>776126</b>	1
	230	Blue	3P+⊕	9	<b>776139</b>	1
	230	Blue	3P+N+⊕	9	<b>776149</b>	1
	400	Red	2P+⊕	9	<b>776129</b>	1
	400	Red	3P+⊕	6	<b>776136</b>	1
	400	Red	3P+N+⊕	6	<b>776146</b>	1
	500	Black	3P+⊕	7	<b>776137</b>	1
32	110	Yellow	2P+⊕	4	<b>776224</b>	1
	110	Yellow	3P+⊕	4	<b>776234</b>	1
	110	Yellow	3P+N+⊕	4	<b>776244</b>	1
	230	Blue	2P+⊕	6	<b>776226</b>	1
	230	Blue	3P+⊕	9	<b>776239</b>	1
	230	Blue	3P+N+⊕	9	<b>776249</b>	1
	400	Red	2P+⊕	9	<b>776229</b>	1
	400	Red	3P+⊕	6	<b>776236</b>	1
	400	Red	3P+N+⊕	6	<b>776246</b>	1
	500	Black	3P+⊕	7	<b>776237</b>	1
63	110	Yellow	2P+⊕	4	<b>776324</b>	1
	110	Yellow	3P+⊕	4	<b>776334</b>	1
	110	Yellow	3P+N+⊕	4	<b>776344</b>	1
	230	Blue	2P+⊕	6	<b>776326</b>	1
	230	Blue	3P+⊕	9	<b>776339</b>	1
	230	Blue	3P+N+⊕	9	<b>776349</b>	1
	400	Red	2P+⊕	9	<b>776329</b>	1
	400	Red	3P+⊕	6	<b>776336</b>	1
	400	Red	3P+N+⊕	6	<b>776346</b>	1
	500	Black	3P+⊕	7	<b>776337</b>	1
125	110	Yellow	3P+⊕	4	<b>776434</b>	1
	110	Yellow	3P+N+⊕	4	<b>776444</b>	1
	230	Blue	3P+⊕	9	<b>776439</b>	1
	230	Blue	3P+N+⊕	9	<b>776449</b>	1
	400	Red	3P+⊕	6	<b>776436</b>	1
	400	Red	3P+N+⊕	6	<b>776446</b>	1
	500	Black	3P+⊕	7	<b>776437</b>	1
	500	Black	3P+N+⊕	7	<b>776447</b>	1

**Features:** the socket-outlets are designed to allow for padlocking, either in a stand-alone fashion or connected to plugs. The padlock must have a min. shackle width of 10.5 mm, a height of 32 mm and a max. wire Ø of 3.5 mm.

**Notes:** 125A socket-outlets, 80° angled.



The 65° angled wall-mounted socket-outlets are also available in the interlocked version on page 99



XCEE

Safety performance mobile plugs and socket-outlets



Combinable socket inserts  
IP66/IP67/IP68/IP69

Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty	
16	50/60Hz	110	●	2P+⊕	4	<b>779124</b>	1	
	50/60Hz	110	●	3P+⊕	4	<b>779134</b>	1	
	50/60Hz	110	●	3P+N+⊕	4	<b>779144</b>	1	
	50/60Hz	220	●	2P+⊕	6	<b>779126</b>	1	
	50/60Hz	220	●	3P+⊕	9	<b>779139</b>	1	
	50/60Hz	220	●	3P+N+⊕	9	<b>779149</b>	1	
	50/60Hz	400	●	2P+⊕	9	<b>779129</b>	1	
	50/60Hz	400	●	3P+⊕	6	<b>779136</b>	1	
	50/60Hz	400	●	3P+N+⊕	6	<b>779146</b>	1	
	50/60Hz	500	●	2P+⊕	7	<b>779127</b>	1	
	50/60Hz	500	●	3P+⊕	7	<b>779137</b>	1	
	50/60Hz	500	●	3P+N+⊕	7	<b>779147</b>	1	
	50/60Hz	690	●	3P+⊕	5	<b>779135</b>	1	
	50/60Hz	690	●	3P+N+⊕	5	<b>779145</b>	1	
	DC	>250	●	2P+⊕	8	<b>779121</b>	1	
	100-300Hz	>50	●	2P+⊕	10	<b>779120</b>	1	
	100-300Hz	>50	●	3P+⊕	10	<b>779130</b>	1	
	100-300Hz	>50	●	3P+N+⊕	10	<b>779140</b>	1	
	60Hz	440-460	●	3P+⊕	11	<b>779131</b>	1	
	60Hz	440-460	●	3P+N+⊕	11	<b>779141</b>	1	
	50/60Hz	>50	●	2P+⊕	12	<b>779128</b>	1	
	50/60Hz	>50	●	3P+⊕	12	<b>779138</b>	1	
	300/500Hz	>50	●	2P+⊕	2	<b>779122</b>	1	
	300/500Hz	>50	●	3P+⊕	2	<b>779132</b>	1	
	300/500Hz	>50	●	3P+N+⊕	2	<b>779142</b>	1	
	DC	>50-250	●	2P+⊕	3	<b>779123</b>	1	
	50/60Hz	380-440	●	3P+⊕	3	<b>779133</b>	1	
	50/60Hz	380-440	●	3P+N+⊕	3	<b>779143</b>	1	
	32	50/60Hz	110	●	2P+⊕	4	<b>779224</b>	1
		50/60Hz	110	●	3P+⊕	4	<b>779234</b>	1
		50/60Hz	110	●	3P+N+⊕	4	<b>779244</b>	1
		50/60Hz	220	●	2P+⊕	6	<b>779226</b>	1
50/60Hz		220	●	3P+⊕	9	<b>779239</b>	1	
50/60Hz		220	●	3P+N+⊕	9	<b>779249</b>	1	
50/60Hz		400	●	2P+⊕	9	<b>779229</b>	1	
50/60Hz		400	●	3P+⊕	6	<b>779236</b>	1	
50/60Hz		400	●	3P+N+⊕	6	<b>779246</b>	1	
50/60Hz		500	●	2P+⊕	7	<b>779227</b>	1	
50/60Hz		500	●	3P+⊕	7	<b>779237</b>	1	
50/60Hz		500	●	3P+N+⊕	7	<b>779247</b>	1	
50/60Hz		690	●	3P+⊕	5	<b>779235</b>	1	
50/60Hz		690	●	3P+N+⊕	5	<b>779245</b>	1	
DC		>250	●	2P+⊕	8	<b>779221</b>	1	
100-300Hz		>50	●	2P+⊕	10	<b>779220</b>	1	
100-300Hz		>50	●	3P+⊕	10	<b>779230</b>	1	
100-300Hz		>50	●	3P+N+⊕	10	<b>779240</b>	1	
60Hz		440-460	●	3P+⊕	11	<b>779231</b>	1	
60Hz		440-460	●	3P+N+⊕	11	<b>779241</b>	1	
50/60Hz		>50	●	2P+⊕	12	<b>779228</b>	1	
50/60Hz		>50	●	3P+⊕	12	<b>779238</b>	1	
300/500Hz		>50	●	2P+⊕	2	<b>779222</b>	1	
300/500Hz		>50	●	3P+⊕	2	<b>779232</b>	1	
300/500Hz		>50	●	3P+N+⊕	2	<b>779242</b>	1	
DC		>50-250	●	2P+⊕	3	<b>779223</b>	1	
50/60Hz		380-440	●	3P+⊕	3	<b>779233</b>	1	
50/60Hz		380-440	●	3P+N+⊕	3	<b>779243</b>	1	

Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty	
63	50/60Hz	110	●	2P+⊕	4	<b>779324</b>	1	
	50/60Hz	110	●	3P+⊕	4	<b>779334</b>	1	
	50/60Hz	110	●	3P+N+⊕	4	<b>779344</b>	1	
	50/60Hz	220	●	2P+⊕	6	<b>779326</b>	1	
	50/60Hz	220	●	3P+⊕	9	<b>779339</b>	1	
	50/60Hz	220	●	3P+N+⊕	9	<b>779349</b>	1	
	50/60Hz	400	●	2P+⊕	9	<b>779329</b>	1	
	50/60Hz	400	●	3P+⊕	6	<b>779336</b>	1	
	50/60Hz	400	●	3P+N+⊕	6	<b>779346</b>	1	
	50/60Hz	500	●	2P+⊕	7	<b>779327</b>	1	
	50/60Hz	500	●	3P+⊕	7	<b>779337</b>	1	
	50/60Hz	500	●	3P+N+⊕	7	<b>779347</b>	1	
	50/60Hz	690	●	3P+⊕	5	<b>779335</b>	1	
	50/60Hz	690	●	3P+N+⊕	5	<b>779345</b>	1	
	DC	>250	●	2P+⊕	8	<b>779321</b>	1	
	100-300Hz	>50	●	2P+⊕	10	<b>779320</b>	1	
	100-300Hz	>50	●	3P+⊕	10	<b>779330</b>	1	
	100-300Hz	>50	●	3P+N+⊕	10	<b>779340</b>	1	
	60Hz	440-460	●	3P+⊕	11	<b>779331</b>	1	
	60Hz	440-460	●	3P+N+⊕	11	<b>779341</b>	1	
	50/60Hz	>50	●	2P+⊕	12	<b>779328</b>	1	
	50/60Hz	>50	●	3P+⊕	12	<b>779338</b>	1	
	300/500Hz	>50	●	2P+⊕	2	<b>779322</b>	1	
	300/500Hz	>50	●	3P+⊕	2	<b>779332</b>	1	
	300/500Hz	>50	●	3P+N+⊕	2	<b>779342</b>	1	
	DC	>50-250	●	2P+⊕	3	<b>779323</b>	1	
	50/60Hz	380-440	●	3P+⊕	3	<b>779333</b>	1	
	50/60Hz	380-440	●	3P+N+⊕	3	<b>779343</b>	1	
	125	50/60Hz	110	●	2P+⊕	4	<b>779424</b>	1
		50/60Hz	110	●	3P+⊕	4	<b>779434</b>	1
		50/60Hz	110	●	3P+N+⊕	4	<b>779444</b>	1
		50/60Hz	220	●	2P+⊕	6	<b>779426</b>	1
50/60Hz		220	●	3P+⊕	9	<b>779439</b>	1	
50/60Hz		220	●	3P+N+⊕	9	<b>779449</b>	1	
50/60Hz		400	●	2P+⊕	9	<b>779429</b>	1	
50/60Hz		400	●	3P+⊕	6	<b>779436</b>	1	
50/60Hz		400	●	3P+N+⊕	6	<b>779446</b>	1	
50/60Hz		500	●	2P+⊕	7	<b>779427</b>	1	
50/60Hz		500	●	3P+⊕	7	<b>779437</b>	1	
50/60Hz		500	●	3P+N+⊕	7	<b>779447</b>	1	
50/60Hz		690	●	3P+⊕	5	<b>779435</b>	1	
50/60Hz		690	●	3P+N+⊕	5	<b>779445</b>	1	
DC		>250	●	2P+⊕	8	<b>779421</b>	1	
100-300Hz		>50	●	2P+⊕	10	<b>779420</b>	1	
100-300Hz		>50	●	3P+⊕	10	<b>779430</b>	1	
100-300Hz		>50	●	3P+N+⊕	10	<b>779440</b>	1	
60Hz		440-460	●	3P+⊕	11	<b>779431</b>	1	
60Hz		440-460	●	3P+N+⊕	11	<b>779441</b>	1	
50/60Hz		>50	●	2P+⊕	12	<b>779428</b>	1	
50/60Hz		>50	●	3P+⊕	12	<b>779438</b>	1	
300/500Hz		>50	●	2P+⊕	2	<b>779422</b>	1	
300/500Hz		>50	●	3P+⊕	2	<b>779432</b>	1	
300/500Hz		>50	●	3P+N+⊕	2	<b>779442</b>	1	
DC		>50-250	●	2P+⊕	3	<b>779423</b>	1	
50/60Hz		380-440	●	3P+⊕	3	<b>779433</b>	1	
50/60Hz		380-440	●	3P+N+⊕	3	<b>779443</b>	1	

Features: the socket-outlets are designed to allow for padlocking, either in a stand-alone fashion or connected to plugs. The padlock must have a min. shackle width of 10.5 mm, a height of 32 mm and a max. wire Ø of 3.5 mm.





# XCEE

Safety performance mobile plugs and socket-outlets



Handles for inserts  
IP66/IP67/IP68/IP69

Rated current (A)	Poles	Entry cable diameter (mm)	Palazzoli code	Pack Qty
16	2P+⊕	6.3 - 18	<b>419001</b>	5
	3P+⊕	6.3 - 18	<b>419002</b>	5
	3P+N+⊕	9 - 23	<b>419003</b>	5
2P+⊕ / 3P+⊕	9 - 23			
32	3P+N+⊕	13 - 27	<b>419004</b>	5
	2P+⊕ / 3P+⊕ / 3P+N+⊕	14 - 36	<b>419005</b>	5
125	2P+⊕ / 3P+⊕ / 3P+N+⊕	16 - 50	<b>419006</b>	5



Straight panel-mounted flanges for inserts  
IP66/IP67/IP68/IP69

Rated current (A)	Poles	Flange dimensions (mm)	Palazzoli code	Pack Qty
16	2P+⊕	65x83	<b>419021</b>	5
	3P+⊕	65x83	<b>419022</b>	5
	3P+N+⊕	65x83	<b>419023</b>	5
2P+⊕ / 3P+⊕	65x83			
32	3P+N+⊕	100x108	<b>419024</b>	5
	2P+⊕ / 3P+⊕ / 3P+N+⊕	100 x 108	<b>419025</b>	5
125	2P+⊕ / 3P+⊕ / 3P+N+⊕	114x114	<b>419026</b>	5



20° angled panel-mounted flanges for inserts  
IP66/IP67/IP68/IP69

Rated current (A)	Poles	Flange dimensions (mm)	Palazzoli code	Pack Qty
16	2P+⊕	65x83	<b>419031</b>	5
	3P+⊕	65x83	<b>419032</b>	5
	3P+N+⊕	65x83	<b>419033</b>	5
2P+⊕ / 3P+⊕	65x83			
32	3P+N+⊕	100x108	<b>419034</b>	5
	2P+⊕ / 3P+⊕ / 3P+N+⊕	100x108	<b>419035</b>	5
125	2P+⊕ / 3P+⊕ / 3P+N+⊕	114x114	<b>419036</b>	5



65° angled wall-mounted modular boxes with TAIS system for panel-mounted devices  
IP66/IP67/IP68/IP69

Rated current (A)	For flange with dimensions (mm)	Box dimensions (mm)	Palazzoli code	Pack Qty
16-32	65x83	92x125	<b>532131</b>	1
32-63	100x108	125x185	<b>532132</b>	1
125	114x114		<b>532133*</b>	1

\*Notes: 80° angled box.



Wall-mounted modular boxes with TAIS system for panel-mounted devices  
IP66/IP67/IP68/IP69

Rated current (A)	For flange with dimensions (mm)	Box dimensions (mm)	Palazzoli code	Pack Qty
16-32	65x83	92x125	<b>532101</b>	1
32-63	100x108	125x185	<b>532102</b>	1
125	114x114		<b>532103</b>	1



Wall-mounted modular boxes with TAIS system for 2 panel-mounted devices  
IP66/IP67/IP68/IP69

Rated current (A)	For flange with dimensions (mm)	Box dimensions (mm)	Palazzoli code	Pack Qty
16-32	2x(65x83)	92x255	<b>532121</b>	1
32-63	2x(100x108)	125x352	<b>532122*</b>	1
16-32-63	or 1x(65x83)+1x(100x108)			

Equipment included: 1 blind flange.

\*1 flange adaptor frame, from flange 100x108 to flange 65x83, code 532841.



Flange adaptor frame from 100x108 flange to 65x83 flange for wall-mounted boxes  
IP66/IP67/IP68/IP69

Frame dimensions (mm)	For flange with dimensions (mm)	Palazzoli code	Pack Qty
100x108	65x83	<b>532841</b>	1



Blind flanges for wall-mounted boxes  
IP66/IP67/IP68/IP69

Flange dimensions (mm)	Palazzoli code	Pack Qty
65x83	<b>532843</b>	1
100x108	<b>532842</b>	1



# CEE

## Extra low voltage plugs and sockets

Body material	Technopolymer
Colour	RAL 7042
Protection rating	IP44 - IP67
Impact resistance	IK07
Resistance to abnormal heat and fire	850°C (enclosure) 850°C (16A/32A insert) 960°C (63A/125A insert)
Flammability class	V-2 (enclosure) V-2 (16A/32A insert) V-0 (63A/125A insert)
Ambient operating temperature	-25°C - +50°C
Ambient storage temperature	-30°C - +70°C
Rated current	16A - 32A - 63A - 125A
Operating voltage	24V - 50V
Insulation voltage	50V
Operating frequency	50/200Hz and DC
Terminal type	Screw type, direct clamping



### DIRECTIVES

2001/95/CE (GPSD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

### PRODUCT STANDARDS

IEC/EN 60309-1  
IEC/EN 60309-2  
IEC/EN 63000

#### Cable features:

Rated current (A)	Poles	Entry cable diameter (mm)	Entry cable cross-section (mm <sup>2</sup> )
16	2P	10.5 - 23	4 - 10
	3P		
32	2P		
	3P		
63	2P	16 - 31.5	4 - 16
	3P		
125	3P	24.5 - 45	6 - 50



Straight mobile plugs extra-low voltage IP44

Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	50/60Hz	24	■	2P	-	<b>477002</b>	10
	50/60Hz	24	■	3P	-	<b>477062</b>	1
	50/60Hz	42	○	2P	12	<b>477102</b>	1
	50/60Hz	42	○	3P	12	<b>477112</b>	1
	100/200Hz	24-42	■	2P	4	<b>477012</b>	1
	100/200Hz	24-42	■	3P	4	<b>477122</b>	1
	DC	24-42	○	2P	10	<b>477602</b>	1
	32	50/60Hz	24	■	2P	-	<b>477005</b>
50/60Hz		24	■	3P	-	<b>477065</b>	1
50/60Hz		42	○	2P	12	<b>477105</b>	1
50/60Hz		42	○	3P	12	<b>477115</b>	1
100/200Hz		24-42	■	2P	4	<b>477015</b>	1
100/200Hz		24-42	■	3P	4	<b>477175</b>	1
DC		24-42	○	2P	10	<b>477605</b>	1



Straight mobile plugs extra-low voltage IP67

Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	50/60Hz	24	■	2P	-	<b>477003</b>	1
	50/60Hz	24	■	3P	-	<b>477063</b>	1
	50/60Hz	42	○	2P	12	<b>477103</b>	1
	50/60Hz	42	○	3P	12	<b>477113</b>	1
	100/200Hz	24-42	■	2P	4	<b>477013</b>	1
	100/200Hz	24-42	■	3P	4	<b>477123</b>	1
	DC	24-42	○	2P	10	<b>477603</b>	1
	32	50/60Hz	24	■	2P	-	<b>477006</b>
50/60Hz		24	■	3P	-	<b>477066</b>	1
50/60Hz		42	○	2P	12	<b>477106</b>	1
50/60Hz		42	○	3P	12	<b>477116</b>	1
100/200Hz		24-42	■	2P	4	<b>477016</b>	1
100/200Hz		24-42	■	3P	4	<b>477176</b>	1
DC		24-42	○	2P	10	<b>477606</b>	1



# CEE

## Extra low voltage plugs and sockets



Straight mobile plugs for high currents extra low voltage 50/60Hz IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63	48	■	2P	1	<b>477951</b>	1
	48	■	3P	1	<b>477952</b>	1
125	48	■	3P	1	<b>477955</b>	1



90° angled wall-mounted fixed inlets extra low voltage IP44

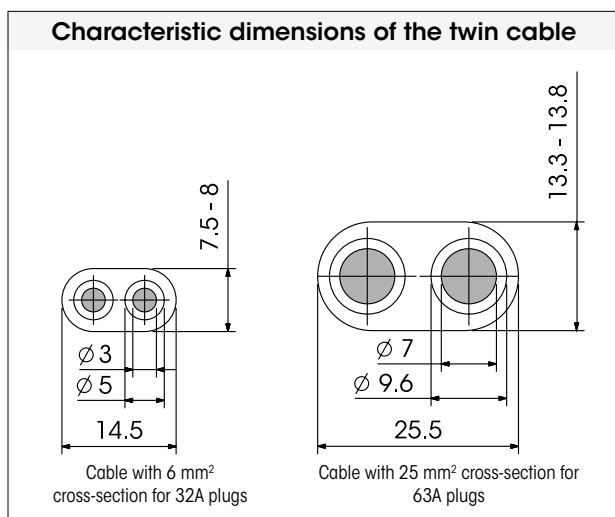
Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	50/60Hz	24	■	2P	-	<b>476002</b>	1
	50/60Hz	24	■	3P	-	<b>476012</b>	1
	50/60Hz	42	□	2P	12	<b>476102</b>	1
	50/60Hz	42	□	3P	12	<b>476112</b>	1
	100/200Hz	24-42	■	2P	4	<b>476042</b>	1
	100/200Hz	24-42	■	3P	4	<b>476142</b>	1
	DC	24-42	□	2P	10	<b>476602</b>	1
	50/60Hz	24	■	2P	-	<b>476005</b>	1
	50/60Hz	24	■	3P	-	<b>476015</b>	1
	50/60Hz	42	□	2P	12	<b>476105</b>	1
32	50/60Hz	42	□	3P	12	<b>476115</b>	1
	100/200Hz	24-42	■	2P	4	<b>476045</b>	1
	100/200Hz	24-42	■	3P	4	<b>476145</b>	1
	DC	24-42	□	2P	10	<b>476605</b>	1

Equipment included: cable gland Pg21.



Straight mobile plugs for twin cable extra low voltage 50/60Hz IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
32	48	□	2P	12	<b>477107</b>	1
63	48	■	2P	1	<b>477901</b>	1





CEE

Extra low voltage plugs and sockets



Couplers  
extra-low voltage  
IP44

Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	50/60Hz	24	●	2P	-	<b>473002</b>	1
	50/60Hz	24	●	3P	-	<b>473062</b>	1
	50/60Hz	42	○	2P	12	<b>473102</b>	1
	50/60Hz	42	○	3P	12	<b>473112</b>	1
	100/200Hz	24-42	●	2P	4	<b>473012</b>	1
	100/200Hz	24-42	●	3P	4	<b>473122</b>	1
	DC	24-42	○	2P	10	<b>473602</b>	1
32	50/60Hz	24	●	2P	-	<b>473005</b>	1
	50/60Hz	24	●	3P	-	<b>473065</b>	1
	50/60Hz	42	○	2P	12	<b>473105</b>	1
	50/60Hz	42	○	3P	12	<b>473115</b>	1
	100/200Hz	24-42	●	2P	4	<b>473015</b>	1
	100/200Hz	24-42	●	3P	4	<b>473125</b>	1
	DC	24-42	○	2P	10	<b>473605</b>	1



Couplers  
extra-low voltage  
IP67

Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	50/60Hz	24	●	2P	-	<b>473003</b>	1
	50/60Hz	24	●	3P	-	<b>473063</b>	1
	50/60Hz	42	○	2P	12	<b>473103</b>	1
	50/60Hz	42	○	3P	12	<b>473113</b>	1
	100/200Hz	24-42	●	2P	4	<b>473013</b>	1
	100/200Hz	24-42	●	3P	4	<b>473123</b>	1
	DC	24-42	○	2P	10	<b>473603</b>	1
32	50/60Hz	24	●	2P	-	<b>473006</b>	1
	50/60Hz	24	●	3P	-	<b>473066</b>	1
	50/60Hz	42	○	2P	12	<b>473106</b>	1
	50/60Hz	42	○	3P	12	<b>473116</b>	1
	100/200Hz	24-42	●	2P	4	<b>473016</b>	1
	100/200Hz	24-42	●	3P	4	<b>473126</b>	1
	DC	24-42	○	2P	10	<b>473606</b>	1



Straight mobile socket-outlets  
for high currents  
extra low voltage  
50/60Hz IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63	48	●	2P	1	<b>473951</b>	1
	48	●	3P	1	<b>473952</b>	1
125	48	●	3P	1	<b>473955</b>	1



Straight mobile socket-outlets  
for twin cable  
extra low voltage  
50/60Hz IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
32	48	●	2P	12	<b>473107</b>	1
63	48	●	2P	1	<b>473901</b>	1



90° angled  
wall-mounted socket-outlets  
extra low voltage  
IP44

Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	50/60Hz	24	●	2P	-	<b>471002</b>	1
	50/60Hz	24	●	3P	-	<b>471012</b>	1
	50/60Hz	42	○	2P	12	<b>471102</b>	1
	50/60Hz	42	○	3P	12	<b>471112</b>	1
	100/200Hz	24-42	●	2P	4	<b>471011</b>	1
	100/200Hz	24-42	●	3P	4	<b>471151</b>	1
	DC	24-42	○	2P	10	<b>471602</b>	1
32	50/60Hz	24	●	2P	-	<b>471005</b>	1
	50/60Hz	24	●	3P	-	<b>471015</b>	1
	50/60Hz	42	○	2P	12	<b>471105</b>	1
	50/60Hz	42	○	3P	12	<b>471115</b>	1
	100/200Hz	24-42	●	2P	4	<b>471018</b>	1
	100/200Hz	24-42	●	3P	4	<b>471019</b>	1
	DC	24-42	○	2P	10	<b>471605</b>	1

Equipment included : cable gland Pg21.





CEE

Extra low voltage plugs and sockets



Flush-mounted straight fixed socket-outlets extra low voltage IP44

Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	50/60Hz	24	■	2P	-	<b>471032</b>	1
	50/60Hz	24	■	3P	-	<b>471042</b>	1
	50/60Hz	42	○	2P	12	<b>471132</b>	1
	50/60Hz	42	○	3P	12	<b>471142</b>	1
	100/200Hz	24-42	■	2P	4	<b>471051</b>	1
	100/200Hz	24-42	■	3P	4	<b>471022</b>	1
	DC	24-42	○	2P	10	<b>471632</b>	1
32	50/60Hz	24	■	2P	-	<b>471035</b>	1
	50/60Hz	24	■	3P	-	<b>471045</b>	1
	50/60Hz	42	○	2P	12	<b>471135</b>	1
	50/60Hz	42	○	3P	12	<b>471145</b>	1
	100/200Hz	24-42	■	2P	4	<b>471108</b>	1
	100/200Hz	24-42	■	3P	4	<b>471118</b>	1
	DC	24-42	○	2P	10	<b>471635</b>	1



Flush-mounted straight fixed socket-outlets extra low voltage IP67

Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	50/60Hz	24	■	2P	-	<b>471003</b>	1
	50/60Hz	24	■	3P	-	<b>471063</b>	1
	50/60Hz	42	○	2P	12	<b>471103</b>	1
	50/60Hz	42	○	3P	12	<b>471113</b>	1
	100/200Hz	24-42	■	2P	4	<b>471013</b>	1
	100/200Hz	24-42	■	3P	4	<b>471123</b>	1
	DC	24-42	○	2P	10	<b>471603</b>	1
32	50/60Hz	24	■	2P	-	<b>471007</b>	1
	50/60Hz	24	■	3P	-	<b>471067</b>	1
	50/60Hz	42	○	2P	12	<b>471107</b>	1
	50/60Hz	42	○	3P	12	<b>471117</b>	1
	100/200Hz	24-42	■	2P	4	<b>471017</b>	1
	100/200Hz	24-42	■	3P	4	<b>471177</b>	1
	DC	24-42	○	2P	10	<b>471607</b>	1



Flush-mounted straight socket-outlets for high currents extra low voltage 50/60Hz IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63	48	■	2P	1	<b>473971</b>	1
	48	■	3P	1	<b>473972</b>	1
125	48	■	3P	1	<b>473975</b>	1



20° angled flush-mounted socket-outlets extra low voltage IP44

Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	50/60Hz	24	■	2P	-	<b>471062</b>	1
	50/60Hz	24	■	3P	-	<b>471072</b>	1
	50/60Hz	42	○	2P	12	<b>471162</b>	1
	50/60Hz	42	○	3P	12	<b>471172</b>	1
	100/200Hz	24-42	■	2P	4	<b>471111</b>	1
	100/200Hz	24-42	■	3P	4	<b>471122</b>	1
	DC	24-42	○	2P	10	<b>471662</b>	1
32	50/60Hz	24	■	2P	-	<b>471065</b>	1
	50/60Hz	24	■	3P	-	<b>471075</b>	1
	50/60Hz	42	○	2P	12	<b>471165</b>	1
	50/60Hz	42	○	3P	12	<b>471175</b>	1
	100/200Hz	24-42	■	2P	4	<b>471058</b>	1
	100/200Hz	24-42	■	3P	4	<b>471059</b>	1
	DC	24-42	○	2P	10	<b>471665</b>	1



15° angled flush-mounted socket-outlets for high currents extra low voltage 50/60Hz IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63	48	■	2P	1	<b>473961</b>	1
	48	■	3P	1	<b>473962</b>	1
125	48	■	3P	1	<b>473965</b>	1



# ALUMAX

Plugs and sockets for high amperages

Body material	Aluminium alloy
Treatment of pins/receptacles	Silver plating
Colour	Natural
Protection rating	IP67
Impact resistance	IK10
Ambient operating temperature	-30°C - +60°C
Ambient storage temperature	-50°C - +90°C
Rated current	250A - 320A - 400A
Operating voltage	Up to 1000V
Insulation voltage	1000V
Operating frequency	50/60Hz
Terminal type	250A screw type for cable lugs 320A and 400A crimp or solder types



## DIRECTIVES

2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

IEC/EN 60309-1  
IEC/EN 63000

### Cable features:

Rated current (A)	Poles	Entry cable diameter (mm)	Entry cable cross-section (mm <sup>2</sup> )
250	3P+⊕	21 - 42	50 - 70
	3P+N+⊕		
320	3P+⊕	38 - 62	120
	3P+N+⊕		
400	3P+⊕	38 - 62	150
	3P+N+⊕		



Straight mobile plugs in aluminium alloy for high amperages 50/60Hz IP67

Rated current (A)	Poles	No. of pilot contacts (mm <sup>2</sup> )	Palazzoli code	Pack Qty
250	3P+⊕	2x10	<b>750530</b>	1
	3P+N+⊕	2x6	<b>750550</b>	1
320	3P+N+⊕	2x6	<b>750650</b>	1
400	3P+N+⊕	2x6	<b>750750</b>	1

Notes: up to 660A available on request.

### Technical accessories:



Flush-mounted straight plugs in aluminium alloy for high amperages 50/60Hz IP67

Rated current (A)	Poles	No. of pilot contacts (mm <sup>2</sup> )	Palazzoli code	Pack Qty
250	3P+⊕	2x10	<b>751530</b>	1
	3P+N+⊕	2x6	<b>751550</b>	1
320	3P+N+⊕	2x6	<b>751650</b>	1
400	3P+N+⊕	2x6	<b>751750</b>	1

Notes: up to 660A available on request.



Straight mobile socket-outlets in aluminium alloy for high amperages 50/60Hz IP67

Rated current (A)	Poles	No. of pilot contacts (mm <sup>2</sup> )	Palazzoli code	Pack Qty
250	3P+⊕	2x10	<b>760530</b>	1
	3P+N+⊕	2x6	<b>760550</b>	1
320	3P+N+⊕	2x6	<b>760650</b>	1
400	3P+N+⊕	2x6	<b>760750</b>	1

Notes: up to 660A available on request.



Flush-mounted straight socket-outlets in aluminium alloy for high amperages 50/60Hz IP67

Rated current (A)	Poles	No. of pilot contacts (mm <sup>2</sup> )	Palazzoli code	Pack Qty
250	3P+⊕	2x10	<b>761530</b>	1
	3P+N+⊕	2x6	<b>761550</b>	1
320	3P+N+⊕	2x6	<b>761650</b>	1
400	3P+N+⊕	2x6	<b>761750</b>	1

Notes: up to 660A available on request.



# Interlocked socket-outlets

## STANDARD APPLICATIONS



### TOPTER

Compact vertical interlocked socket-outlets in technopolymer  
Page 81



### PRIMA

Compact horizontal interlocked socket-outlets in technopolymer  
Page 92

## ROTOSWITCHED SOCKET-OUTLETS



### ROTOR

Interlocked socket-outlets in technopolymer with rotoswitch  
Page 99

## HEAVY-DUTY APPLICATIONS



### TAIS

Increased safety interlocked socket-outlets in thermosetting GRP  
Page 108



### ULYSSE

Pre-wired quick-mounting interlocked socket-outlets in thermosetting GRP  
Page 120



### ALUPRES

Interlocked socket-outlets in high-resistance marine aluminium  
Page 130



### ALUMAX

Socket-outlets with electrical interlock in steel for high amperages  
Page 140

## EASY COMPOSER

Software for the design and cost estimate of distribution boards.

- ✓ Select the distribution board
- ✓ Compose your distribution board
- ✓ Calculate the cost estimate
- ✓ Download the certificates





# INTERLOCKED SOCKET-OUTLETS IN TECHNOPOLYMER from 16A to 125A

Standard applications

				TOPTER series				PRIMA series			
Rated current (A)	Rated voltage (V)	Poles	h ref.	Direct supply IP44	With fuses IP44	Direct supply IP66/IP67	With fuses IP66/IP67	Direct supply IP44	With fuses IP44	Direct supply IP55	With fuses IP55
16	110 100-130	2P+⊕	4	<b>492124</b>	<b>190124</b>	<b>491124</b>	<b>490124</b>	<b>493124</b>	<b>494124</b>	<b>495124</b>	<b>496124</b>
		3P+⊕	4			<b>491134</b>	<b>490134</b>			<b>495134</b>	<b>496134</b>
		3P+N+⊕	4			<b>491144</b>	<b>490144</b>			<b>495144</b>	<b>496144</b>
	230 200-250	2P+⊕	6	<b>492126</b>	<b>190126</b>	<b>491126</b>	<b>490126</b>	<b>493126</b>	<b>494126</b>	<b>495126</b>	<b>496126</b>
		3P+⊕	9			<b>491139</b>	<b>490139</b>			<b>495139</b>	<b>496139</b>
		3P+N+⊕	9			<b>491149</b>	<b>490149</b>			<b>495149</b>	<b>496149</b>
	400 380-415	2P+⊕	9			<b>491129</b>	<b>490129</b>			<b>495129</b>	<b>496129</b>
		3P+⊕	6	<b>492136</b>	<b>190136</b>	<b>491136</b>	<b>490136</b>	<b>493136</b>	<b>494136</b>	<b>495136</b>	<b>496136</b>
		3P+N+⊕	6	<b>492146</b>	<b>190146</b>	<b>491146</b>	<b>490146</b>	<b>493146</b>	<b>494146</b>	<b>495146</b>	<b>496146</b>
	500 480-500	3P+⊕	7								
3P+N+⊕		7									
32	110 100-130	2P+⊕	4			<b>491224</b>	<b>490224</b>			<b>495224</b>	<b>496224</b>
		3P+⊕	4			<b>491234</b>	<b>490234</b>			<b>495234</b>	<b>496234</b>
		3P+N+⊕	4			<b>491244</b>	<b>490244</b>			<b>495244</b>	<b>496244</b>
	230 200-250	2P+⊕	6	<b>492226</b>	<b>190226</b>	<b>491226</b>	<b>490226</b>	<b>493226</b>	<b>494226</b>	<b>495226</b>	<b>496226</b>
		3P+⊕	9			<b>491239</b>	<b>490239</b>			<b>495239</b>	<b>496239</b>
		3P+N+⊕	9			<b>491249</b>	<b>490249</b>			<b>495249</b>	<b>496249</b>
	400 380-415	2P+⊕	9			<b>491229</b>	<b>490229</b>			<b>495229</b>	<b>496229</b>
		3P+⊕	6	<b>492236</b>	<b>190236</b>	<b>491236</b>	<b>490236</b>	<b>493236</b>	<b>494236</b>	<b>495236</b>	<b>496236</b>
		3P+N+⊕	6	<b>492246</b>	<b>190246</b>	<b>491246</b>	<b>490246</b>	<b>493246</b>	<b>494246</b>	<b>495246</b>	<b>496246</b>
	500 480-500	3P+⊕	7								
3P+N+⊕		7									
380-440	3P+⊕	3			<b>491233</b>	<b>490233</b>			<b>495233</b>	<b>496233</b>	
63	110 100-130	2P+⊕	4			<b>481324</b>	<b>480324</b>				
		3P+⊕	4			<b>481334</b>	<b>480334</b>				
		3P+N+⊕	4			<b>481344</b>	<b>480344</b>				
	230 200-250	2P+⊕	6			<b>481326</b>	<b>480326</b>				
		3P+⊕	9			<b>481339</b>	<b>480339</b>				
		3P+N+⊕	9			<b>481349</b>	<b>480349</b>				
	400 380-415	2P+⊕	9			<b>481329</b>	<b>480329</b>				
		3P+⊕	6			<b>481336</b>	<b>480336</b>				
		3P+N+⊕	6			<b>481346</b>	<b>480346</b>				
	500 480-500	3P+⊕	7								
3P+N+⊕		7									
125	400 380-415	3P+⊕	6								
		3P+N+⊕	6								
	500 480-500	3P+⊕	7								
		3P+N+⊕	7								

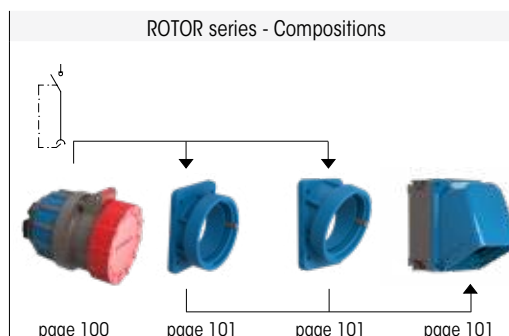
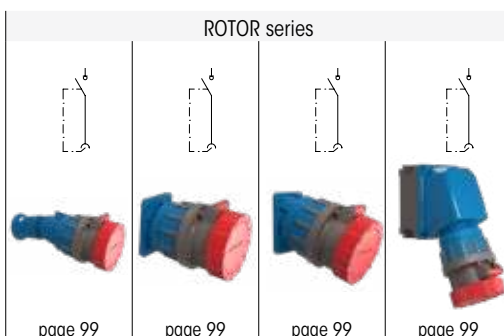
## EXTRA-LOW VOLTAGE

				TOPTER series	PRIMA series
Rated current (A)	Rated voltage (V)	Poles	h ref.	Self-protected with transformer 150VA IP66/IP67	Self-protected with transformer 150VA IP55
16	230/24	2P	-	<b>490024</b>	<b>496024</b>



# INTERLOCKED SOCKET-OUTLETS IN TECHNOPOLYMER from 16A to 125A

Heavy-duty applications



Rated current (A)	Rated voltage (V)	Poles	h ref.	ROTOR series				ROTOR series - Compositions			
				Straight mobile rotoswitches IP66/IP67/IP69	Straight rotoswitches IP66/IP67/IP69	Angled rotoswitches IP66/IP67/IP69	65° angled wall-mounted rotoswitches IP66/IP67/IP69	Rotoswitch inserts IP66/IP67/IP69	Straight panel-mounted flanges IP66/IP67/IP68/IP69	20° angled panel-mounted flanges IP66/IP67/IP68/IP69	65° angled wall-mounted boxes IP66/IP67/IP68/IP69
16	110 100-130	2P+⊕	4	410124	412124	413124	416124	419124	419021	419031	532131
		3P+⊕	4	410134				419134	419022	419032	532131
		3P+N+⊕	4	410144				419144	419023	419033	532131
	230 200-250	2P+⊕	6	410126	412126	413126	416126	419126	419021	419031	532131
		3P+⊕	9	410139				419139	419022	419032	532131
		3P+N+⊕	9	410149				419149	419023	419033	532131
	400 380-415	2P+⊕	9	410129				419129	419021	419031	532131
		3P+⊕	6	410136	412136	413136	416136	419136	419022	419032	532131
		3P+N+⊕	6	410146	412146	413146	416146	419146	419023	419033	532131
	500 480-500	3P+⊕	7	410137				419137	419022	419032	532131
		3P+N+⊕	7	410147				419147	419023	419033	532131
	32	110 100-130	2P+⊕	4	410224	412224	413224	416224	419224	419023	419033
3P+⊕			4	410234				419234	419023	419033	532131
3P+N+⊕			4	410244				419244	419024	419034	532132
230 200-250		2P+⊕	6	410226	412226	413226	416226	419226	419023	419033	532131
		3P+⊕	9	410239				419239	419023	419033	532131
		3P+N+⊕	9	410249				419249	419024	419034	532132
400 380-415		2P+⊕	9	410229				419229	419023	419033	532131
		3P+⊕	6	410236	412236	413236	416236	419236	419023	419033	532131
		3P+N+⊕	6	410246	412246	413246	416246	419246	419024	419034	532132
500 480-500		3P+⊕	7	410237				419237	419023	419033	532131
		3P+N+⊕	7	410247				419247	419024	419034	532132
380-440		3P+⊕	3	410233	412233			419233	419023	419033	532131
63	110 100-130	2P+⊕	4	410324				419324	419025	419035	532132
		3P+⊕	4	410334				419334	419025	419035	532132
		3P+N+⊕	4	410344				419344	419025	419035	532132
	230 200-250	2P+⊕	6	410326	412326	413326	416326	419326	419025	419035	532132
		3P+⊕	9	410339				419339	419025	419035	532132
		3P+N+⊕	9	410349				419349	419025	419035	532132
	400 380-415	2P+⊕	9	410329				419329	419025	419035	532132
		3P+⊕	6	410336	412336	413336	416336	419336	419025	419035	532132
		3P+N+⊕	6	410346	412346	413346	416346	419346	419025	419035	532132
	500 480-500	3P+⊕	7	410337				419337	419025	419035	532132
		3P+N+⊕	7	410347				419347	419025	419035	532132
	125	400 380-415	3P+⊕	6	410436	412436	413436	416436	419436	419026	419036
3P+N+⊕			6	410446	412446	413446	416446	419446	419026	419036	532133
500 480-500		3P+⊕	7	410437				419437	419026	419036	532133
		3P+N+⊕	7	410447				419447	419026	419036	532133



The rotoswitch inserts can be installed:

- on straight or angled panel-mounted flanges.
- on the boxes by using straight or angled flanges to achieve 65° or 85° angled connections and reduce overall dimensions.



# INTERLOCKED SOCKET-OUTLETS IN THERMOSETTING GRP from 16A to 125A



Heavy-duty applications

Rated current (A)	Rated voltage (V)	Poles	h ref.	TAIS series									
				With fuses IP66/IP67/IP69	With fuses IP66/IP67/IP69	Direct supply IP66/IP67/IP69	Direct supply IP66/IP67/IP69	With MCB IP66/IP67/IP69	With DIN rail IP66/IP67/IP69	With electrical interlock IP67	With electrical interlock and RCD IP67		
16	110 100-130	2P+⊕	4	<b>472610</b>				<b>467124</b>	<b>474210</b>				
		3P+⊕	4	<b>472710</b>					<b>474310</b>				
		3P+N+⊕	4	<b>472810</b>					<b>474410</b>				
	230 200-250	2P+⊕	6	<b>472620</b>		<b>470126</b>	<b>467126</b>	<b>474220</b>	<b>472020</b>				
		3P+⊕	9	<b>472720</b>					<b>474320</b>				
		3P+N+⊕	9	<b>472820</b>					<b>474420</b>				
	400 380-415	2P+⊕	9	<b>472630</b>					<b>474230</b>				
		3P+⊕	6	<b>472730</b>		<b>470136</b>	<b>467136</b>	<b>474330</b>	<b>472130</b>				
		3P+N+⊕	6	<b>472830</b>		<b>470146</b>	<b>467146</b>	<b>474430</b>	<b>472240</b>				
	500 480-500	3P+⊕	7	<b>472750</b>									
		3P+N+⊕	7	<b>472840</b>									
	32	110 100-130	2P+⊕	4	<b>468224</b>	<b>472611</b>				<b>474611</b>			
3P+⊕			4	<b>468234</b>	<b>472711</b>				<b>474711</b>				
3P+N+⊕			4		<b>472811</b>				<b>474811</b>				
230 200-250		2P+⊕	6	<b>468226</b>	<b>472621</b>	<b>469226</b>	<b>470226</b>	<b>474621</b>	<b>472021</b>				
		3P+⊕	9	<b>468239</b>	<b>472721</b>				<b>474721</b>				
		3P+N+⊕	9		<b>472821</b>				<b>474821</b>				
400 380-415		2P+⊕	9	<b>468226</b>	<b>472631</b>				<b>474631</b>				
		3P+⊕	6	<b>468236</b>	<b>472731</b>	<b>469236</b>	<b>470236</b>	<b>474731</b>	<b>472131</b>				
		3P+N+⊕	6		<b>472831</b>			<b>470246</b>	<b>474831</b>	<b>472241</b>			
500 480-500		3P+⊕	7	<b>472751</b>									
		3P+N+⊕	7	<b>472841</b>									
380-440		3P+⊕	3	<b>468233</b>	<b>472771</b>	<b>469233</b>	<b>470233</b>	<b>474771</b>	<b>472133</b>				
63	110 100-130	2P+⊕	4		<b>472612</b>				<b>474612</b>				
		3P+⊕	4		<b>472712</b>				<b>474712</b>				
		3P+N+⊕	4		<b>472812</b>				<b>474812</b>				
	230 200-250	2P+⊕	6		<b>472622</b>		<b>470326</b>	<b>474622</b>	<b>472022</b>				
		3P+⊕	9		<b>472722</b>				<b>474722</b>				
		3P+N+⊕	9		<b>472822</b>				<b>474822</b>				
	400 380-415	2P+⊕	9		<b>472632</b>				<b>474632</b>				
		3P+⊕	6		<b>472732</b>		<b>470336</b>	<b>474732</b>	<b>472132</b>	<b>478336</b>	<b>476336</b>		
		3P+N+⊕	6		<b>472832</b>		<b>470346</b>	<b>474832</b>	<b>472242</b>	<b>478346</b>	<b>476346</b>		
	500 480-500	3P+⊕	7		<b>472752</b>					<b>478337</b>	<b>476337</b>		
		3P+N+⊕	7		<b>472842</b>					<b>478347</b>	<b>476347</b>		
	125	400 380-415	3P+⊕	6		<b>482436</b>		<b>480436</b>	<b>484436</b>	<b>483436</b>	<b>478436</b>	<b>476436</b>	
3P+N+⊕			6		<b>482446</b>		<b>480446</b>	<b>484446</b>	<b>483446</b>	<b>478446</b>	<b>476446</b>		
500 480-500		3P+⊕	7		<b>482437</b>		<b>480437</b>	<b>484437</b>		<b>478437</b>	<b>476437</b>		
		3P+N+⊕	7		<b>482447</b>		<b>480447</b>	<b>484447</b>		<b>478447</b>	<b>476447</b>		

## EXTRA-LOW VOLTAGE

Rated current (A)	Rated voltage (V)	Poles	h ref.	TAIS series		
				Self-protected with transformer 150VA IP66/IP67/IP69	With transformer and fuses 250VA IP67	With transformer and fuses 750VA IP67
16	230/24	2P	-	<b>469873</b>	<b>471873</b>	
32	230/48	2P	-			<b>471819</b>



# INTERLOCKED SOCKET-OUTLETS IN THERMOSETTING GRP AND ALUMINIUM from 16A to 125A

Heavy-duty applications

INTERLOCKED  
SOCKET-OUTLETS

Rated current (A)	Poles	h ref.	ULYSSE series			
			With fuses IP66/IP67	Direct supply IP66/IP67	With MCB IP66/IP67	With DIN rail IP66/IP67
16	2P+≍	4	400124		403124	
	3P+≍	4	400134		403134	
	3P+N+≍	4	400144		403144	
	2P+≍	6	400126	408126	403126	406126
	3P+≍	9	400139		403139	
	3P+N+≍	9	400149		403149	
	2P+≍	9	400129		403129	
	3P+≍	6	400136	408136	403136	406136
	3P+N+≍	6	400146	408146	403146	406146
	3P+≍	7	400137			
3P+N+≍	7	400147				
32	2P+≍	4	400224		403224	
	3P+≍	4	400234		403234	
	3P+N+≍	4	400244		403244	
	2P+≍	6	400226	408226	403226	406226
	3P+≍	9	400239		403239	
	3P+N+≍	9	400249		403249	
	2P+≍	9	400229		403229	
	3P+≍	6	400236	408236	403236	406236
	3P+N+≍	6	400246	408246	403246	406246
	3P+≍	7	400237			
3P+N+≍	7	400247				
63	3P+≍	3	400233	408233	403233	406233
	2P+≍	4	400324		403324	
	3P+≍	4	400334		403334	
	3P+N+≍	4	400344		403344	
	2P+≍	6	400326	408326	403326	406326
	3P+≍	9	400339		403339	
	3P+N+≍	9	400349		403349	
	2P+≍	9	400329		403329	
	3P+≍	6	400336	408336	403336	406336
	3P+N+≍	6	400346	408346	403346	406346
125	3P+≍	7	400337			
	3P+N+≍	7	400347			
	3P+≍	6				
	3P+N+≍	6				

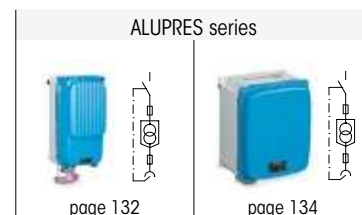
Rated current (A)	Poles	h ref.	ALUPRES series					
			With fuses IP66/IP67/IP69	Direct supply IP66/IP67/IP69	With MCB IP66/IP67/IP69	With DIN rail IP66/IP67/IP69	With electrical interlock IP65	With electrical interlock and RCD IP65
16	2P+≍	4	472233		474633			
	3P+≍	4	472243		474643			
	3P+N+≍	4	472253		474653			
	2P+≍	6	472333	466126	474733	472623		
	3P+≍	9	472343		474743			
	3P+N+≍	9	472353		474753			
	2P+≍	9	472433		474833			
	3P+≍	6	472443	466136	474843	472733		
	3P+N+≍	6	472453	466146	474853	472843		
	3P+≍	7	472543					
32	2P+≍	4	472236		474236			
	3P+≍	4	472246		474246			
	3P+N+≍	4	472256		474256			
	2P+≍	6	472336	460226	474336	472624		
	3P+≍	9	472346		474346			
	3P+N+≍	9	472356		474356			
	2P+≍	9	472436		474436			
	3P+≍	6	472446	460236	474446	472734		
	3P+N+≍	6	472456	460246	474456	472844		
	3P+≍	7	472546					
63	3P+≍	3	472486		474486	472735		
	2P+≍	4	472237		474237			
	3P+≍	4	472247		474247			
	3P+N+≍	4	472257		474257			
	2P+≍	6	472337	460326	474337	472027		
	3P+≍	9	472347		474347			
	3P+N+≍	9	472357		474357			
	2P+≍	9	472437		474437			
	3P+≍	6	472447	460336	474447	472137	475336	473336
	3P+N+≍	6	472457	460346	474457	472647	475346	473346
125	3P+≍	7	472547	472547			475337	473337
	3P+N+≍	7	472557	472557			475347	473347
	3P+≍	6	472418	460436		472648	475436	473436
	3P+N+≍	6	472428	460446		472649	475446	473446

## EXTRA-LOW VOLTAGE



Rated current (A)	Rated voltage (V)	Poles	h ref.	Self-protected with transformer 150VA IP66/IP67
16	230/24	2P	-	409873

## EXTRA-LOW VOLTAGE



Rated current (A)	Rated voltage (V)	Poles	h ref.	With transformer and fuses 250VA IP66/IP67/IP69	With transformer and fuses 720VA IP66/IP67/IP69
16	230/24	2P	-	471812	
32	230/48	2P	-		471818

# TOPTER





## TOPTER

Compact vertical interlocked socket-outlets in technopolymer

## ADVANTAGES



1

The socket insert is integrated in the body so that there are no screws that can result in weak points.

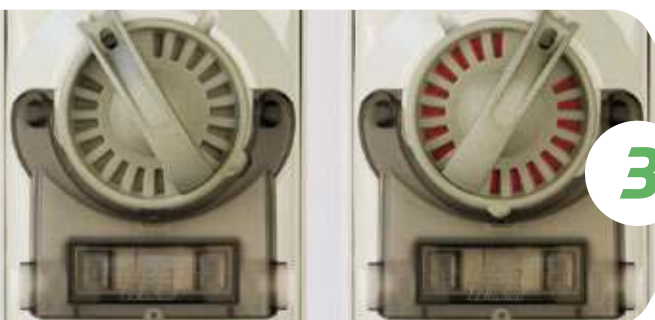
The fuse holder base is protected by a door with an ergonomic opening mechanism and indestructible keys. In the closing phase, the lid closes the fuse holders that have remained open.

2



3

The patented high visibility handle allows even the most inexperienced user to understand the status of the switch at a glance.



The auxiliary contact indicates if the plug is properly plugged in and can be used in electrical and automation safety circuits.

4



For quick and easy installation, scan the QR code.





# TOPTER

Compact vertical interlocked socket-outlets in technopolymer



Body material	Technopolymer
Colour	RAL 7035 Light grey
Protection rating	IP44 - IP66/IP67
Impact resistance	IK08
Resistance to abnormal heat and fire	850°C (insert) 650°C (enclosure)
Flammability class	V-2 (insert) HB (enclosure)
Insulation class	II
Ambient operating temperature	-25°C - +50°C
Ambient storage temperature	-30°C - +70°C
Rated current	16A - 32A
Operating voltage	24V - 440V
Insulation voltage	690V
Operating frequency	50/60Hz
Terminal type	Indirect clamping



## DIRECTIVES

2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

IEC/EN 60309-1  
IEC/EN 60309-2  
IEC/EN 60309-4  
IEC/EN 63000

Rated operating current:			16A	32A
Thermal current I <sub>th</sub>		A	16	32
AC-21A	110 V - 400 V	A	16	32
AC-22A	110 V - 400 V	A	16	32
AC-23A	110V	A	16	32
	230V			
	400V			
AC-23A	110V	kW	2.4	4.9
	230V		5.1	10.2
	400V		8.9	17.7
AC-3	110V	kW	2.4	4.9
	230V		5.1	10.2
	400V		8.9	17.7

Wiring data:		16A	32A
Entry cable cross-section	mm <sup>2</sup>	1 - 10	
Tightening torque	Nm	2	



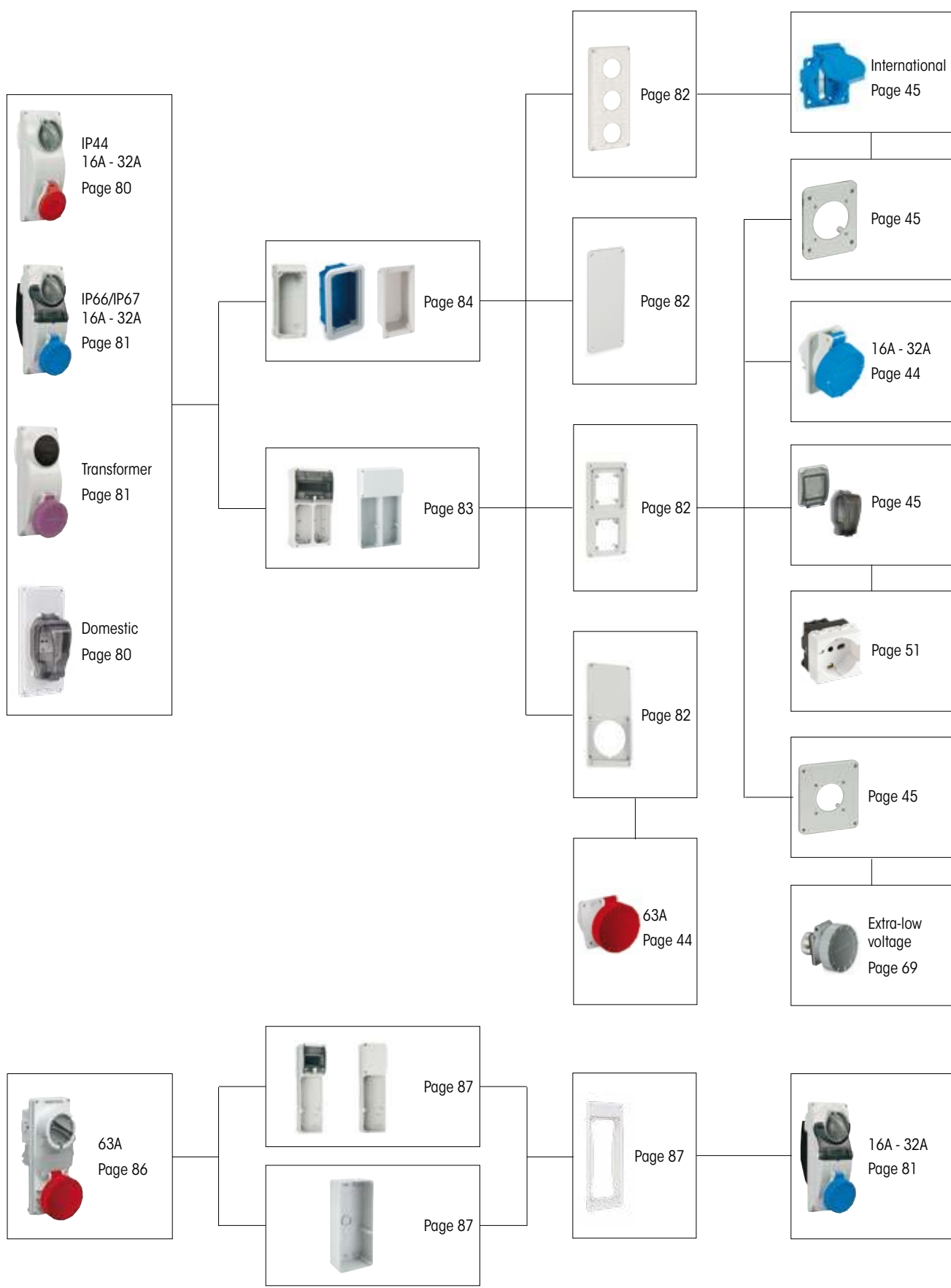


# TOPTER

Compact vertical interlocked socket-outlets in technopolymer

INTERLOCKED  
SOCKET-OUTLETS

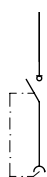
## MODULARITY





# TOPTER

Compact vertical interlocked socket-outlets in technopolymer



Interlocked socket-outlets  
for distribution board  
50/60Hz IP44

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	Yellow	2P+⊕	4	<b>492124</b>	1
	230	Blue	2P+⊕	6	<b>492126</b>	1
	400	Red	3P+⊕	6	<b>492136</b>	1
	400	Red	3P+N+⊕	6	<b>492146</b>	1
32	230	Blue	2P+⊕	6	<b>492226</b>	1
	400	Red	3P+⊕	6	<b>492236</b>	1
	400	Red	3P+N+⊕	6	<b>492246</b>	1

**Equipment included:** 4 stainless steel screws for fastening the item to the distribution board or box.  
**Features:** padlockable handle in open or closed position, with max. 3 mm Ø padlock. Ready for 2 auxiliary contacts for plug inserted signalling. Fuses non included.

**Technical accessories:**



Schuko P17/P30 bivalent  
domestic socket  
with watertight cap for plugged-in plug  
IP66

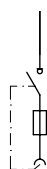
Description	Flange dimensions (mm)	Pins	Pitch	Type	Palazzoli code	Pack Qty
flange with 1 domestic socket type 2P+⊕ 10/16A P30/P17 230V	103x230	Ø 4/4.8	19	P30/P17	<b>579715</b>	1

**Equipment included:** 4 stainless steel screws for fixing the item to the distribution board or box.

**Technical accessories:**



## Examples of combinations

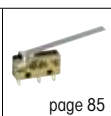


Interlocked socket-outlets  
with fuse holder base  
for distribution board  
50/60Hz IP44

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 10.3x38 fuses	110	Yellow	2P+⊕	4	<b>190124</b>	1
	230	Blue	2P+⊕	6	<b>190126</b>	1
	400	Red	3P+⊕	6	<b>190136</b>	1
	400	Red	3P+N+⊕	6	<b>190146</b>	1
32 10.3x38 fuses	230	Blue	2P+⊕	6	<b>190226</b>	1
	400	Red	3P+⊕	6	<b>190236</b>	1
	400	Red	3P+N+⊕	6	<b>190246</b>	1

**Equipment included:** 4 stainless steel screws for fastening the item to the distribution board or box.  
**Features:** padlockable handle in open or closed position, with max. 3 mm Ø padlock. Ready for 2 auxiliary contacts for plug inserted signalling. Fuses not included.

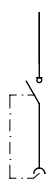
**Technical accessories:**





# TOPTER

Compact vertical interlocked socket-outlets in technopolymer

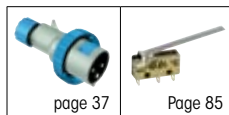


Interlocked socket-outlets for distribution board 50/60Hz IP66/IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty	
16	110	Yellow	2P+⊕	4	<b>491124</b>	1	
	110	Yellow	3P+⊕	4	<b>491134</b>	1	
	110	Yellow	3P+N+⊕	4	<b>491144</b>	1	
	230	Blue	2P+⊕	6	<b>491126</b>	1	
	230	Blue	3P+⊕	9	<b>491139</b>	1	
	230	Blue	3P+N+⊕	9	<b>491149</b>	1	
	400	Red	2P+⊕	9	<b>491129</b>	1	
	400	Red	3P+⊕	6	<b>491136</b>	1	
	400	Red	3P+N+⊕	6	<b>491146</b>	1	
	32	110	Yellow	2P+⊕	4	<b>491224</b>	1
		110	Yellow	3P+⊕	4	<b>491234</b>	1
		110	Yellow	3P+N+⊕	4	<b>491244</b>	1
230		Blue	2P+⊕	6	<b>491226</b>	1	
230		Blue	3P+⊕	9	<b>491239</b>	1	
230		Blue	3P+N+⊕	9	<b>491249</b>	1	
400		Red	2P+⊕	9	<b>491229</b>	1	
400		Red	3P+⊕	6	<b>491236</b>	1	
400		Red	3P+N+⊕	6	<b>491246</b>	1	
380/440		Red	3P+⊕	3	<b>491233</b>	1	

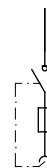
**Equipment included:** 4 stainless steel screws for fastening the item to the distribution board or box.  
**Features:** padlockable handle in open or closed position, with max. 3 mm Ø padlock. Ready for 2 auxiliary contacts for plug inserted signalling. Fuses non included.

**Technical accessories:**



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Interlocked socket-outlets with fuse holder base for distribution board 50/60Hz IP66/IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty	
16 10.3x38 fuses	110	Yellow	2P+⊕	4	<b>490124</b>	1	
	110	Yellow	3P+⊕	4	<b>490134</b>	1	
	110	Yellow	3P+N+⊕	4	<b>490144</b>	1	
	230	Blue	2P+⊕	6	<b>490126</b>	1	
	230	Blue	3P+⊕	9	<b>490139</b>	1	
	230	Blue	3P+N+⊕	9	<b>490149</b>	1	
	400	Red	2P+⊕	9	<b>490129</b>	1	
	400	Red	3P+⊕	6	<b>490136</b>	1	
	400	Red	3P+N+⊕	6	<b>490146</b>	1	
	32 10.3x38 fuses	110	Yellow	2P+⊕	4	<b>490224</b>	1
		110	Yellow	3P+⊕	4	<b>490234</b>	1
		110	Yellow	3P+N+⊕	4	<b>490244</b>	1
230		Blue	2P+⊕	6	<b>490226</b>	1	
230		Blue	3P+⊕	9	<b>490239</b>	1	
230		Blue	3P+N+⊕	9	<b>490249</b>	1	
400		Red	2P+⊕	9	<b>490229</b>	1	
400		Red	3P+⊕	6	<b>490236</b>	1	
400		Red	3P+N+⊕	6	<b>490246</b>	1	
380/440		Red	3P+⊕	3	<b>490233</b>	1	

**Equipment included:** 4 stainless steel screws for fastening the item to the distribution board or box.

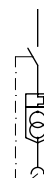
**Features:** padlockable handle in open or closed position, with max. 3 mm Ø padlock. Ready for 2 auxiliary contacts for plug inserted signalling. Fuses non included.

**Technical accessories:**



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Socket-outlet with safety transformer (SELV) for distribution board 50/60Hz IP66/IP67

Rated current (A)	Rated voltage (V)	Poles	Power (VA)	Palazzoli code	Pack Qty
16	230/24	2P	150	<b>490024</b>	1

**Equipment included:** 4 stainless steel screws for fixing the item to the distribution board or box.  
**Features:** transformer with built-in thermal protection, enabled by a plug-activated bipolar microswitch.

**Technical accessories:**



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# TOPTER

Compact vertical interlocked socket-outlets in technopolymer



Flange for mounting  
2 socket-outlets or 2 caps  
in distribution boards  
for topTER socket-outlets with switch  
IP66/IP67

Dimensions (mm)	Total installable devices	Max. No. with 65x83 flange	Max. No. with 88x100 flange	Palazzoli code	Pack Qty
103 x 230	2	2	1	<b>579714</b>	1

**Equipment included:** 1 finishing frame for compact socket-outlets,  
1 blind flange 65 x 83 mm.  
4 stainless steel screws for fixing the item to the distribution board or box.

**Technical accessories:**



Flange for mounting  
3 50x50 international socket-outlets  
in distribution boards  
for topTER socket-outlets with switch  
IP65

Dimensions (mm)	For sockets type	Palazzoli code	Pack Qty
103 x 230	international	<b>579716</b>	1

**Equipment included:** 4 stainless steel screws for fixing the item to the distribution board or box.

**Technical accessories:**

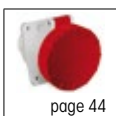


Flange for mounting  
1 63A fixed socket-outlet  
in distribution boards  
for topTER socket-outlets with switch  
IP66/IP67

Dimensions (mm)	63A socket flange dimensions (mm)	Palazzoli code	Pack Qty
103 x 230	100 x 100	<b>579717</b>	1

**Equipment included:** 4 stainless steel screws for fixing the item to the distribution board or box.

**Technical accessories:**



Closing flange  
for distribution boards  
for topTER switched socket-outlets  
IP66/IP67

Dimensions (mm)	Palazzoli code	Pack Qty
103 x 230	<b>579713</b>	1

**Equipment included:** 4 stainless steel screws for fixing the item to the distribution board or box.



# TOPTER

Compact vertical interlocked socket-outlets in technopolymer



Distribution boards with transparent window for the installation of switched topTER socket-outlets IP66

Shape	Installable sockets	Power dissipation (W)	Outer dimensions (mm)	Palazzoli code	Pack Qty
10 modules	2	40	239x456	<b>579742</b>	1
16 modules	3	56	350x456	<b>579743</b>	1
22 modules	4	70	461x456	<b>579744</b>	1

**Equipment included:** DIN rail kit with adjustable supports. Cable clips. Screw cover caps for double insulation. Hinge kit for door opening, modular covers. 1 closing flange for distribution boards 579743 and 579744.  
**Features:** padlockable modular door. Suitable for temporary mounting.



Distribution board with transparent window for the installation of 1 topTER switched socket-outlet IP66

Installable sockets	Power dissipation (W)	Outer dimensions (mm)	Palazzoli code	Pack Qty
1	22	122x395	<b>579741</b>	1

**Equipment included:** DIN rail kit with adjustable supports. Cable clips. Screw cover caps for double insulation and module covers.  
**Features:** padlockable modular door.

**Technical accessories:**



Distribution boards with blind cover for the installation of switched topTER socket-outlets IP66

Shape	Installable sockets	Power dissipation (W)	Outer dimensions (mm)	Palazzoli code	Pack Qty
	1	22	122x395	<b>579721</b>	1
	2	40	250x395	<b>579722</b>	1
	3	56	380x395	<b>579723</b>	1

**Equipment included:** screw cover caps for double insulation.

**Technical accessories:**



Cover with transparent window and DIN rail for topTER distribution boards with blind cover

No. of DIN modules	For distribution board code	Protection rating	Palazzoli code	Pack Qty
5	579721	IP65	<b>579451</b>	1
12	579722	IP55	<b>579452</b>	1
18	579723	IP55	<b>579453</b>	1

**Features:** padlockable modular door.





# TOPTER

Compact vertical interlocked socket-outlets in technopolymer



Wall-mounted  
bottom box  
IP66/IP67

Dimensions (mm)	For sockets type	Palazzoli code	Pack Qty
108 x 260	topTER with lock switch	<b>579710</b>	1

**Equipment included:** screw cover caps for double insulation.

**Technical accessories:**



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Flush-mounted  
bottom box  
IP55

Dimensions (mm)	For sockets type	Palazzoli code	Pack Qty
131 x 258	topTER with lock switch	<b>579712</b>	1

**Features:** they are perfectly symmetrical and do not require an "up-down" direction for installation.



Bottom box  
for panel flush-mounting  
IP66/IP67

Dimensions (mm)	For sockets type	Palazzoli code	Pack Qty
115 x 270	topTER with lock switch	<b>579711</b>	1

**Uses:** they can be mounted in panels in steel sheet and insulating material.



Wall-mounted control unit  
for modular devices  
with padlockable door

Outer dimensions (mm)	No. of DIN modules	Power dissipation (W)	Protection rating	Palazzoli code	Pack Qty
122x158	5	20	IP65	<b>579708</b>	1
250x158	12	40	IP55	<b>579709</b>	1

**Equipment included:** screw cover caps and module covers.

**Technical accessories:**



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Box with cover  
for flush-mounting  
IP56

Outer dimensions (mm)	Inner dimensions (mm)	Palazzoli code	Pack Qty
284x172	236x145x76	<b>575505</b>	1

**Uses:** they allow the installation in panels of sheet metal and insulating material.



Control unit  
for panel-mounting  
IP56

Outer dimensions (mm)	No. of DIN modules	Power dissipation (W)	Palazzoli code	Pack Qty
284x172	12	40	<b>575506</b>	1

**Equipment included:** 2 modular covers.

**Features:** padlockable modular door.

**Uses:** they allow the installation in panels of sheet metal and insulating material.



# TOPTER

Compact vertical interlocked socket-outlets in technopolymer



NO+NC auxiliary contact for plug inserted signalling

For sockets type	Palazzoli code	Pack Qty
topTER industrial and interlocked socket-outlets	<b>579850</b>	1

**Notes:** topTER interlocked socket-outlets can be equipped with 2 auxiliary contacts.



Equipotential bars for earth connection

No. of holes	Connection Type	Palazzoli code	Pack Qty
4	M5 screws for wire ends up to 25 mm <sup>2</sup>	<b>579013</b>	1
10		<b>579014</b>	1

**Equipment included:** connection screws and fixing supports.

**Features:** suitable for use in topTER distribution boards with transparent window of dimensions 239x456 and above.



Module covers

No. of DIN modules	For distribution boards	Palazzoli code	Pack Qty
2	all topTER, PRIMA, ULYSSE, TAIS and TAIS Cube distribution boards	<b>579904</b>	20

**Uses:** allows unused modules, to be covered to achieve the IP40 protection rating.



Coupling fitting with Pg threading for topTER distribution boards IP66

Pg	Mounting hole (mm)	For cable Ø (mm)	Palazzoli code	Pack Qty
21	29	21	<b>580250</b>	1



Transportation handles

For distribution boards	Palazzoli code	Pack Qty
all distribution boards	<b>579011</b>	1



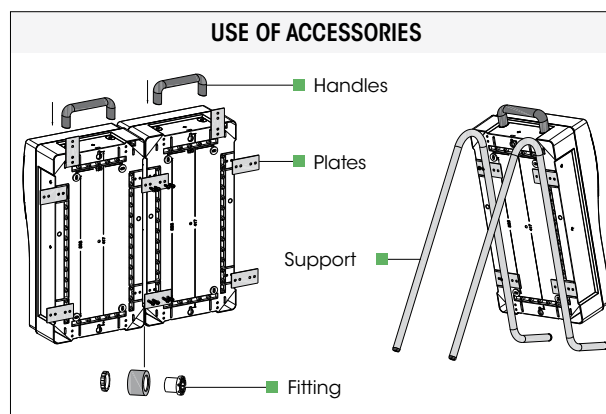
Pair of stainless steel plates for wall mounting of topTER and PRIMA distribution boards

For distribution boards	Palazzoli code	Pack Qty
all topTER and PRIMA distribution boards	<b>579012</b>	10



Universal support for topTER, PRIMA and Energy Go distribution boards

For distribution boards	Palazzoli code	Pack Qty
width 239 mm and above	<b>570010</b>	1





# TOPTER

Compact vertical interlocked socket-outlets in technopolymer

Body material	Technopolymer
Colour	RAL 7035 Light grey
Protection rating	IP65
Impact resistance	IK08
Resistance to abnormal heat and fire	960 °C (insert) 850 °C (enclosure)
Flammability class	V-0 (insert) V-1 (enclosure)
Insulation class	II
Ambient operating temperature	-25°C - +50°C
Ambient storage temperature	-30°C - +70°C
Rated current	63A
Operating voltage	110V - 400V
Insulation voltage	690V
Operating frequency	50/60Hz
Terminal type	Indirect clamping



### DIRECTIVES

2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

### PRODUCT STANDARDS

IEC/EN 60309-1  
IEC/EN 60309-2  
IEC/EN 60309-4  
IEC/EN 63000

Rated operating current:			63A
Thermal current Ith			63
AC-21A	110 V - 400 V	A	63
AC-22A	110 V - 400 V	A	63
AC-23A	110V	A	63
	230V		
	400V		
AC-23A	110V	kW	9.6
	230V		20.1
	400V		34.9
AC-3	110V	kW	7.6
	230V		15.9
	400V		27.7

Wiring data:			63A
Entry cable cross-section	mm <sup>2</sup>		6 - 35
Tightening torque	Nm		3



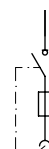
Interlocked socket-outlets for distribution board 50/60Hz IP65



Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63	110	Yellow	2P+⊕	4	481324	1
	110	Yellow	3P+⊕	4	481334	1
	110	Yellow	3P+N+⊕	4	481344	1
	230	Blue	2P+⊕	6	481326	1
	230	Blue	3P+⊕	9	481339	1
	230	Blue	3P+N+⊕	9	481349	1
	400	Red	2P+⊕	9	481329	1
	400	Red	3P+⊕	6	481336	1
	400	Red	3P+N+⊕	6	481346	1

**Equipment included:** 6 stainless steel screws for fastening the item to the distribution board or box.

**Features:** handle padlockable in open or closed position.



Interlocked socket-outlets with fuse holder base for distribution board 50/60Hz IP65



Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63 fuses D02	110	Yellow	2P+⊕	4	480324	1
	110	Yellow	3P+⊕	4	480334	1
	110	Yellow	3P+N+⊕	4	480344	1
	230	Blue	2P+⊕	6	480326	1
	230	Blue	3P+⊕	9	480339	1
	230	Blue	3P+N+⊕	9	480349	1
	400	Red	2P+⊕	9	480329	1
	400	Red	3P+⊕	6	480336	1
	400	Red	3P+N+⊕	6	480346	1

**Equipment included:** 6 stainless steel screws for fastening the item to the distribution board or box.

**Features:** handle padlockable in open or closed position. Fuses not included.

**Technical accessories:**



### EASY CONTACT



The multi-lamellar crown in a silver-plated copper superalloy ensures:

- wider pin-plug contact surface
- easy removal of plugs from socket-outlets
- perfect cleaning of the pin
- a solid and long-lasting electrical contact



# TOPTER

Compact vertical interlocked socket-outlets in technopolymer



Flange for mounting  
2 topTER fixed sockets  
or domoTER caps  
IP55

Dimensions (mm)	Total installable devices	Max. No. with 65x83 flange	Max. No. with 88x100 flange	Palazzoli code	Pack Qty
115x290	2	2	2	<b>579719</b>	1

**Equipment included:** 2 finishing frames for compact sockets. 1 65x83 mm blind flange  
6 stainless steel screws for fixing the item to the distribution board or box.

**Technical accessories:**

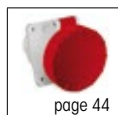


Flange for mounting  
1 CEE 63A socket-outlet or fixed plug  
IP55

Dimensions (mm)	For sockets type	Palazzoli code	Pack Qty
115x290	63A topTER series	<b>579910</b>	1

**Equipment included:** 6 stainless steel screws for fastening the item to the distribution board or box.

**Technical accessories:**



Adapter flange  
for topTER interlocked socket-outlets  
IP65

Dimensions (mm)	For sockets type	Palazzoli code	Pack Qty
115x290	16A and 32A TopTER	<b>579920</b>	1

**Equipment included:** 4 stainless steel screws for fixing the item to the distribution board or box.

**Technical accessories:**



Closing flange  
IP55

Dimensions (mm)	For sockets type	Palazzoli code	Pack Qty
115x290	with interlock and fuse holder base	<b>579902</b>	1

**Equipment included:** 6 stainless steel screws for fastening the item to the distribution board or box.



Distribution boards  
with blind cover for the installation  
of switched socket-outlets  
IP55

Installable sockets	Power dissipation (W)	Dimensions (mm)	Palazzoli code	Pack Qty
1	22	122x452	<b>579421*</b>	1
2	40	250x452	<b>579422</b>	1
3	56	380x452	<b>579423</b>	1

**Equipment included:** screw cover caps for double insulation.

**Features:** \* IP65 protection rating.



Distribution boards  
with transparent window  
for the installation  
of switched socket-outlets  
IP55

Installable sockets	No. of DIN modules	Power dissipation (W)	Outer dimensions (mm)	Palazzoli code	Pack Qty
1	5	22	122x452	<b>579631*</b>	1
2	12	40	250x452	<b>579622</b>	1
3	18	56	380x452	<b>579623</b>	1

**Equipment included:** screw cover caps for double insulation. Modular covers.

**Features:** padlockable modular door.\*IP65 protection rating.



Wall-mounted bottom box  
for installation of 1 63A  
interlocked socket-outlet  
IP55

Dimensions (mm)	For sockets type	Palazzoli code	Pack Qty
115x290	63A topTER interlocked	<b>579400</b>	1

**Equipment included:** screw cover caps for double insulation.

**Technical accessories:**



Bottom box  
for flush-mounting on panel  
and installation of 1 63A socket-outlet  
IP55

Dimensions (mm)	For sockets type	Palazzoli code	Pack Qty
150x300	IP55 with or without 63A fuse holder base	<b>575502</b>	1

**Uses:** they can be mounted in panels in steel sheet and insulating material.

# PRIMA







## PRIMA

Compact horizontal interlocked socket-outlets in technopolymer

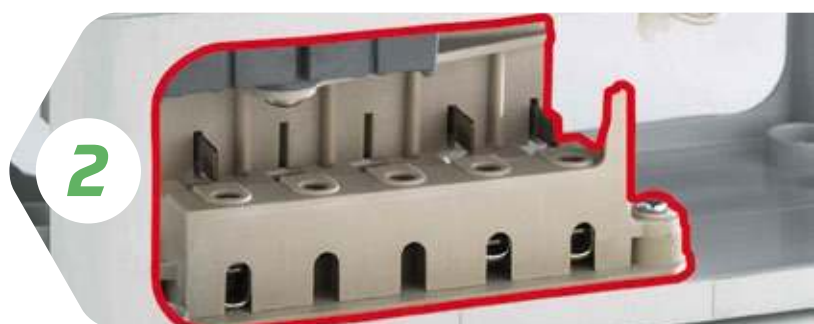
## ADVANTAGES

### FUSE GUARD



PRIMA is the only system of interlocked socket-outlets with fuses that are not directly accessible from the front. This feature makes these sockets particularly suitable for installation in public places, preventing unqualified personnel from working on sensitive protection parts such as fuses.

The special plug-in system allows to comfortably wire the distribution board before mounting the socket. Maintenance is facilitated by the absence of annoying flying cables.



PRIMA is the only system of horizontal sockets to incorporate absolute safety technologies, such as a steel interlock mechanism and an AC3-AC23A class isolator switch at rated current.



The aesthetic design enhances PRIMA's integration in all environments. The rounded shape, the reduced projection (only 6 cm) and the absence of dust and dirt build-up areas facilitate cleaning and hygiene.



For quick and easy installation, scan the QR code.





# PRIMA

Compact horizontal interlocked socket-outlets in technopolymer



Body material	Technopolymer
Colour	RAL 7035 Light grey
Protection rating	IP44 - IP55
Impact resistance	IK08
Resistance to abnormal heat and fire	850°C (insert) 650°C (enclosure)
Flammability class	V-2 (insert) HB (enclosure)
Insulation class	II
Ambient operating temperature	-25°C - +50°C
Ambient storage temperature	-30°C - +70°C
Rated current	16A - 32A
Operating voltage	24V - 440V
Insulation voltage	690V
Operating frequency	50/60Hz
Terminal type	Indirect clamping



## DIRECTIVES

2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

IEC/EN 60309-1  
IEC/EN 60309-2  
IEC/EN 60309-4  
IEC/EN 63000

Rated operating current:		16A	32A
<b>Thermal current I<sub>th</sub></b>	<b>A</b>	<b>16</b>	<b>32</b>
AC-21A	110 V - 400 V	A	16
AC-22A	110 V - 400 V	A	16
AC-23A	110V	A	16
	230V		
	400V		
AC-23A	110V	kW	2.4
	230V		5.1
	400V		8.9
AC-3	110V	kW	2.4
	230V		5.1
	400V		8.9

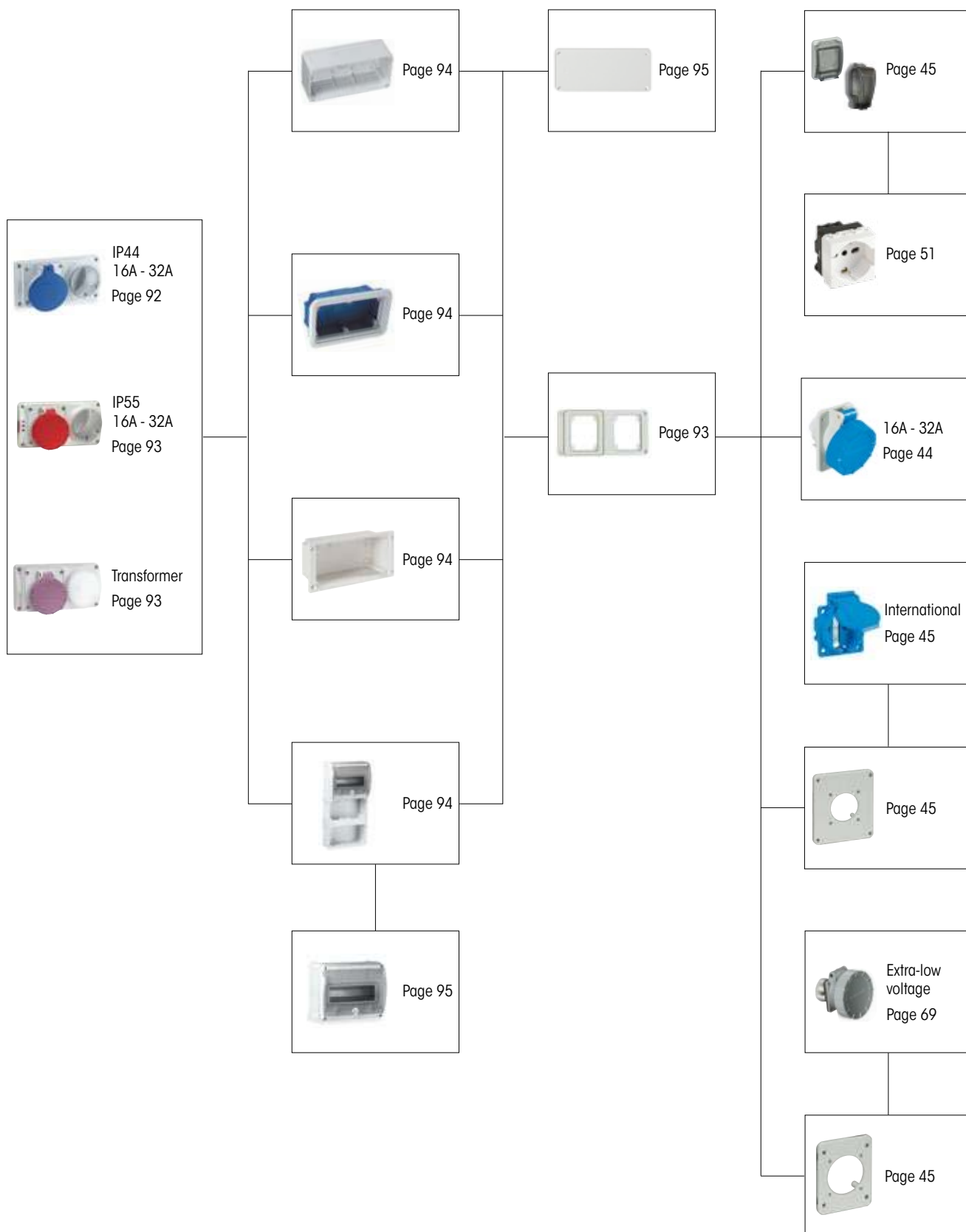
Wiring data:		16A	32A
Entry cable cross-section	mm <sup>2</sup>	1 - 10	
Tightening torque	Nm	2	



# PRIMA

Compact horizontal interlocked socket-outlets in technopolymer

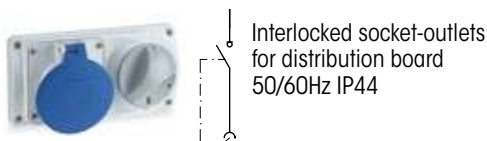
## MODULARITY





# PRIMA

Compact horizontal interlocked socket-outlets in technopolymer



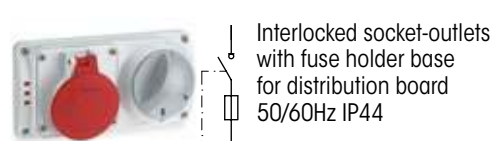
Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	Yellow	2P+ $\neq$	4	<b>493124</b>	1
	230	Blue	2P+ $\neq$	6	<b>493126</b>	1
	400	Red	3P+ $\neq$	6	<b>493136</b>	1
	400	Red	3P+N+ $\neq$	6	<b>493146</b>	1
32	230	Blue	2P+ $\neq$	6	<b>493226</b>	1
	400	Red	3P+ $\neq$	6	<b>493236</b>	1
	400	Red	3P+N+ $\neq$	6	<b>493246</b>	1

**Equipment included:** 4 stainless steel screws for fastening the item to the distribution board or box.  
**Features:** the handle can be padlocked in the open or closed position with max. 3 mm Ø padlock.

**Technical accessories:**



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Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty	
16	110	Yellow	2P+ $\neq$	4	<b>494124</b>	1	
	230	Blue	2P+ $\neq$	6	<b>494126</b>	1	
	10.3x38 fuses	400	Red	3P+ $\neq$	6	<b>494136</b>	1
		400	Red	3P+N+ $\neq$	6	<b>494146</b>	1
32	230	Blue	2P+ $\neq$	6	<b>494226</b>	1	
	10.3x38 fuses	400	Red	3P+ $\neq$	6	<b>494236</b>	1
		400	Red	3P+N+ $\neq$	6	<b>494246</b>	1

**Equipment included:** 4 stainless steel screws for fastening the item to the distribution board or box.  
**Features:** the handle can be padlocked in the open or closed position with max. 3 mm Ø padlock. Fuses not included. Plug-in connection on the power supply line.

**Technical accessories:**



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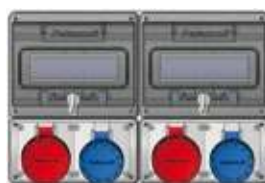
## Examples of combinations



With additional control unit, using code **579612**



Wall-mounted with frame code **579582**



With industrial socket-outlets using flange code **579718** and topTER industrial socket-outlets

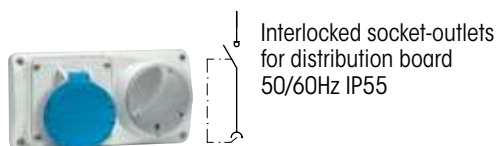


With signal socket-outlets using the spacer kits code **579591**



# PRIMA

Compact horizontal interlocked socket-outlets in technopolymer



Interlocked socket-outlets  
for distribution board  
50/60Hz IP55

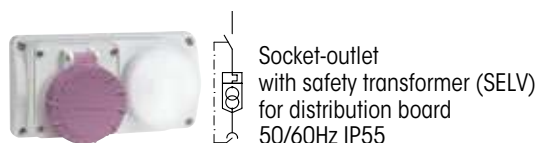
Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	Yellow	2P+⊕	4	<b>495124 *</b>	1
	110	Yellow	3P+⊕	4	<b>495134</b>	1
	110	Yellow	3P+N+⊕	4	<b>495144</b>	1
	230	Blue	2P+⊕	6	<b>495126*</b>	1
	230	Blue	3P+⊕	9	<b>495139</b>	1
	230	Blue	3P+N+⊕	9	<b>495149</b>	1
	400	Red	2P+⊕	9	<b>495129</b>	1
	400	Red	3P+⊕	6	<b>495136*</b>	1
	400	Red	3P+N+⊕	6	<b>495146*</b>	1
	32	110	Yellow	2P+⊕	4	<b>495224*</b>
110		Yellow	3P+⊕	4	<b>495234</b>	1
110		Yellow	3P+N+⊕	4	<b>495244</b>	1
230		Blue	2P+⊕	6	<b>495226*</b>	1
230		Blue	3P+⊕	9	<b>495239</b>	1
230		Blue	3P+N+⊕	9	<b>495249</b>	1
400		Red	2P+⊕	9	<b>495229</b>	1
400		Red	3P+⊕	6	<b>495236*</b>	1
400		Red	3P+N+⊕	6	<b>495246*</b>	1
380/440		Red	3P+⊕	3	<b>495233*</b>	1

**Equipment included:** 4 stainless steel screws for fastening the item to the distribution board or box.  
**Features:** the handle can be padlocked in the open or closed position with max. 3 mm Ø padlock.

**Technical accessories:**



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Socket-outlet  
with safety transformer (SELV)  
for distribution board  
50/60Hz IP55

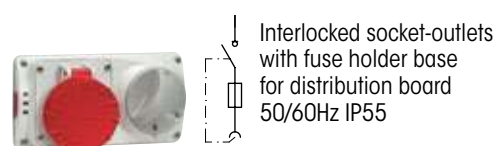
Rated current (A)	Rated voltage (V)	Poles	Power (VA)	Palazzoli code	Pack Qty
16	230/24	2P	150	<b>496024</b>	1

**Equipment included:** 4 stainless steel screws for fastening the item to the distribution board or box.  
**Features:** transformer with built-in thermal protection, enabled by a plug-activated bipolar microswitch.

**Technical accessories:**



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Interlocked socket-outlets  
with fuse holder base  
for distribution board  
50/60Hz IP55

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	Yellow	2P+⊕	4	<b>496124</b>	1
	110	Yellow	3P+⊕	4	<b>496134</b>	1
	110	Yellow	3P+N+⊕	4	<b>496144</b>	1
	230	Blue	2P+⊕	6	<b>496126</b>	1
	230	Blue	3P+⊕	9	<b>496139</b>	1
	230	Blue	3P+N+⊕	9	<b>496149</b>	1
	400	Red	2P+⊕	9	<b>496129</b>	1
	400	Red	3P+⊕	6	<b>496136</b>	1
	400	Red	3P+N+⊕	6	<b>496146</b>	1
	32	110	Yellow	2P+⊕	4	<b>496224</b>
110		Yellow	3P+⊕	4	<b>496234</b>	1
110		Yellow	3P+N+⊕	4	<b>496244</b>	1
230		Blue	2P+⊕	6	<b>496226</b>	1
230		Blue	3P+⊕	9	<b>496239</b>	1
230		Blue	3P+N+⊕	9	<b>496249</b>	1
400		Red	2P+⊕	9	<b>496229</b>	1
400		Red	3P+⊕	6	<b>496236</b>	1
400		Red	3P+N+⊕	6	<b>496246</b>	1
380/440		Red	3P+⊕	3	<b>496233</b>	1

**Equipment included:** 4 stainless steel screws for fastening the item to the distribution board or box.  
**Features:** the handle can be padlocked in the open or closed position with max. 3 mm Ø padlock. Fuses not included. Plug-in connection on the power supply line.

**Technical accessories:**



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Flange  
for mounting 2 topTER fixed sockets  
or 2 topTER caps  
IP55

Total installable devices	Max. No. with 65x83 flange	Max. No. with 88x100 flange	Palazzoli code	Pack Qty
2	2	1	<b>579718</b>	1

**Equipment included:** 4 stainless steel screws for fixing the item to the distribution board or box. Finishing frames for compact socket-outlets. 1 65x83 mm blind flange.  
**Notes:** the flange can be installed on all Prima series distribution boards and boxes except for code 579510.

**Technical accessories:**



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# PRIMA

Compact horizontal interlocked socket-outlets in technopolymer



Distribution boards for PRIMA devices IP55

	Shape	Installable sockets	Power dissipation (W)	Outer dimensions (mm)	Palazzoli code	Pack Qty
9 modules		2	36	212x414	<b>579620</b>	1
blind		2	36	212x414	<b>579621</b>	1
9+9 modules		2	50	424x280	<b>579602</b>	1
9+9 modules		4	70	424x410	<b>579640</b>	1
9 modules		4	70	424x410	<b>579641</b>	1
blind		4	70	424x410	<b>579642</b>	1

**Equipment included:** Screw cover caps for double insulation, modular covers.  
1 closing flange for distribution boards 579620, 579621, 579602.

2 closing flanges for distribution boards 579640, 579641, 579642.

**Features:** padlockable modular door.

**Technical accessories:**



page 170

page 85



Bottom box for wall-mounting IP55

Dimensions (mm)	For sockets type	Palazzoli code	Pack Qty
103x206	PRIMA with lock switch	<b>579500</b>	1

**Equipment included:** screw cover caps for double insulation.

**Technical accessories:**



page 170



Bottom box for flush-mounting IP55

Dimensions (mm)	For sockets type	Palazzoli code	Pack Qty
132.5x235.5	PRIMA with lock switch	<b>579510</b>	1

**Equipment included:** spacer kit.

**Features:** they do not require an "UP-DOWN" direction for installation.

When used with interlocked socket-outlets with fuses, the box must first be flush mounted in the wall. The use of the special kit allows to gain an extra 3 mm in depth.



Bottom box for panel flush-mounting IP55

Dimensions (mm)	For sockets type	Palazzoli code	Pack Qty
115x240	PRIMA with lock switch	<b>575501</b>	1

**Uses:** they enable to mount the socket-outlets in panels in steel sheet and insulating material.



# PRIMA

Compact horizontal interlocked socket-outlets in technopolymer

9 modules



Wall-mounted control unit for modular devices IP55

Description	Power dissipation (W)	Dimensions (mm)	Palazzoli code	Pack Qty
with transparent window 9 modules	36	212x174	<b>579612</b>	1

**Equipment included:** 2 module covers, code 579904. Screw cover caps for double insulation.  
**Features:** padlockable modular door.



Coupling fitting with Pg threading for PRIMA and topTER distribution boards IP66

Pg	Mounting hole (mm)	For cable Ø (mm)	Palazzoli code	Pack Qty
21	29	21	<b>580250</b>	1



Closing flange for PRIMA distribution boards IP55

Dimensions (mm)	Palazzoli code	Pack Qty
206x103	<b>579901</b>	1

**Equipment included:** 4 stainless steel screws for fastening the item to the distribution board.  
**Uses:** enables unused housings of all PRIMA series flanged distribution boards to be closed.



Finishing frames for flush mounting of PRIMA distribution boards

For distribution boards, code	Palazzoli code	Pack Qty
579620 and 579621	<b>579582</b>	1
579640, 579641 and 579642	<b>579584</b>	1



Spacing kits for distribution boards with 4 socket-outlets

Description	Palazzoli code	Pack Qty
a horizontal divider and a vertical divider with friction mounting	<b>579591</b>	1

# ROTOR





## ROTOR

Interlocked socket-outlets in technopolymer with rotoswitch

## ADVANTAGES



1

The safety ring actuates a mechanical interlock that prevents the connection and disconnection of live loads ensuring maximum safety.

The rotoswitched socket-outlet contains an independently operated switch disconnecter capable of driving AC-23A category loads such as motors, fans, pumps, etc.



2

Simplicity is found in the smart cable gland that makes the ROTOR suitable for all types of cables, with a versatility that is unique on the market. It is easily clampable, thanks to the ability to tighten the cable with a screwdriver. The slot of the cable gland can also be used as a hook for suspension.



3

Indirect clamping HD terminals are standard throughout the range. They guarantee the integrity of the cables for an even passage of current and prevent overheating and cable breakage.



4

To see the ROTOR performance assessed by the INRiM laboratory, scan the QR code.





# ROTOR

Interlocked socket-outlets in technopolymer with rotoswitch



Body material	Technopolymer
Colour	Grey RAL 7046 RAL 5015 Sky blue
Protection rating	IP66/IP67
Additional IP rating	IP69
Impact resistance	IK09
Resistance to abnormal heat and fire	960°C (insert) 850°C (enclosure)
Flammability class	V-0 (insert) V-2 (enclosure)
Insulation class	II
Ambient operating temperature	-40°C - +60°C
Ambient storage temperature	-50°C - +90°C
Rated current	16A - 32A - 63A - 125A
Operating voltage	50V - 690V
Insulation voltage	690V
Operating frequency	50Hz/500Hz

**Rated operating current:**

			16A	32A	63A	125A
<b>Thermal current I<sub>th</sub></b>		A	16	32	63	125
AC-21A	110 V - 690 V	A	16	32	63	125
AC-22A	110 V - 690 V	A	16	32	63	125
AC-23A	110V	A	16	32	63	125
	230V					
	400V					
	500V					
	690V					
AC-23A	110V	kW	2.4	4.9	9.6	19.1
	230V		5.1	10.2	20.1	39.8
	400V		8.9	17.7	34.9	69.3
	500V		11.1	22.2	43.6	86.6
	690V		15.3	30.6	60.2	120

**Cable features:**

Rated current (A)	Poles	Cable entry Ø range (mm)	Cable cross-section range (mm <sup>2</sup> )
16	2P+⊕	6.3 - 18	1 - 10
	3P+⊕		
	3P+N+⊕		
32	2P+⊕	11 - 23	1 - 10
	3P+⊕		
	3P+N+⊕		
63	2P+⊕	14 - 36	6 - 25
	3P+⊕		
	3P+N+⊕		
125	2P+⊕	20 - 50	16 - 70
	3P+⊕		
	3P+N+⊕		



**DIRECTIVES**

2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

**PRODUCT STANDARDS**

IEC/EN 60309-1  
IEC/EN 60309-2  
IEC/EN 60309-4  
IEC/EN 63000





# ROTOR

Interlocked socket-outlets in technopolymer with rotoswitch



Straight mobile rotoswitched socket-outlets safety performance 50/60Hz IP66/IP67/IP69

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	Yellow	2P+⊕	4	<b>410124</b>	1
	110	Yellow	3P+⊕	4	<b>410134</b>	1
	110	Yellow	3P+N+⊕	4	<b>410144</b>	1
	230	Blue	2P+⊕	6	<b>410126</b>	1
	230	Blue	3P+⊕	9	<b>410139</b>	1
	230	Blue	3P+N+⊕	9	<b>410149</b>	1
	400	Red	2P+⊕	9	<b>410129</b>	1
	400	Red	3P+⊕	6	<b>410136</b>	1
	400	Red	3P+N+⊕	6	<b>410146</b>	1
	500	Black	3P+⊕	7	<b>410137</b>	1
	500	Black	3P+N+⊕	7	<b>410147</b>	1
	32	110	Yellow	2P+⊕	4	<b>410224</b>
110		Yellow	3P+⊕	4	<b>410234</b>	1
110		Yellow	3P+N+⊕	4	<b>410244</b>	1
230		Blue	2P+⊕	6	<b>410226</b>	1
230		Blue	3P+⊕	9	<b>410239</b>	1
230		Blue	3P+N+⊕	9	<b>410249</b>	1
400		Red	2P+⊕	9	<b>410229</b>	1
400		Red	3P+⊕	6	<b>410236</b>	1
400		Red	3P+N+⊕	6	<b>410246</b>	1
500		Black	3P+⊕	7	<b>410237</b>	1
500		Black	3P+N+⊕	7	<b>410247</b>	1
380-440		Red	3P+⊕	3	<b>410233</b>	1
63	110	Yellow	2P+⊕	4	<b>410324</b>	1
	110	Yellow	3P+⊕	4	<b>410334</b>	1
	110	Yellow	3P+N+⊕	4	<b>410344</b>	1
	230	Blue	2P+⊕	6	<b>410326</b>	1
	230	Blue	3P+⊕	9	<b>410339</b>	1
	230	Blue	3P+N+⊕	9	<b>410349</b>	1
	400	Red	2P+⊕	9	<b>410329</b>	1
	400	Red	3P+⊕	6	<b>410336</b>	1
	400	Red	3P+N+⊕	6	<b>410346</b>	1
	500	Black	3P+⊕	7	<b>410337</b>	1
	500	Black	3P+N+⊕	7	<b>410347</b>	1
	125	110	Yellow	3P+⊕	4	<b>410434</b>
110		Yellow	3P+N+⊕	4	<b>410444</b>	1
230		Blue	3P+⊕	9	<b>410439</b>	1
230		Blue	3P+N+⊕	9	<b>410449</b>	1
400		Red	3P+⊕	6	<b>410436</b>	1
400		Red	3P+N+⊕	6	<b>410446</b>	1
500		Black	3P+⊕	7	<b>410437</b>	1
500		Black	3P+N+⊕	7	<b>410447</b>	1

**Features:** rotoswitches padlockable in position 0 and 1 with padlock code 419000. The sockets are designed to allow for padlocking, either in a stand-alone fashion or connected to the plugs. The padlock must have a min. shackle width of 10.5 mm, a height of 32 mm and a max. wire Ø of 3.5 mm.

**Technical accessories:**



Switch status auxiliary contact for ROTOR 125A socket-outlets

Max power (VA)	Max voltage DC/AC (V)	Max current (mA)	Contact type	Palazzoli code	Pack Qty
3	100	250	1 NO	<b>419010</b>	1



Panel-mounted straight rotoswitched socket-outlets safety performance 50/60Hz IP66/IP67/IP69

Rated current (A)	Rated voltage (V)	Flange dimensions (mm)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	65x83	Yellow	2P+⊕	4	<b>412124</b>	1
	230	65x83	Blue	2P+⊕	6	<b>412126</b>	1
	400	65x83	Red	3P+⊕	6	<b>412136</b>	1
	400	65x83	Red	3P+N+⊕	6	<b>412146</b>	1
32	110	65x83	Yellow	2P+⊕	4	<b>412224</b>	1
	230	65x83	Blue	2P+⊕	6	<b>412226</b>	1
	400	65x83	Red	3P+⊕	6	<b>412236</b>	1
	400	100x108	Red	3P+N+⊕	6	<b>412246</b>	1
63	380-440	65x83	Red	3P+⊕	3	<b>412233</b>	1
	230	100x108	Blue	2P+⊕	6	<b>412326</b>	1
	400	100x108	Red	3P+⊕	6	<b>412336</b>	1
	400	100x108	Red	3P+N+⊕	6	<b>412346</b>	1
125	400	114x114	Red	3P+⊕	6	<b>412436</b>	1
	400	114x114	Red	3P+N+⊕	6	<b>412446</b>	1



20° angled panel-mounted rotoswitched socket-outlets safety performance 50/60Hz IP66/IP67/IP69

Rated current (A)	Rated voltage (V)	Flange dimensions (mm)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	65x83	Yellow	2P+⊕	4	<b>413124</b>	1
	230	65x83	Blue	2P+⊕	6	<b>413126</b>	1
	400	65x83	Red	3P+⊕	6	<b>413136</b>	1
	400	65x83	Red	3P+N+⊕	6	<b>413146</b>	1
32	110	65x83	Yellow	2P+⊕	4	<b>413224</b>	1
	230	65x83	Blue	2P+⊕	6	<b>413226</b>	1
	400	65x83	Red	3P+⊕	6	<b>413236</b>	1
	400	100x108	Red	3P+N+⊕	6	<b>413246</b>	1
63	230	100x108	Blue	2P+⊕	6	<b>413326</b>	1
	400	100x108	Red	3P+⊕	6	<b>413336</b>	1
	400	100x108	Red	3P+N+⊕	6	<b>413346</b>	1
125	400	114x114	Red	3P+⊕	6	<b>413436</b>	1
	400	114x114	Red	3P+N+⊕	6	<b>413446</b>	1



65° angled wall-mounted rotoswitched socket-outlets safety performance 50/60Hz IP66/IP67/IP69

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	Yellow	2P+⊕	4	<b>416124</b>	1
	230	Blue	2P+⊕	6	<b>416126</b>	1
	400	Red	3P+⊕	6	<b>416136</b>	1
	400	Red	3P+N+⊕	6	<b>416146</b>	1
32	110	Yellow	2P+⊕	4	<b>416224</b>	1
	230	Blue	2P+⊕	6	<b>416226</b>	1
	400	Red	3P+⊕	6	<b>416236</b>	1
	400	Red	3P+N+⊕	6	<b>416246</b>	1
63	230	Blue	2P+⊕	6	<b>416326</b>	1
	400	Red	3P+⊕	6	<b>416336</b>	1
	400	Red	3P+N+⊕	6	<b>416346</b>	1
125	400	Red	3P+⊕	6	<b>416436*</b>	1
	400	Red	3P+N+⊕	6	<b>416446*</b>	1

**Common features:** rotoswitched socket-outlets padlockable in position 0 and 1 with padlock code 419000. The sockets are designed to allow for padlocking, either in a stand-alone fashion or connected to the plugs. The padlock must have a min. shackle width of 10.5 mm, a height of 32 mm and a max. wire Ø of 3.5 mm. **\*Notes:** 125A socket-outlets, 80° angled.



# ROTOR

Interlocked socket-outlets in technopolymer with rotoswitch



Combinable rotoswitch inserts safety performance IP66/IP67/IP69

Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	50/60Hz	110	●	2P+⊥	4	<b>419124</b>	1
	50/60Hz	110	●	3P+⊥	4	<b>419134</b>	1
	50/60Hz	110	●	3P+N+⊥	4	<b>419144</b>	1
	50/60Hz	220	●	2P+⊥	6	<b>419126</b>	1
	50/60Hz	220	●	3P+⊥	9	<b>419139</b>	1
	50/60Hz	220	●	3P+N+⊥	9	<b>419149</b>	1
	50/60Hz	400	●	2P+⊥	9	<b>419129</b>	1
	50/60Hz	400	●	3P+⊥	6	<b>419136</b>	1
	50/60Hz	400	●	3P+N+⊥	6	<b>419146</b>	1
	50/60Hz	500	●	2P+⊥	7	<b>419127</b>	1
	50/60Hz	500	●	3P+⊥	7	<b>419137</b>	1
	50/60Hz	500	●	3P+N+⊥	7	<b>419147</b>	1
	50/60Hz	690	●	3P+⊥	5	<b>419135</b>	1
	50/60Hz	690	●	3P+N+⊥	5	<b>419145</b>	1
	100-300Hz	>50	●	2P+⊥	10	<b>419120</b>	1
	100-300Hz	>50	●	3P+⊥	10	<b>419130</b>	1
	100-300Hz	>50	●	3P+N+⊥	10	<b>419140</b>	1
	60Hz	440-460	●	3P+⊥	11	<b>419131</b>	1
	60Hz	440-460	●	3P+N+⊥	11	<b>419141</b>	1
	50/60Hz	>50	●	2P+⊥	12	<b>419128</b>	1
	50/60Hz	>50	●	3P+⊥	12	<b>419138</b>	1
	300/500Hz	>50	●	2P+⊥	2	<b>419122</b>	1
	300/500Hz	>50	●	3P+⊥	2	<b>419132</b>	1
	300/500Hz	>50	●	3P+N+⊥	2	<b>419142</b>	1
	50/60Hz	380-440	●	3P+⊥	3	<b>419133</b>	1
	50/60Hz	380-440	●	3P+N+⊥	3	<b>419143</b>	1
	50/60Hz	110	●	2P+⊥	4	<b>419224</b>	1
	50/60Hz	110	●	3P+⊥	4	<b>419234</b>	1
	50/60Hz	110	●	3P+N+⊥	4	<b>419244</b>	1
	50/60Hz	220	●	2P+⊥	6	<b>419226</b>	1
	50/60Hz	220	●	3P+⊥	9	<b>419239</b>	1
	50/60Hz	220	●	3P+N+⊥	9	<b>419249</b>	1
50/60Hz	400	●	2P+⊥	9	<b>419229</b>	1	
50/60Hz	400	●	3P+⊥	6	<b>419236</b>	1	
50/60Hz	400	●	3P+N+⊥	6	<b>419246</b>	1	
50/60Hz	500	●	2P+⊥	7	<b>419227</b>	1	
50/60Hz	500	●	3P+⊥	7	<b>419237</b>	1	
50/60Hz	500	●	3P+N+⊥	7	<b>419247</b>	1	
50/60Hz	690	●	3P+⊥	5	<b>419235</b>	1	
50/60Hz	690	●	3P+N+⊥	5	<b>419245</b>	1	
100-300Hz	>50	●	2P+⊥	10	<b>419220</b>	1	
100-300Hz	>50	●	3P+⊥	10	<b>419230</b>	1	
100-300Hz	>50	●	3P+N+⊥	10	<b>419240</b>	1	
60Hz	440-460	●	3P+⊥	11	<b>419231</b>	1	
60Hz	440-460	●	3P+N+⊥	11	<b>419241</b>	1	
50/60Hz	>50	●	2P+⊥	12	<b>419228</b>	1	
50/60Hz	>50	●	3P+⊥	12	<b>419238</b>	1	
300/500Hz	>50	●	2P+⊥	2	<b>419222</b>	1	
300/500Hz	>50	●	3P+⊥	2	<b>419232</b>	1	
300/500Hz	>50	●	3P+N+⊥	2	<b>419242</b>	1	
50/60Hz	380-440	●	3P+⊥	3	<b>419233</b>	1	
50/60Hz	380-440	●	3P+N+⊥	3	<b>419243</b>	1	

Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63	50/60Hz	110	●	2P+⊥	4	<b>419324</b>	1
	50/60Hz	110	●	3P+⊥	4	<b>419334</b>	1
	50/60Hz	110	●	3P+N+⊥	4	<b>419344</b>	1
	50/60Hz	220	●	2P+⊥	6	<b>419326</b>	1
	50/60Hz	220	●	3P+⊥	9	<b>419339</b>	1
	50/60Hz	220	●	3P+N+⊥	9	<b>419349</b>	1
	50/60Hz	400	●	2P+⊥	9	<b>419329</b>	1
	50/60Hz	400	●	3P+⊥	6	<b>419336</b>	1
	50/60Hz	400	●	3P+N+⊥	6	<b>419346</b>	1
	50/60Hz	500	●	2P+⊥	7	<b>419327</b>	1
	50/60Hz	500	●	3P+⊥	7	<b>419337</b>	1
	50/60Hz	500	●	3P+N+⊥	7	<b>419347</b>	1
	50/60Hz	690	●	3P+⊥	5	<b>419335</b>	1
	50/60Hz	690	●	3P+N+⊥	5	<b>419345</b>	1
	100-300Hz	>50	●	2P+⊥	10	<b>419320</b>	1
	100-300Hz	>50	●	3P+⊥	10	<b>419330</b>	1
	100-300Hz	>50	●	3P+N+⊥	10	<b>419340</b>	1
	60Hz	440-460	●	3P+⊥	11	<b>419331</b>	1
	60Hz	440-460	●	3P+N+⊥	11	<b>419341</b>	1
	50/60Hz	>50	●	2P+⊥	12	<b>419328</b>	1
	50/60Hz	>50	●	3P+⊥	12	<b>419338</b>	1
	300/500Hz	>50	●	2P+⊥	2	<b>419322</b>	1
	300/500Hz	>50	●	3P+⊥	2	<b>419332</b>	1
	300/500Hz	>50	●	3P+N+⊥	2	<b>419342</b>	1
	50/60Hz	380-440	●	3P+⊥	3	<b>419333</b>	1
	50/60Hz	380-440	●	3P+N+⊥	3	<b>419343</b>	1
	50/60Hz	110	●	2P+⊥	4	<b>419424</b>	1
	50/60Hz	110	●	3P+⊥	4	<b>419434</b>	1
	50/60Hz	110	●	3P+N+⊥	4	<b>419444</b>	1
	50/60Hz	220	●	2P+⊥	6	<b>419426</b>	1
	50/60Hz	220	●	3P+⊥	9	<b>419439</b>	1
	50/60Hz	220	●	3P+N+⊥	9	<b>419449</b>	1
50/60Hz	400	●	2P+⊥	9	<b>419429</b>	1	
50/60Hz	400	●	3P+⊥	6	<b>419436</b>	1	
50/60Hz	400	●	3P+N+⊥	6	<b>419446</b>	1	
50/60Hz	500	●	2P+⊥	7	<b>419427</b>	1	
50/60Hz	500	●	3P+⊥	7	<b>419437</b>	1	
50/60Hz	500	●	3P+N+⊥	7	<b>419447</b>	1	
50/60Hz	690	●	3P+⊥	5	<b>419435</b>	1	
50/60Hz	690	●	3P+N+⊥	5	<b>419445</b>	1	
100-300Hz	>50	●	2P+⊥	10	<b>419420</b>	1	
100-300Hz	>50	●	3P+⊥	10	<b>419430</b>	1	
100-300Hz	>50	●	3P+N+⊥	10	<b>419440</b>	1	
60Hz	440-460	●	3P+⊥	11	<b>419431</b>	1	
60Hz	440-460	●	3P+N+⊥	11	<b>419441</b>	1	
50/60Hz	>50	●	2P+⊥	12	<b>419428</b>	1	
50/60Hz	>50	●	3P+⊥	12	<b>419438</b>	1	
300/500Hz	>50	●	2P+⊥	2	<b>419422</b>	1	
300/500Hz	>50	●	3P+⊥	2	<b>419432</b>	1	
300/500Hz	>50	●	3P+N+⊥	2	<b>419442</b>	1	
50/60Hz	380-440	●	3P+⊥	3	<b>419433</b>	1	
50/60Hz	380-440	●	3P+N+⊥	3	<b>419443</b>	1	

**Features:** rotoswitches padlockable in position 0 and 1 with padlock code 419000. The sockets are designed to allow for padlocking, either in a stand-alone fashion or connected to the plugs. The padlock must have a min. shackle width of 10.5 mm, a height of 32 mm and a max. wire Ø of 3.5 mm.



# ROTOR

Interlocked socket-outlets in technopolymer with rotoswitch



Handles for inserts  
IP66/IP67/IP68/IP69

Rated current (A)	Poles	Entry cable diameter (mm)	Palazzoli code	Pack Qty
16	2P+⊕	6.3 - 18	<b>419001</b>	5
	3P+⊕	6.3 - 18	<b>419002</b>	5
	3P+N+⊕	9 - 23	<b>419003</b>	5
2P+⊕ / 3P+⊕	9 - 23			
32	3P+N+⊕	13 - 27	<b>419004</b>	5
	2P+⊕ / 3P+⊕ / 3P+N+⊕	14 - 36	<b>419005</b>	5
125	2P+⊕ / 3P+⊕ / 3P+N+⊕	16 - 50	<b>419006</b>	5



Straight panel-mounted flanges for inserts  
IP66/IP67/IP68/IP69

Rated current (A)	Poles	Flange dimensions (mm)	Palazzoli code	Pack Qty
16	2P+⊕	65x83	<b>419021</b>	5
	3P+⊕	65x83	<b>419022</b>	5
	3P+N+⊕	65x83	<b>419023</b>	5
2P+⊕ / 3P+⊕	65x83			
32	3P+N+⊕	100x108	<b>419024</b>	5
	2P+⊕ / 3P+⊕ / 3P+N+⊕	100 x 108	<b>419025</b>	5
125	2P+⊕ / 3P+⊕ / 3P+N+⊕	114x114	<b>419026</b>	5



20° angled panel-mounted flanges for inserts  
IP66/IP67/IP68/IP69

Rated current (A)	Poles	Flange dimensions (mm)	Palazzoli code	Pack Qty
16	2P+⊕	65x83	<b>419031</b>	5
	3P+⊕	65x83	<b>419032</b>	5
	3P+N+⊕	65x83	<b>419033</b>	5
2P+⊕ / 3P+⊕	65x83			
32	3P+N+⊕	100x108	<b>419034</b>	5
	2P+⊕ / 3P+⊕ / 3P+N+⊕	100x108	<b>419035</b>	5
125	2P+⊕ / 3P+⊕ / 3P+N+⊕	114x114	<b>419036</b>	5



Safety padlock with keys for rotoswitches

Wire diameter (mm)	Material	Palazzoli code	Pack Qty
2.75	steel - brass	<b>419000</b>	1



65° angled wall-mounted modular boxes with TAIS system for panel-mounted devices  
IP66/IP67/IP68/IP69

Rated current (A)	For flange with dimensions (mm)	Box dimensions (mm)	Palazzoli code	Pack Qty
16-32	65x83	92x125	<b>532131</b>	1
32-63	100x108	125x185	<b>532132</b>	1
125	114x114		<b>532133*</b>	1

\*Notes: 80° angled box.



Wall-mounted modular boxes with TAIS system for panel-mounted devices  
IP66/IP67/IP68/IP69

Rated current (A)	For flange with dimensions (mm)	Box dimensions (mm)	Palazzoli code	Pack Qty
16-32	65x83	92x125	<b>532101</b>	1
32-63	100x108	125x185	<b>532102</b>	1
125	114x114		<b>532103</b>	1



Wall-mounted modular boxes with TAIS system for 2 panel-mounted devices  
IP66/IP67/IP68/IP69

Rated current (A)	For flange with dimensions (mm)	Box dimensions (mm)	Palazzoli code	Pack Qty
16-32	2x(65x83)	92x255	<b>532121</b>	1
32-63	2x(100x108)	125x352	<b>532122*</b>	1
16-32-63	or 1x(65x83)+1x(100x108)			

Equipment included: 1 blind flange.

\*1 flange adaptor frame, from flange 100x108 to flange 65x83, code 532841.



Flange adaptor frame from 100x108 flange to 65x83 flange for wall-mounted boxes  
IP66/IP67/IP68/IP69

Frame dimensions (mm)	For flange with dimensions (mm)	Palazzoli code	Pack Qty
100x108	65x83	<b>532841</b>	1



Blind flanges for wall-mounted boxes  
IP66/IP67/IP68/IP69

Flange dimensions (mm)	Palazzoli code	Pack Qty
65x83	<b>532843</b>	1
100x108	<b>532842</b>	1

# TAIS



**Palazzoli**  
482446  
0.5 MPa - 1.0 MPa  
10000 - 100000  
1/2" - 1/4"  
CE



## TAIS

Increased safety interlocked socket-outlets in thermosetting GRP

## ADVANTAGES

1

Palazzoli Thermosetting GRP is flame-retardant, does not produce smoke nor emits halogens.

Handle designed to allow triple padlocking prevents operation by unauthorised persons. The handle allows to identify the switch status even from distance.

2

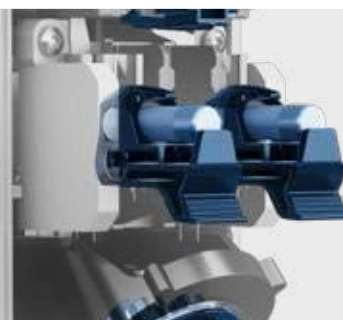


3

The switch is designed to accommodate two auxiliary remote signalling contacts

The ceramic fuse holder base resists high temperatures generated in the case of circuit failures. Cylindrical fuses with lever extraction allow quick replacement.

4



For quick and easy installation, scan the QR code.







# TAIS

Increased safety interlocked socket-outlets in thermosetting GRP



Body material	Palazzoli Thermosetting GRP
Colour	RAL 5015 Sky blue (cover) RAL 7042 Traffic grey (base)
Protection rating	IP66/IP67
Additional IP rating	IP69
Impact resistance	IK10
Resistance to abnormal heat and fire	960°C
Flammability class	V-0
Insulation class	II
Ambient operating temperature	-30°C - +50°C -30°C - +60°C (direct)
Ambient storage temperature	-50°C - +80°C
Rated current	16A - 32A - 63A - 125A
Operating voltage	24V - 690V
Insulation voltage	690V
Operating frequency	50/60Hz



### DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

### PRODUCT STANDARDS

IEC/EN 60309-1  
IEC/EN 60309-2  
IEC/EN 60309-4  
IEC/EN 63000

Rated operating current:		16A	32A	63A	125A	
<b>Thermal current I<sub>th</sub></b>	<b>A</b>	<b>16</b>	<b>32</b>	<b>63</b>	<b>125</b>	
AC-21A	110 V - 690 V	A	16	32	63	125
AC-22A	110 V - 690 V	A	16	32	63	125
AC-23A	110V	A	16	32	63	-
	230V					-
	400V					125
	500V					100
	690V					63
AC-23A	110V	kW	2.4	4.9	9.6	-
	230V		5.1	10.2	20.1	30
	400V		8.9	17.7	34.9	55
	500V		11.1	22.2	43.6	55
	690V		15.3	30.6	60.2	55
AC-3	110V	kW	2.4	4.9	7.6	-
	230V		5.1	10.2	15.9	30
	400V		8.9	17.7	27.7	55
	500V		11.1	22.2	34.6	55
	690V		15.3	30.6	47.8	55

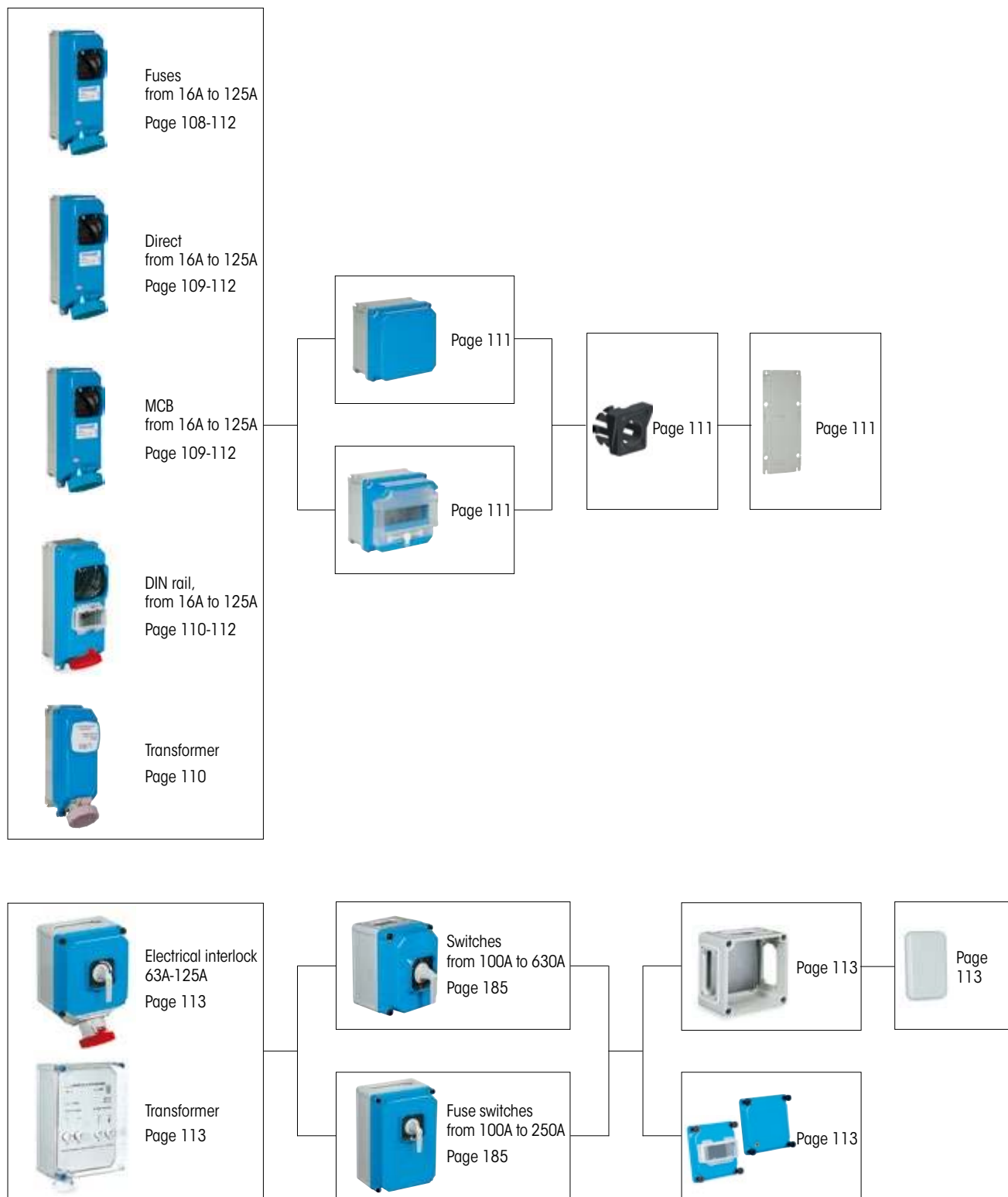
Wiring data:		16A	32A	63A	125A
Entry cable cross-section	mm <sup>2</sup>	1 - 10	6 - 35	10 - 70	
Tightening torque	Nm	2	3	4	



TAIS

Increased safety interlocked socket-outlets in thermosetting GRP

# MODULARITY



# GUIDE TO THE COMPOSITION OF DISTRIBUTION BOARDS from 16A to 63A



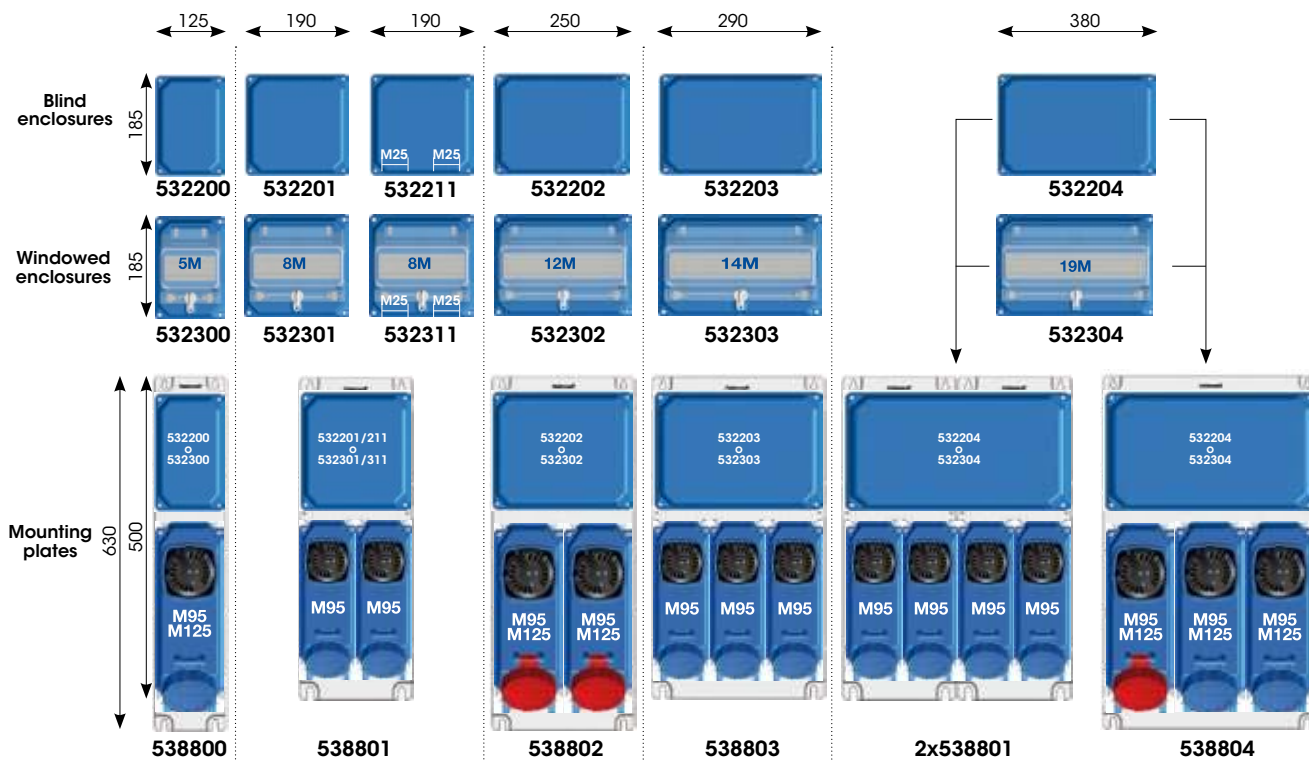
Quick-coupling fittings



## Wall-mounted interlocked socket-outlets IP66/IP67/IP69

I	V	No. of poles	Wall-mounted interlocked socket-outlets IP66/IP67/IP69					
			M95 entry	M125 entry	M95 entry	M125 entry	M95 entry	M125 entry
			Fuses	Fuses	Direct supply	Direct supply	Transformer 150VA	Transformer 250VA
16A	230	2P+⊕	472620		470126	467126		
	400	3P+⊕	472730		470136	467136		
		3P+N+⊕	472830		470146	467146		
32A	230	2P+⊕	468226	472621	469226	470226		
	400	3P+⊕	468236	472731	469236	470236		
		3P+N+⊕		472831		470246		
63A	400	3P+⊕		472732		470336		
		3P+N+⊕		472832		470346		
16A	24	2P					469873	471873

## Examples of combinations





# GUIDE TO THE PREPARATION OF DISTRIBUTION BOARDS from 16A to 125A

Threaded coupling fittings

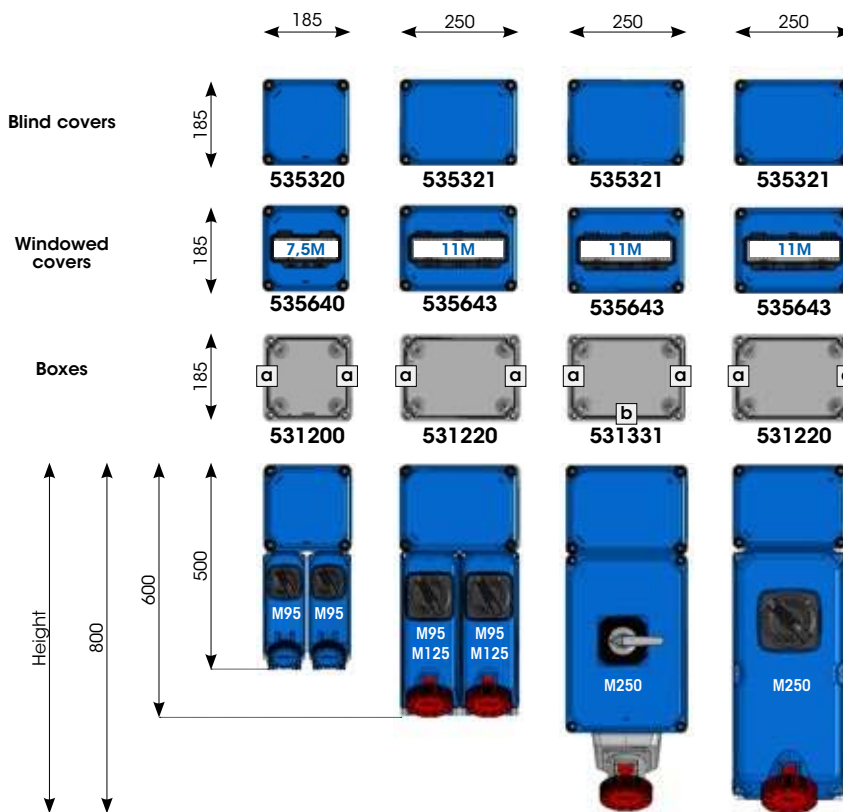


\* Use two M40 fittings to connect the 125A socket-outlet to the box

				Wall-mounted interlocked socket-outlets IP66/IP67/IP69									
				M95	M125	M250	M95	M125	M250	M250	M250	M95	M125
				M25 entry	M32 entry	blind entry	M25 entry	M32 entry	blind entry	Window b	Window b	M25 entry	M25 entry
				Fuses	Fuses	Fuses	Direct supply	Direct supply	Direct supply	Electrical interlock	With electrical interlock and RCD	Transformer 150VA	Transformer 250VA
I	V	No. of poles											
16A	230	2P+⊕		472620			470126	467126					
	400	3P+⊕		472730			470136	467136					
		3P+N+⊕		472830			470146	467146					
32A	230	2P+⊕		468226	472621		469226	470226					
	400	3P+⊕		468236	472731		469236	470236					
		3P+N+⊕		472831			470246						
63A	400	3P+⊕		472732			470336		478336	476336			
		3P+N+⊕		472832			470346		478346	476346			
125A	400	3P+⊕			482436			480436	478436	476436			
		3P+N+⊕			482446			480446	478446	476446			
16A	24	2P									469873	471873	

## Examples of combinations

Closing flanges	
Window	code
a	538110



### Instructions for making the mounting plate:

Base: sum of the widths of the boxes  
 Height: choose from three dimensions (800 mm, 600 mm, 500 mm) depending on the type of socket-outlets used

The mounting plates are the responsibility of the customer

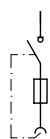
base



# TAIS

## Increased safety interlocked socket-outlets in thermosetting GRP

MODULE 95



Wall-mounted interlocked socket-outlets with fuse holder base IP66/IP67/IP69

Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty	
16	50/60Hz	110	●	2P+⊕	4	<b>472610</b>	1	
	50/60Hz	110	●	3P+⊕	4	<b>472710</b>	1	
	50/60Hz	110	●	3P+N+⊕	4	<b>472810</b>	1	
	50/60Hz	230	●	2P+⊕	6	<b>472620</b>	1	
	50/60Hz	230	●	3P+⊕	9	<b>472720</b>	1	
	50/60Hz	230	●	3P+N+⊕	9	<b>472820</b>	1	
	50/60Hz	400	●	2P+⊕	9	<b>472630</b>	1	
	50/60Hz	400	●	3P+⊕	6	<b>472730</b>	1	
	50/60Hz	400	●	3P+N+⊕	6	<b>472830</b>	1	
	M25 entry 10.3x38 fuses	50/60Hz	500	●	3P+⊕	7	<b>472750</b>	1
		50/60Hz	500	●	3P+N+⊕	7	<b>472840</b>	1
		50/60Hz	>50*	●	2P+⊕	12	<b>472640</b>	1
		50/60Hz	>50*	●	3P+⊕	12	<b>472760</b>	1
		100-300Hz	>50	●	2P+⊕	10	<b>472650</b>	1
		100-300Hz	>50	●	3P+⊕	10	<b>472780</b>	1
		100-300Hz	>50	●	3P+N+⊕	10	<b>472870</b>	1
>300/500Hz		>50	●	2P+⊕	2	<b>472660</b>	1	
>300/500Hz		>50	●	3P+⊕	2	<b>472790</b>	1	
>300/500Hz		>50	●	3P+N+⊕	2	<b>472880</b>	1	
32	60Hz	440-460	●	3P+⊕	11	<b>472740</b>	1	
	60Hz	440-460	●	3P+N+⊕	11	<b>472850</b>	1	
	DC	>50-250	●	2P+⊕	3	<b>472670</b>	1	
	50/60Hz	110	●	2P+⊕	4	<b>468224</b>	1	
	50/60Hz	110	●	3P+⊕	4	<b>468234</b>	1	
	50/60Hz	230	●	2P+⊕	6	<b>468226</b>	1	
	50/60Hz	230	●	3P+⊕	9	<b>468239</b>	1	
	M25 entry 10.3x38 fuses	50/60Hz	400	●	2P+⊕	9	<b>468229</b>	1
		50/60Hz	400	●	3P+⊕	6	<b>468236</b>	1
		50/60Hz	380/440	●	3P+⊕	3	<b>468233</b>	1

\* For isolation transformer.

**Features:** handle padlockable with 3 padlocks up to 8 mm. Fuses not included.

**Technical accessories:**



MODULE 125



Wall-mounted interlocked socket-outlets with fuse holder base IP66/IP67/IP69



Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty	
32	50/60Hz	110	●	2P+⊕	4	<b>472611</b>	1	
	50/60Hz	110	●	3P+⊕	4	<b>472711</b>	1	
	50/60Hz	110	●	3P+N+⊕	4	<b>472811</b>	1	
	50/60Hz	230	●	2P+⊕	6	<b>472621</b>	1	
	50/60Hz	230	●	3P+⊕	9	<b>472721</b>	1	
	50/60Hz	230	●	3P+N+⊕	9	<b>472821</b>	1	
	50/60Hz	400	●	2P+⊕	9	<b>472631</b>	1	
	50/60Hz	400	●	3P+⊕	6	<b>472731</b>	1	
	50/60Hz	400	●	3P+N+⊕	6	<b>472831</b>	1	
	50/60Hz	500	●	3P+⊕	7	<b>472751</b>	1	
	50/60Hz	500	●	3P+N+⊕	7	<b>472841</b>	1	
	M32 entry fuses 14x51	50/60Hz	690	●	3P+⊕	5	<b>472754</b>	1
		50/60Hz	690	●	3P+N+⊕	5	<b>472854</b>	1
		50/60Hz	>50*	●	2P+⊕	12	<b>472641</b>	1
		50/60Hz	>50*	●	3P+⊕	12	<b>472761</b>	1
		100-300Hz	>50	●	2P+⊕	10	<b>472651</b>	1
100-300Hz		>50	●	3P+⊕	10	<b>472781</b>	1	
100-300Hz		>50	●	3P+N+⊕	10	<b>472871</b>	1	
>300/500Hz		>50	●	2P+⊕	2	<b>472661</b>	1	
>300/500Hz		>50	●	3P+⊕	2	<b>472791</b>	1	
>300/500Hz		>50	●	3P+N+⊕	2	<b>472881</b>	1	
63	60Hz	440-460	●	3P+⊕	11	<b>472741</b>	1	
	60Hz	440-460	●	3P+N+⊕	11	<b>472851</b>	1	
	DC	>50-250	●	2P+⊕	3	<b>472671</b>	1	
	50/60Hz	380/440	●	3P+⊕	3	<b>472771</b>	1	
	50/60Hz	380/440	●	3P+N+⊕	3	<b>472861</b>	1	
	50/60Hz	110	●	2P+⊕	4	<b>472612</b>	1	
	50/60Hz	110	●	3P+⊕	4	<b>472712</b>	1	
	50/60Hz	110	●	3P+N+⊕	4	<b>472812</b>	1	
	50/60Hz	230	●	2P+⊕	6	<b>472622</b>	1	
	50/60Hz	230	●	3P+⊕	9	<b>472722</b>	1	
M32 entry fuses 22x58	50/60Hz	230	●	3P+N+⊕	9	<b>472822</b>	1	
	50/60Hz	400	●	2P+⊕	9	<b>472632</b>	1	
	50/60Hz	400	●	3P+⊕	6	<b>472732</b>	1	
	50/60Hz	400	●	3P+N+⊕	6	<b>472832</b>	1	
	50/60Hz	500	●	3P+⊕	7	<b>472752</b>	1	
	50/60Hz	500	●	3P+N+⊕	7	<b>472842</b>	1	
	50/60Hz	690	●	3P+⊕	5	<b>472755</b>	1	
	50/60Hz	690	●	3P+N+⊕	5	<b>472855</b>	1	
	50/60Hz	>50*	●	2P+⊕	12	<b>472642</b>	1	
	50/60Hz	>50*	●	3P+⊕	12	<b>472762</b>	1	
125	60Hz	440-460	●	3P+⊕	11	<b>472742</b>	1	
	60Hz	440-460	●	3P+N+⊕	11	<b>472852</b>	1	
	DC	>50-250	●	2P+⊕	3	<b>472672</b>	1	

\* For isolation transformer

**Features:** handle padlockable with 3 padlocks up to 8 mm. Fuses not included.

**Technical accessories:**



Module 125 sockets are designed for possible entry from bottom side





# TAIS

Increased safety interlocked socket-outlets in thermosetting GRP

INTERLOCKED SOCKET-OUTLETS

MODULE 95



Wall-mounted interlocked socket-outlets  
50/60Hz IP66/IP67/IP69

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 M25 entry	230	Blue	2P+⊕	6	<b>470126</b>	1
	400	Red	3P+⊕	6	<b>470136</b>	1
	400	Red	3P+N+⊕	6	<b>470146</b>	1
32 M25 entry	230	Blue	2P+⊕	6	<b>469226</b>	1
	400	Red	3P+⊕	6	<b>469236</b>	1
	380/440	Red	3P+⊕	3	<b>469233</b>	1

Features: handle padlockable with 3 padlocks up to 8 mm.

MODULE 125



Wall-mounted interlocked socket-outlets  
50/60Hz IP67



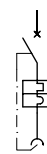
Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 M25 entry	110	Yellow	2P+⊕	4	<b>467124</b>	1
	230	Blue	2P+⊕	6	<b>467126</b>	1
	400	Red	3P+⊕	6	<b>467136</b>	1
32 M32 entry	400	Red	3P+N+⊕	6	<b>467146</b>	1
	230	Blue	2P+⊕	6	<b>470226</b>	1
	400	Red	3P+⊕	6	<b>470236</b>	1
63 M32 entry	400	Red	3P+N+⊕	6	<b>470246</b>	1
	380/440	Red	3P+⊕	3	<b>470233</b>	1
	230	Blue	2P+⊕	6	<b>470326</b>	1
63 M32 entry	400	Red	3P+⊕	6	<b>470336</b>	1
	400	Red	3P+N+⊕	6	<b>470346</b>	1

Features: handle padlockable with 3 padlocks up to 8 mm.

Technical accessories:



MODULE 125



Wall-mounted interlocked socket-outlets  
with MCB protection  
IP66/IP67/IP69



Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty	
16 M25 entry	50/60Hz	110	Yellow	2P+⊕	4	<b>474210</b>	1	
	50/60Hz	110	Yellow	3P+⊕	4	<b>474310</b>	1	
	50/60Hz	110	Yellow	3P+N+⊕	4	<b>474410</b>	1	
	50/60Hz	230	Blue	2P+⊕	6	<b>474220</b>	1	
	50/60Hz	230	Blue	3P+⊕	9	<b>474320</b>	1	
	50/60Hz	230	Blue	3P+N+⊕	9	<b>474420</b>	1	
	Switch 4.5kA curve C	50/60Hz	400	Red	2P+⊕	9	<b>474230</b>	1
		50/60Hz	400	Red	3P+⊕	6	<b>474330</b>	1
	50/60Hz	400	Red	3P+N+⊕	6	<b>474430</b>	1	
		60Hz	440-460	Red	3P+⊕	11	<b>474340</b>	1
	32 M32 entry	50/60Hz	110	Yellow	2P+⊕	4	<b>474611</b>	1
		50/60Hz	110	Yellow	3P+⊕	4	<b>474711</b>	1
50/60Hz		110	Yellow	3P+N+⊕	4	<b>474811</b>	1	
50/60Hz		230	Blue	2P+⊕	6	<b>474621</b>	1	
50/60Hz		230	Blue	3P+⊕	9	<b>474721</b>	1	
Switch 6kA curve C		50/60Hz	230	Blue	3P+N+⊕	9	<b>474821</b>	1
		50/60Hz	400	Red	2P+⊕	9	<b>474631</b>	1
50/60Hz		400	Red	3P+⊕	6	<b>474731</b>	1	
		400	Red	3P+N+⊕	6	<b>474831</b>	1	
60Hz		440-460	Red	3P+⊕	11	<b>474741</b>	1	
		440-460	Red	3P+N+⊕	11	<b>474851</b>	1	
63 M32 entry		50/60Hz	380/440	Red	3P+⊕	3	<b>474771</b>	1
	50/60Hz	110	Yellow	2P+⊕	4	<b>474612</b>	1	
	50/60Hz	110	Yellow	3P+⊕	4	<b>474712</b>	1	
	50/60Hz	110	Yellow	3P+N+⊕	4	<b>474812</b>	1	
	Switch 10kA curve C	50/60Hz	230	Blue	2P+⊕	6	<b>474622</b>	1
		50/60Hz	230	Blue	3P+⊕	9	<b>474722</b>	1
	50/60Hz	230	Blue	3P+N+⊕	9	<b>474822</b>	1	
		400	Red	2P+⊕	9	<b>474632</b>	1	
	50/60Hz	400	Red	3P+⊕	6	<b>474732</b>	1	
		400	Red	3P+N+⊕	6	<b>474832</b>	1	
	60Hz	440-460	Red	3P+⊕	11	<b>474742</b>	1	
		440-460	Red	3P+N+⊕	11	<b>474852</b>	1	

Features: handle padlockable with 3 padlocks up to 8 mm.  
Voltage presence indicator.

Technical accessories:



Module 125 sockets are designed for possible entry from bottom side



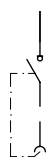
Module 125 sockets are designed for possible entry from bottom side



# TAIS

Increased safety interlocked socket-outlets in thermosetting GRP

### MODULE 125



Wall-mounted interlocked socket-outlets with DIN rail 50/60Hz IP66/IP67/IP69



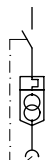
Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 M25 entry 4 modules	230		2P+⊕	6	<b>472020</b>	1
	400		3P+⊕	6	<b>472130</b>	1
	400		3P+N+⊕	6	<b>472240</b>	1
32 M32 entry 4 modules	230		2P+⊕	6	<b>472021</b>	1
	400		3P+⊕	6	<b>472131</b>	1
	400		3P+N+⊕	6	<b>472241</b>	1
63 M32 entry 4 modules	380/440		3P+⊕	3	<b>472133</b>	1
	230		2P+⊕	6	<b>472022</b>	1
	400		3P+⊕	6	<b>472132</b>	1
	400		3P+N+⊕	6	<b>472242</b>	1

**Equipment included:** all socket-outlets are pre-wired up to the DIN rail.  
**Features:** handle padlockable with 3 padlocks up to 8 mm.  
 Padlockable lid and with tamper-proof screw.  
 Socket-outlet prepared for bottom entry.

**Technical accessories:**



### MODULE 95

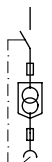


Wall-mounted interlocked socket-outlets with safety transformer (SELV) 50/60Hz IP66/IP67/IP69

Rated current (A)	Rated voltage (V)	Poles	Power (VA)	Palazzoli code	Pack Qty
16 M25 entry	230/24	2P	150	<b>469873</b>	1

**Features:** class II continuous duty safety transformer activated by a plug microswitch.

### MODULE 125



Wall-mounted socket-outlets with safety transformer (SELV) 50/60Hz IP67

Rated current (A)	Rated voltage (V)	Poles	Power (VA)	Palazzoli code	Pack Qty
16 M25 entry	230/24	2P	250	<b>471873</b>	1
	400/24	2P	144	<b>471893</b>	1

**Features:** continuous class II duty safety transformer enabled by the plug by means of microswitch.

**Technical accessories:**



65° angled wall-mounted modular boxes with TAIS system for panel-mounted devices IP66/IP67/IP68/IP69

For flange with dimensions (mm)	Box dimensions (mm)	Palazzoli code	Pack Qty
65x83	92x125	<b>532131</b>	1
100x108	125x185	<b>532132</b>	1
114x114		<b>532133</b>	1



Wall-mounted modular boxes with TAIS system for panel-mounted devices IP66/IP67/IP68/IP69

For flange with dimensions (mm)	Box dimensions (mm)	Palazzoli code	Pack Qty
65x83	92x125	<b>532101</b>	1
100x108	125x185	<b>532102</b>	1
114x114		<b>532103</b>	1



Wall-mounted modular boxes with TAIS system for 2 panel-mounted devices IP66/IP67/IP68/IP69

For flange with dimensions (mm)	Box dimensions (mm)	Palazzoli code	Pack Qty
2x(65x83)	92x255	<b>532121</b>	1
2x(100x108) or 1x(65x83)+1x(100x108)	125x352	<b>532122*</b>	1

**Equipment included:** 1 blind flange.

\*1 flange adaptor frame, from flange 100x108 to flange 65x83, code 532841.

**Technical accessories:**





# TAIS

Increased safety interlocked socket-outlets in thermosetting GRP



Boxes in thermosetting GRP with blind cover for composition of socket boards IP66/IP67

Outer dimensions (mm)	Holes	Max. number of installable socket-outlets		Palazzoli code	Pack Qty
		Mod. 95	Mod. 125		
125x185x125	-	1	1	<b>532200</b>	1
190x185x125	-	2	-	<b>532201</b>	1
190x185x125	2xM25	2	-	<b>532211</b>	1
250x185x125	-	2	2	<b>532202</b>	1
290x185x125	-	3	-	<b>532203</b>	1
380x185x125	-	4	3	<b>532204</b>	1

**Equipment included:** code 532211 with 2 fittings M25 for rapid coupling. Supplied with drilling templates.

**Notes:** the following Palazzoli terminal blocks can be inserted into all boxes: 3x25mm<sup>2</sup>, 4x16mm<sup>2</sup>, 3x35mm<sup>2</sup>, 4x25mm<sup>2</sup>, 3x70mm<sup>2</sup>, 4x35mm<sup>2</sup>.



Boxes in thermosetting GRP with transparent door for composition of socket boards IP66/IP67

Outer dimensions (mm)	Holes	Max. number of installable socket-outlets		No. of DIN modules	Palazzoli code	Pack Qty
		Mod. 95	Mod. 125			
125x185x150	-	1	1	5	<b>532300</b>	1
190x185x150	-	2	-	8	<b>532301</b>	1
190x185x150	2xM25	2	-	8	<b>532311</b>	1
250x185x150	-	2	2	12	<b>532302</b>	1
290x185x150	-	3	-	14	<b>532303</b>	1
380x185x150	-	4	3	19	<b>532304</b>	1

**Equipment included:** code 532311 with 2 fittings M25 for rapid coupling. Supplied with drilling templates. Padlockable modular door.

**Technical accessories:**



page 170

page 114

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page 174



Back plates in galvanised steel for TAIS boxes

For quick-mounting boxes with dimensions (mm)	Palazzoli code	Pack Qty
125x185	<b>532700</b>	1
190x185	<b>532701</b>	1
250x185	<b>532702</b>	1
290x185	<b>532703</b>	1
380x185	<b>532704</b>	1

**Uses:** for fastening terminal blocks or non-modular devices.



Mounting plates in thermosetting GRP with guided system for the creation of multiple socket boards

Outer dimensions (mm)	Max. number of installable socket-outlets		Palazzoli code	Pack Qty
	Mod. 95	Mod. 125		
125x630	1	1	<b>538800</b>	1
190x500	2	-	<b>538801</b>	1
250x630	2	2	<b>538802</b>	1
290x500	3	-	<b>538803</b>	1
380x630	3	3	<b>538804</b>	1

**Equipment included:** built-in threaded metal dowels, supplied with screws and stainless steel washers for fixing the devices.



Coupling fitting in thermosetting GRP for mounting plates

For mounting plate code	Palazzoli code	Pack Qty
538800, 538801, 538802, 538803, 538804, 415801, 415802	<b>538791</b>	50

**Uses:** this snap-on part is fixed into the seats located on the mounting plates for interlocked socket-outlets.



Fittings for rapid coupling in technopolymer for composition of socket boards IP66/IP67

Hole type	Mounting hole (mm)	Max. diameter for cable passage (mm)	Palazzoli code	Pack Qty
M25	25.5	16	<b>538425</b>	1
M32	32.5	20	<b>538432</b>	1



Tamper-proof kit for sealing

Screw type	Description	Palazzoli code	Pack Qty
M5x20	stainless steel screws	<b>532100</b>	1

**Features:** cylindrical head hexagonal slot screws and 90° double crossed drilling.



TAIS

Increased safety interlocked socket-outlets in thermosetting GRP

MODULE 250



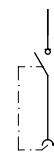
Wall-mounted interlocked socket-outlets with fuse holder base 50/60Hz IP66/IP67/IP69



Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
125 blind entry fuses NH00	110	Yellow	3P+⊕	4	<b>482434</b>	1
	110	Yellow	3P+N+⊕	4	<b>482444</b>	1
	230	Blue	2P+⊕	6	<b>482426</b>	1
	230	Blue	3P+⊕	9	<b>482439</b>	1
	230	Blue	3P+N+⊕	9	<b>482449</b>	1
	400	Red	3P+⊕	6	<b>482436</b>	1
	400	Red	3P+N+⊕	6	<b>482446</b>	1
	500	Black	3P+⊕	7	<b>482437</b>	1
	500	Black	3P+N+⊕	7	<b>482447</b>	1
	690	Black	3P+⊕	5	<b>482435</b>	1
	690	Black	3P+N+⊕	5	<b>482445</b>	1

Features: handle padlockable with 3 padlocks up to 8 mm. Fuses not included.

MODULE 250



Wall-mounted interlocked socket-outlets 50/60Hz IP66/IP67/IP69



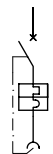
Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
125 blind entry	110	Yellow	3P+⊕	4	<b>480434</b>	1
	110	Yellow	3P+N+⊕	4	<b>480444</b>	1
	230	Blue	2P+⊕	6	<b>480426</b>	1
	230	Blue	3P+⊕	9	<b>480439</b>	1
	230	Blue	3P+N+⊕	9	<b>480449</b>	1
	400	Red	3P+⊕	6	<b>480436</b>	1
	400	Red	3P+N+⊕	6	<b>480446</b>	1
	500	Black	3P+⊕	7	<b>480437</b>	1
	500	Black	3P+N+⊕	7	<b>480447</b>	1
	690	Black	3P+⊕	5	<b>480435</b>	1
	690	Black	3P+N+⊕	5	<b>480445</b>	1

Features: handle padlockable with 3 padlocks up to 8 mm.

Technical accessories:



MODULE 250



Wall-mounted interlocked socket-outlets with MCB protection 50/60Hz IP66/IP67/IP69

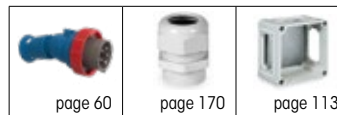


Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
125 blind entry switch 18kA*	110	Yellow	3P+⊕	4	<b>484434</b>	1
	110	Yellow	3P+N+⊕	4	<b>484444</b>	1
	230	Blue	3P+⊕	9	<b>484439</b>	1
	230	Blue	3P+N+⊕	9	<b>484449</b>	1
	400	Red	3P+⊕	6	<b>484436</b>	1
	400	Red	3P+N+⊕	6	<b>484446</b>	1
	500	Black	3P+⊕	7	<b>484437</b>	1
	500	Black	3P+N+⊕	7	<b>484447</b>	1

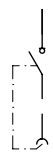
Features: handle padlockable with 3 padlocks up to 8 mm.

\*Notes: breaking capacity for 400 V socket-outlets. For socket-outlets from: 110V and 230V - 25kA; 500V - 8kA.

Technical accessories:



MODULE 250



Wall-mounted interlocked socket-outlets with DIN rail 50/60Hz IP66/IP67/IP69



Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
125 blind entry 7.5 modules	400	Red	3P+⊕	6	<b>483436</b>	1
	400	Red	3P+N+⊕	6	<b>483446</b>	1

Features: handle padlockable with 3 padlocks up to 8 mm. Padlockable lid and with tamper-proof screw.

Technical accessories:



EASY CONTACT 63A - 125A SOCKET-OUTLETS



The multi-lamellar crown in a silver-plated copper superalloy ensures:

- wider pin-plug contact surface
- easy removal of plugs from socket-outlets
- perfect cleaning of the pin
- a solid and long-lasting electrical contact

Notes: the 125A socket-outlets are supplied with centring points to simplify drilling for cable entry or coupling with the box.



# TAIS

## Increased safety interlocked socket-outlets in thermosetting GRP

MODULE 250



Wall-mounted socket-outlets with electrical interlock and MCB protection 50/60Hz IP67



Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63 window b	400	●	3P+≐	6	<b>478336</b>	1
	400	●	3P+N+≐	6	<b>478346</b>	1
	500	●	3P+≐	7	<b>478337</b>	1
	500	●	3P+N+≐	7	<b>478347</b>	1
125 window b	400	●	3P+≐	6	<b>478436</b>	1
	400	●	3P+N+≐	6	<b>478446</b>	1
	500	●	3P+≐	7	<b>478437</b>	1
	500	●	3P+N+≐	7	<b>478447</b>	1

**Features:** complete with pilot contact used for the electrical interlock. Sealable screws. Handle padlockable in the "0" position with 2 padlocks up to 4.5 mm.  
**Notes:** the mounting plates are the responsibility of the customer. Characteristics of MCB on page 134.

MODULE 250



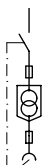
Wall-mounted socket-outlets with electrical interlock and MCB/RCD protection 50/60Hz IP67



Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63 window b	400	●	3P+≐	6	<b>476336</b>	1
	400	●	3P+N+≐	6	<b>476346</b>	1
	500	●	3P+≐	7	<b>476337</b>	1
	500	●	3P+N+≐	7	<b>476347</b>	1
125 window b	400	●	3P+≐	6	<b>476436</b>	1
	400	●	3P+N+≐	6	<b>476446</b>	1
	500	●	3P+≐	7	<b>476437</b>	1
	500	●	3P+N+≐	7	<b>476447</b>	1

**Features:** complete with pilot contact used for the electrical interlock. Sealable screws. Handle padlockable in the "0" position with 2 padlocks up to 4.5 mm.  
**Notes:** the mounting plates are the responsibility of the customer. Characteristics of MCB on page 134.

MODULE 250



Wall-mounted socket-outlets with transformer 50/60Hz IP67

Rated current (A)	Rated voltage (V)	Poles	Power (VA)	Palazzoli code	Pack Qty
16 window b	230/48	2P	720	<b>471819</b>	1
	400/48	2P	720	<b>471839</b>	1

**Features:** continuous class II duty safety transformer enabled by the plug by means of microswitch. Sealable screws.  
**Notes:** mouth of the 32A socket with microswitch of plug code 477106. The mounting plate is the responsibility of the customer.



Boxes in thermosetting GRP for the preparation of watertight enclosures IP67

Outer dimensions (mm)	Window type	Installable socket module	Palazzoli code	Pack Qty
185x185x115	a → □ ← a	2x95	<b>531200</b>	1
250x185x115	a → □ ← a	2x95/2x125 1x250	<b>531220</b>	1
250x185x115	a → □ ← a b ↓	1x250 window b	<b>531331</b>	1

**Equipment included:** back plates. Drilling templates.



Blind boxes in thermosetting GRP for the preparation of watertight enclosures IP67

For boxes with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Qty
185x185	25	<b>535320</b>	1
250x185	25	<b>535321</b>	1

**Equipment included:** complete with captive screws that can be sealed.



Covers in thermosetting GRP with transparent window according to EN50022 and accessories for the preparation of watertight enclosures IP67

For boxes with dimensions (mm)	No. of modules EN50022	Cover height (mm)	Lid height (mm)	Palazzoli code	Pack Qty
185x185	7.5	25	30	<b>535640</b>	1
250x185	11	25	30	<b>535643</b>	1

**Equipment included:** complete with captive screws that can be sealed.

**Features:** padlockable lid with tamper-proof screw.



Flat blind flanges in thermosetting GRP for the preparation of watertight enclosures IP67

Type	Window dimensions (mm)	Flange height (mm)	Palazzoli code	Pack Qty
a	110x60	15	<b>538110</b>	2
b	175x60	15	<b>538210</b>	2





# TAIS

Increased safety interlocked socket-outlets in thermosetting GRP



Adaptors in insulating material from Pg hole to metric hole IP67

Pg	From hole	Metric	to metric hole	Palazzoli code	Pack Qty
21		M25	M25	<b>538421</b>	1
29		M32	M32	<b>538429</b>	1
36		M40	M40	<b>538436</b>	1

**Features:** they allow to couple sockets with Pg or metric hole to boxes with metric hole and viceversa.



Cable glands in insulating material with metric pitch, long threading IP68

Threading	Max. mounting hole (mm)	Fastening diameter (mm)	Thread length (mm)	Palazzoli code	Pack Qty
M12x1,5	12.5	2.5-6.5	15	<b>581112</b>	100
M16x1.5	16.5	3.5-10	15	<b>581116</b>	50
M20x1.5	20.5	7-14	15	<b>581120</b>	50
M25x1.5	25.5	9-18	15	<b>581125</b>	25
M32x1,5	32.5	14-25	15	<b>581132</b>	20
M40x1,5	40.5	18-32	16	<b>581140</b>	10
M50x1.5	50.5	24-38.5	16	<b>581150</b>	5
M63x1.5	63.5	35-48	16	<b>581163</b>	5



Metric pitch locknuts in insulating material

Threading	Palazzoli code	Pack Qty
M12x1,5	<b>581212</b>	50
M16x1.5	<b>581216</b>	50
M20x1.5	<b>581220</b>	50
M25x1.5	<b>581225</b>	50
M32x1,5	<b>581232</b>	50
M40x1.5	<b>581240</b>	20
M50x1.5	<b>581250</b>	10
M63x1.5	<b>581263</b>	5

**Uses:** for fixing cable glands with metric thread on walls with through-holes.



Bus bar supports in insulating material for TAIS boxes

Installable on window type	Installable bus bars (mm)	Palazzoli code	Pack Qty
a	3 x 16x4 (16x5 - 20x4 - 20x5), 2 by 16x4 (earth and neutral), 3 of ø 9 (auxiliary circuits)	<b>538180</b>	1

**Uses:** they are used to facilitate the application of conductor busbars in watertight distribution boards composed of equipment in TAIS Grande modular insulating boxes with windows type 'a', 'b'.



Auxiliary contacts for switch status signalling

Rated current (A)	Switch type	Contact type	Palazzoli code	Pack Qty
10	16A-125A	1 NC (Late break)	<b>270326</b>	1
		1 NO postponed	<b>270327</b>	1
		1 NC	<b>270330</b>	1
		1 NO	<b>270331</b>	1
		1 NO + 1 NC	<b>270332</b>	1

**Features:** code 270332 consisting of 2 contacts.

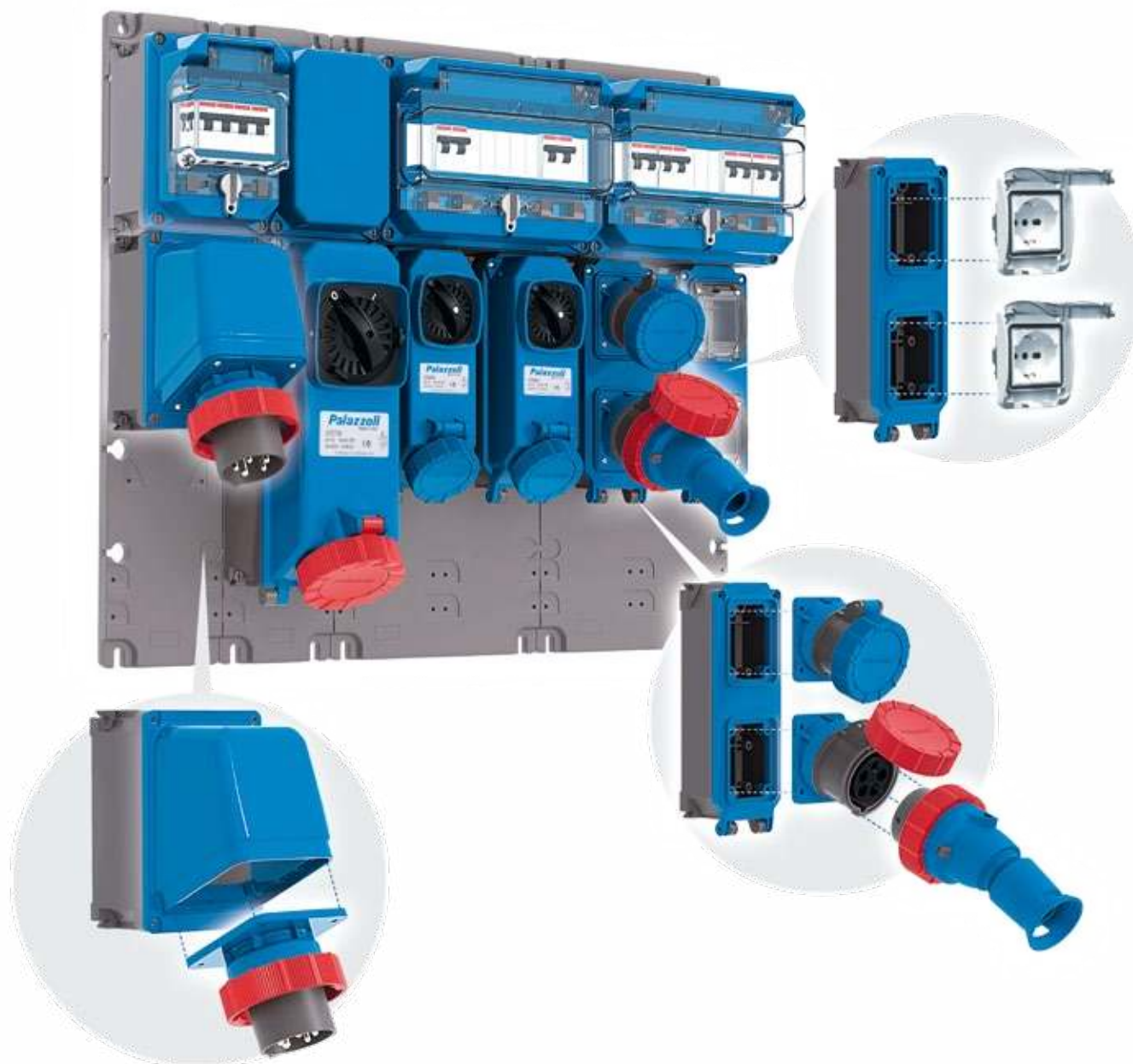


Cup shaped milling cutters in steel for quick drill connection with tungsten carbide gear teeth specific for thermosetting GRP

Hole type	Diameter (mm)	Palazzoli code	Pack Qty
M20	20.5	<b>538410</b>	1
M25	25.5		
M32	32.5		
M40	40.5		



## THE TAIS + XCEE SYSTEM



The XCEE series is perfectly compatible with the TAIS series.

This feature significantly facilitates the integration of Palazzoli's installations with convenience.

Plugs and sockets can be installed:

- in boxes in thermosetting GRP, to create multiple configurations to be fixed individually to the wall
- in sloping boxes to obtain 65° or 85° devices and reduce overall dimensions
- on plates in thermosetting GRP to be fixed on top of a blind enclosure or a control unit for protection against overcurrent and overvoltage
- in series with TAIS socket-outlets, either as a plug for powering the distribution board or as a socket-outlet for drawing energy
- in combination with domestic sockets, including watertight sockets, for powering industrial and domestic loads.

# ULYSSE

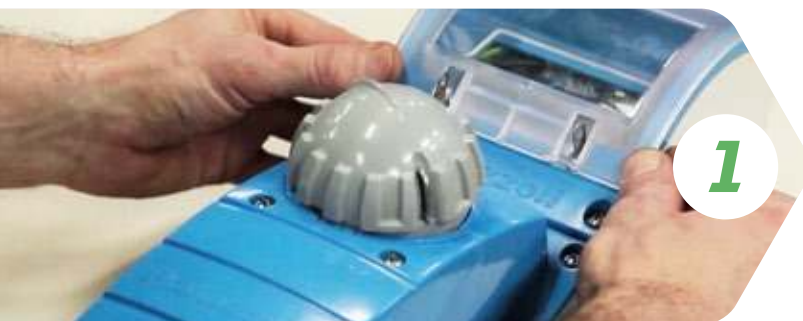




# ULYSSE

Pre-wired quick-mounting interlocked socket-outlets in thermosetting GRP

## ADVANTAGES



Pre-wired sockets and the easy quick fitting system make ULYSSE the quickest to install in the market of heavy-duty interlocked socket-outlets.

With just a few codes you can realize endless installation solutions. Also the 63A socket is perfectly modular which allows to keep the quick installation characteristics and maintain the valuable aesthetic appearance.



Design and expertise create a new kind of operation with semi spherical shape, easy to handle even with gloves on and padlockable in 0 and 1 positions.



The double protection rating IP66 and IP67 guarantees resistance against powerful jets of water (IP66) and protection against accidental immersion (IP67).



For quick and easy installation, scan the QR code.





# ULYSSE

Pre-wired quick-mounting interlocked socket-outlets in thermosetting GRP



Body material	Palazzoli Thermosetting GRP
Colour	RAL 5015 Sky blue (cover) RAL 7035 Light grey (base)
Protection rating	IP66/IP67
Impact resistance	IK08
Resistance to abnormal heat and fire	850°C (insert) 960°C (enclosure)
Flammability class	V-2 (insert) V-0 (enclosure)
Insulation class	II
Ambient operating temperature	-25°C - +50°C
Ambient storage temperature	-50°C - +80°C
Rated current	16A - 32A - 63A
Operating voltage	24V - 440V
Insulation voltage	500V
Operating frequency	50/60Hz



## DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

IEC/EN 60309-1  
IEC/EN 60309-2  
IEC/EN 60309-4  
IEC/EN 63000

Rated operating current:			16A	32A	63A
Thermal current I <sub>th</sub>	A	A	16	32	63
AC-21A	110 V - 440 V	A	16	32	63
AC-22A	110 V - 440 V	A	16	32	63
AC-23A	110V	A	16	32	63
	230V				
	400V				
	440V				
AC-23A	110V	kW	2.4	4.9	9.6
	230V		5.1	10.2	20.1
	400V		8.9	17.7	34.9
	440V		9.8	19.5	38.4
AC-3	110V	kW	2.4	4.9	9.6
	230V		5.1	10.2	20.1
	400V		8.9	17.7	34.9
	440V		9.8	19.5	38.4

Pre-wiring data:		16A	32A	63A
Cable section	mm <sup>2</sup>	2.5	6	10
Cable length	cm	40	40	40



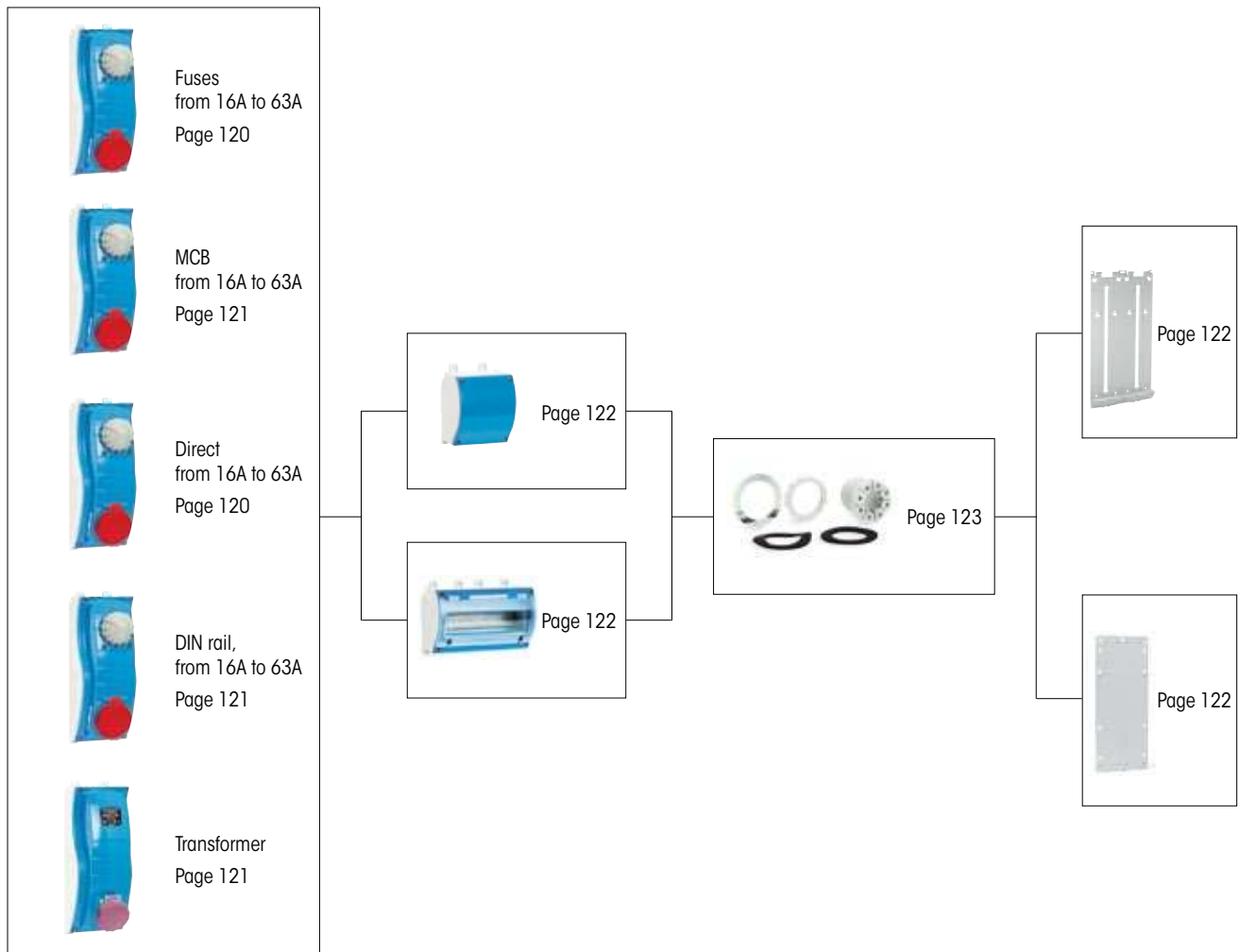


# ULYSSE

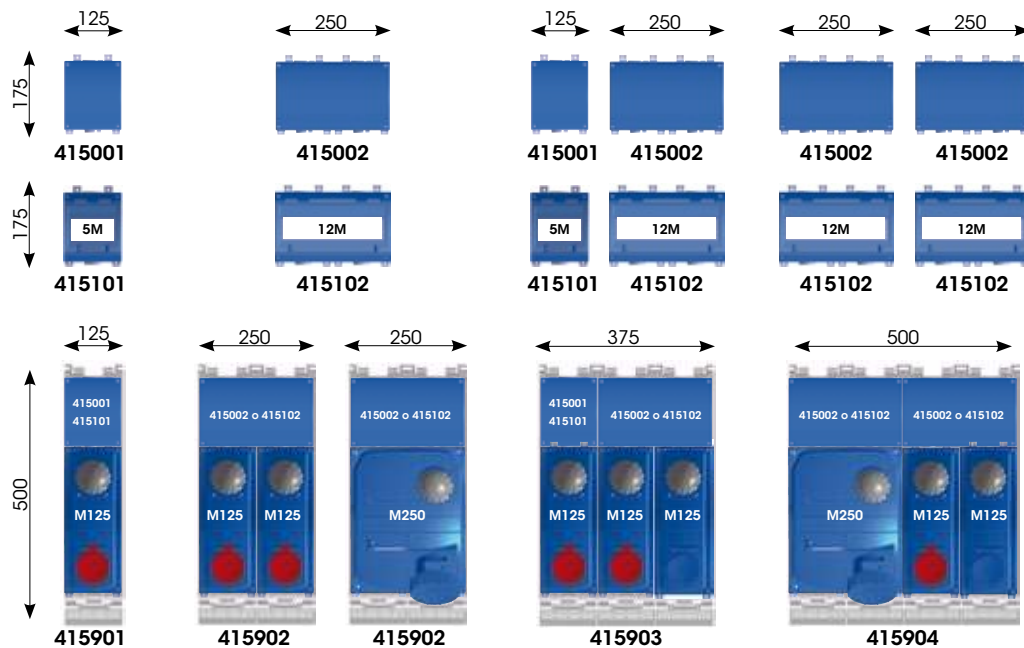
Pre-wired quick-mounting interlocked socket-outlets in thermosetting GRP

INTERLOCKED  
SOCKET-OUTLETS

## MODULARITY



### Examples of combinations





# ULYSSE

## Pre-wired quick-mounting interlocked socket-outlets in thermosetting GRP

MODULE 125



Wall-mounted interlocked socket-outlets with fuse holder base 50/60Hz IP66/IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 entry Pg29 10,3x38 fuses	110	Yellow	2P+⊕	4	<b>400124</b>	1
	110	Yellow	3P+⊕	4	<b>400134</b>	1
	110	Yellow	3P+N+⊕	4	<b>400144</b>	1
	230	Blue	2P+⊕	6	<b>400126</b>	1
	230	Blue	3P+⊕	9	<b>400139</b>	1
	230	Blue	3P+N+⊕	9	<b>400149</b>	1
	400	Red	2P+⊕	9	<b>400129</b>	1
	400	Red	3P+⊕	6	<b>400136</b>	1
	400	Red	3P+N+⊕	6	<b>400146</b>	1
	32 entry Pg29 fuses 14x51	110	Yellow	2P+⊕	4	<b>400224</b>
110		Yellow	3P+⊕	4	<b>400234</b>	1
110		Yellow	3P+N+⊕	4	<b>400244</b>	1
230		Blue	2P+⊕	6	<b>400226</b>	1
230		Blue	3P+⊕	9	<b>400239</b>	1
230		Blue	3P+N+⊕	9	<b>400249</b>	1
400		Red	2P+⊕	9	<b>400229</b>	1
400		Red	3P+⊕	6	<b>400236</b>	1
400		Red	3P+N+⊕	6	<b>400246</b>	1
380/440		Red	3P+⊕	3	<b>400233</b>	1

**Equipment included:** all the sockets are pre-wired with stripped and numbered cables.  
**Features:** fuses not included. Handle padlockable with 2 padlocks up to 6 mm.

MODULE 250



Wall-mounted interlocked socket-outlets with fuse holder base 50/60Hz IP66/IP67

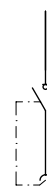
Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63 entry 2xPg29 fuses D02	110	Yellow	2P+⊕	4	<b>400324</b>	1
	110	Yellow	3P+⊕	4	<b>400334</b>	1
	110	Yellow	3P+N+⊕	4	<b>400344</b>	1
	230	Blue	2P+⊕	6	<b>400326</b>	1
	230	Blue	3P+⊕	9	<b>400339</b>	1
	230	Blue	3P+N+⊕	9	<b>400349</b>	1
	400	Red	2P+⊕	9	<b>400329</b>	1
	400	Red	3P+⊕	6	<b>400336</b>	1
	400	Red	3P+N+⊕	6	<b>400346</b>	1

**Equipment included:** all the sockets are pre-wired with stripped and numbered cables.  
**Features:** the 63A socket is perfectly modular with the 16A and 32A versions (it has the same height and double width) and can be installed evenly with the same accessories. Fuses not included. Handle padlockable with 2 padlocks up to 6 mm.

**Technical accessories:**



MODULE 125



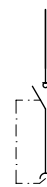
Wall-mounted interlocked socket-outlets 50/60Hz IP66/IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 entry Pg29	230	Blue	2P+⊕	6	<b>408126</b>	1
	400	Red	3P+⊕	6	<b>408136</b>	1
	400	Red	3P+N+⊕	6	<b>408146</b>	1
32 entry Pg29	230	Blue	2P+⊕	6	<b>408226</b>	1
	400	Red	3P+⊕	6	<b>408236</b>	1
	400	Red	3P+N+⊕	6	<b>408246</b>	1
	380/440	Red	3P+⊕	3	<b>408233</b>	1

**Equipment included:** all the socket-outlets are pre-wired with stripped and numbered cables.

**Features:** handle padlockable with 2 padlocks up to 6 mm.

MODULE 250



Wall-mounted interlocked socket-outlets 50/60Hz IP66/IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63 entry 2xPg29	230	Blue	2P+⊕	6	<b>408326</b>	1
	400	Red	3P+⊕	6	<b>408336</b>	1
	400	Red	3P+N+⊕	6	<b>408346</b>	1

**Equipment included:** all the socket-outlets are pre-wired with stripped and numbered cables.

**Features:** socket connected directly to the switch.

The 63A socket-outlet is perfectly modular with the 16A and 32A versions (it has the same height and double width) and can be installed homogeneously with the same accessories. Padlockable handle with 2 padlocks up to 6 mm.

**Technical accessories:**

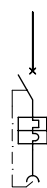




# ULYSSE

## Pre-wired quick-mounting interlocked socket-outlets in thermosetting GRP

MODULE 125



Wall-mounted interlocked socket-outlets with MCB protection 50/60Hz IP66/IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 entry Pg29	230	Blue	2P+≋	6	<b>403126</b>	1
switch 4.5kA curve C	400	Red	3P+≋	6	<b>403136</b>	1
	400	Red	3P+N+≋	6	<b>403146</b>	1
32 entry Pg29	230	Blue	2P+≋	6	<b>403226</b>	1
switch 6kA curve C	400	Red	3P+≋	6	<b>403236</b>	1
	400	Red	3P+N+≋	6	<b>403246</b>	1

**Equipment included:** all the sockets are pre-wired with stripped and numbered cables.  
**Features:** handle padlockable with 2 padlocks up to 6 mm.

MODULE 250



Wall-mounted interlocked socket-outlets with MCB protection 50/60Hz IP66/IP67

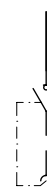
Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63 entry 2xPg29	230	Blue	2P+≋	6	<b>403326</b>	1
switch 10kA curve C	400	Red	3P+≋	6	<b>403336</b>	1
	400	Red	3P+N+≋	6	<b>403346</b>	1

**Equipment included:** all the socket-outlets are pre-wired with stripped and numbered cables.  
**Features:** the 63A socket is perfectly modular with the 16A and 32A versions (it has the same height and double width) and can be installed evenly with the same accessories. Padlockable handle with 2 padlocks up to 6 mm.

**Technical accessories:**



MODULE 125



Wall-mounted interlocked socket-outlets with DIN rail 50/60Hz IP66/IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 entry Pg29	230	Blue	2P+≋	6	<b>406126</b>	1
4.5 modules	400	Red	3P+≋	6	<b>406136</b>	1
	400	Red	3P+N+≋	6	<b>406146</b>	1
32 entry Pg29	230	Blue	2P+≋	6	<b>406226</b>	1
4.5 modules	400	Red	3P+≋	6	<b>406236</b>	1
	400	Red	3P+N+≋	6	<b>406246</b>	1
	380/440	Red	3P+≋	3	<b>406233</b>	1

**Equipment included:** all the sockets are pre-wired up to the DIN rail.  
**Features:** handle padlockable with 2 padlocks up to 6 mm.

MODULE 250



Wall-mounted interlocked socket-outlets with DIN rail 50/60Hz IP66/IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63 entry 2xPg29	230	Blue	2P+≋	6	<b>406326</b>	1
6 modules	400	Red	3P+≋	6	<b>406336</b>	1
	400	Red	3P+N+≋	6	<b>406346</b>	1

**Equipment included:** all the sockets are pre-wired up to the DIN rail.  
**Features:** the 63A socket-outlet is perfectly modular with the 16A and 32A versions (it has the same height and double width) and can be installed evenly with the same accessories. Handle padlockable with 2 padlocks up to 6 mm.

**Technical accessories:**



MODULE 125



Wall-mounted socket-outlet with safety transformer (SELV) 50/60Hz IP66/IP67

Rated current (A)	Rated voltage (V)	Poles	Power (VA)	Palazzoli code	Pack Qty
16 entry Pg29	230/24	2P	150	<b>409873</b>	1

**Equipment included:** all the sockets are pre-wired with stripped and numbered cables.  
**Features:** transformer with built-in thermal protection, enabled by a plug-activated bipolar microswitch.

**Technical accessories:**





# ULYSSE

Pre-wired quick-mounting interlocked socket-outlets in thermosetting GRP



Boxes in thermosetting GRP with blind cover for composition of socket boards IP66/IP67

Outer dimensions (mm)	No. of upper entries	No. of lower entries	Palazzoli code	Pack Qty
125x175x128	blind	1	<b>415001</b>	1
250x175x128		2	<b>415002</b>	1

**Equipment included:** coupling fitting, Gaskets for interlocked socket-outlets.  
**Features:** smooth upper and side walls with references for drilling.



Boxes in thermosetting GRP with transparent window for composition of socket boards IP66/IP67

Outer dimensions (mm)	No. of DIN modules	No. of upper entries	No. of lower entries	Palazzoli code	Pack Qty
125x175x128	5	blind	1	<b>415101</b>	1
250x175x128	12		2	<b>415102</b>	1

**Equipment included:** modular covers, coupling fitting, gaskets for interlocked socket-outlets.

**Features:** smooth upper and side walls with references for drilling. Padlockable lid.

**Technical accessories:**



Mounting plates in steel with easy clipping for composition of socket boards

Dimensions (mm)	No. of installable devices		Palazzoli code	Pack Qty
	Mod. 125	Mod. 250		
125x500	1	-	<b>415901</b>	1
250x500	2	1	<b>415902</b>	1
375x500	3	1	<b>415903</b>	1
500x500	4	2	<b>415904</b>	1

**Equipment included:** small plates for side coupling of plates.



Mounting plates in thermosetting GRP for composition of socket boards

Dimensions (mm)	No. of installable devices		Palazzoli code	Pack Qty
	Mod. 125	Mod. 250		
125x540	1	-	<b>415801</b>	1
250x540	2	1	<b>415802</b>	1

**Equipment included:** built-in threaded metal dowels, supplied with screws and stainless steel washers for fastening devices.

**Technical accessories:**



page 111



# ULYSSE

Pre-wired quick-mounting interlocked socket-outlets in thermosetting GRP



Kit for coupling boxes  
IP66/IP67

Fitting diameter	Max. mounting hole (mm)	Palazzoli code	Pack Qty
Pg21/29	29	<b>415000</b>	100

**Uses:** when preparing distribution boards, it allows side coupling of boxes.



Cable glands  
in insulating material  
with metric pitch, long threading  
IP68

Threading	Max. mounting hole (mm)	Fastening diameter (mm)	Thread length (mm)	Palazzoli code	Pack Qty
M12x1.5	12.5	2.5-6.5	15	<b>581112</b>	100
M16x1.5	16.5	3.5-10	15	<b>581116</b>	50
M20x1.5	20.5	7-14	15	<b>581120</b>	50
M25x1.5	25.5	9-18	15	<b>581125</b>	25
M32x1.5	32.5	14-25	15	<b>581132</b>	20
M40x1.5	40.5	18-32	16	<b>581140</b>	10
M50x1.5	50.5	24-38.5	16	<b>581150</b>	5
M63x1.5	63.5	35-48	16	<b>581163</b>	5



Metric pitch locknuts  
in insulating material

Threading	Palazzoli code	Pack Qty
M12x1.5	<b>581212</b>	50
M16x1.5	<b>581216</b>	50
M20x1.5	<b>581220</b>	50
M25x1.5	<b>581225</b>	50
M32x1.5	<b>581232</b>	50
M40x1.5	<b>581240</b>	20
M50x1.5	<b>581250</b>	10
M63x1.5	<b>581263</b>	5

**Uses:** for fixing cable glands with metric thread on walls with through-holes.



Auxiliary contacts  
for switch status signalling

Rated current (A)	Switch type	Contact type	Palazzoli code	Pack Qty
10	16A-125A	1 NC (Late break)	<b>270326</b>	1
		1 NO postponed	<b>270327</b>	1
		1 NC	<b>270330</b>	1
		1 NO	<b>270331</b>	1
		1 NO + 1 NC	<b>270332</b>	1

**Features:** code 270332 consisting of 2 contacts.



Safety lock with keys

Shackle diameter (mm)	Material	Palazzoli code	Pack Qty
2.75	steel - brass	<b>419000</b>	1

**Uses:** the padlock prevents the handle from being rotated.



Cup shaped milling cutters in steel  
for quick drill connection  
with tungsten carbide gear teeth  
specific for thermosetting GRP

Hole type	Diameter (mm)	Palazzoli code	Pack Qty
Pg13.5	20	<b>538400</b>	1
Pg16	22		
Pg21	29		
Pg29	38		
Pg36	46		
M20	20.5	<b>538410</b>	1
M25	25.5		
M32	32.5		
M40	40.5		



# ALUPRES





## ALUPRES

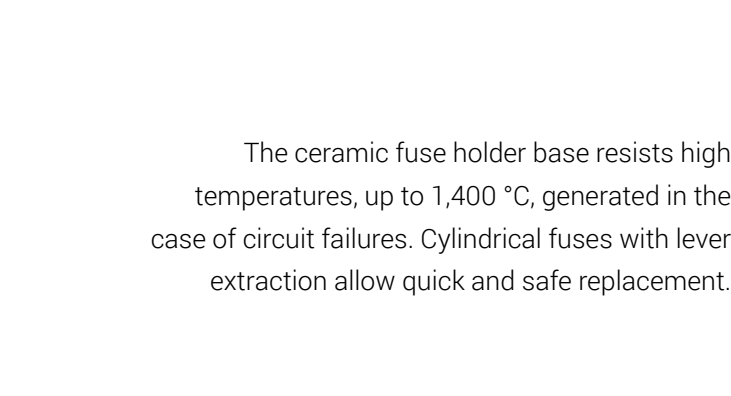
Interlocked socket-outlets in high-resistance marine aluminium

## ADVANTAGES



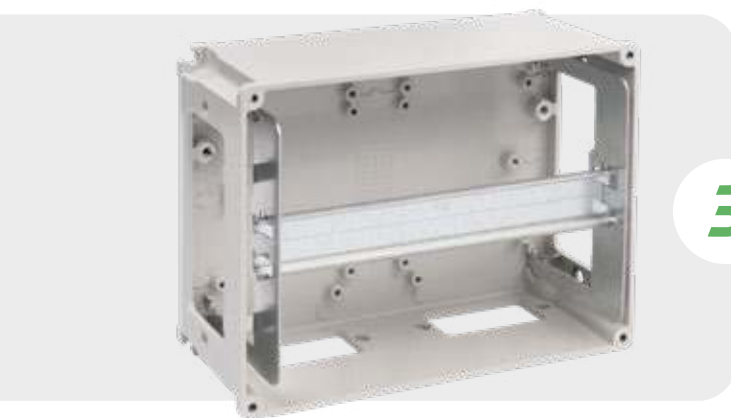
1

The "heart" of ALUPRES is an isolator switch with the AC3-AC23A category at rated current that allows a safe operation even with highly inductive loads: cutters, drills, pressure washers etc.



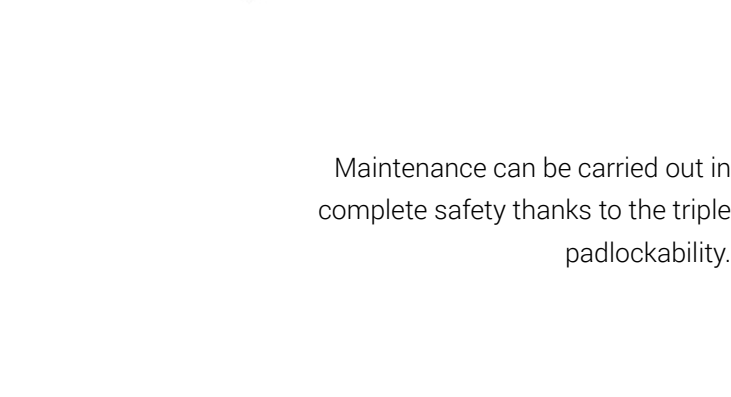
2

The ceramic fuse holder base resists high temperatures, up to 1,400 °C, generated in the case of circuit failures. Cylindrical fuses with lever extraction allow quick and safe replacement.



3

Large side openings and the high position of the DIN rail make wiring quick and convenient.



4

Maintenance can be carried out in complete safety thanks to the triple padlockability.





# ALUPRES

Interlocked socket-outlets in high-resistance marine aluminium



Body material	Marine aluminium alloy
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic, hot-polymerised polyester paint
Colour	RAL 5012 Light blue (cover) RAL 7035 Light grey (base)
Protection rating	IP66/IP67
Additional IP rating	IP69
Impact resistance	IK10
Corrosivity category	Equivalent to C3-H / C4-H
Glow Wire Test	960°C (insert)
Flammability class	V-2 (insert)
Insulation class	I
Ambient operating temperature	-50°C - +50°C -50°C - +70°C (direct)
Ambient storage temperature	-50°C - +70°C
Rated current	16A - 32A - 63A - 125A - 250A
Operating voltage	24V - 690V
Insulation voltage	690V
Operating frequency	50/60Hz



## DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

IEC/EN 60309-1  
IEC/EN 60309-2  
IEC/EN 60309-4  
IEC/EN 63000

Rated operating current:		16A	32A	63A	125A	250A	
<b>Thermal current I<sub>th</sub></b>	<b>A</b>	<b>16</b>	<b>32</b>	<b>63</b>	<b>125</b>	<b>250</b>	
AC-21A	110 V - 690 V	A	16	32	63	125	250
AC-22A	110 V - 690 V	A	16	32	63	125	250
AC-23A	110V	A	16	32	63	100	200
	230V						
	400V						
	500V						
	690V						
AC-23A	110V	kW	2.4	4.9	9.6	15.2	30.5
	230V		5.1	10.2	20.1	31.8	63.7
	400V		8.9	17.7	34.9	55.4	110.9
	500V		11.1	22.2	43.6	69.2	138.6
	690V		15.3	30.6	60.2	-	-
AC-3	110V	kW	2.4	4.9	7.6	12.2	15.2
	230V		5.1	10.2	15.9	25.5	31.9
	400V		8.9	17.7	27.7	44.3	55.4
	500V		11.1	22.2	34.6	55.4	51.9
	690V		15.3	30.6	47.8	-	-

Wiring data:		16A	32A	63A	125A	250A
Entry cable cross-section	mm <sup>2</sup>	1 - 10	6 - 35	16 - 70	35-185	
Tightening torque	Nm	2	3	10		



## ALUPRES

Interlocked socket-outlets in high-resistance marine aluminium

## ASSEMBLY INSTRUCTIONS



For quick and easy installation, scan the QR code.

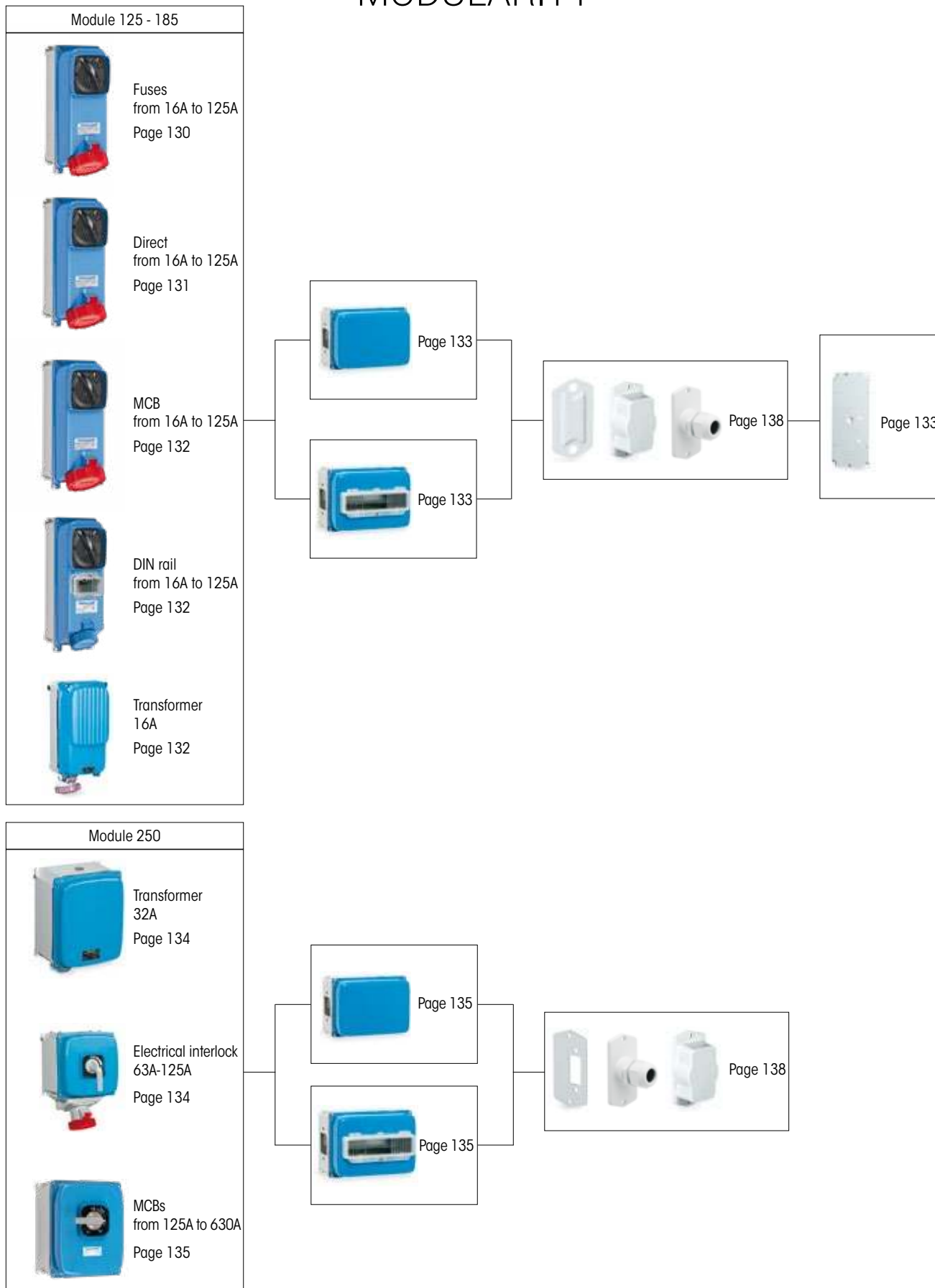




# ALUPRES

Interlocked socket-outlets in high-resistance marine aluminium

## MODULARITY







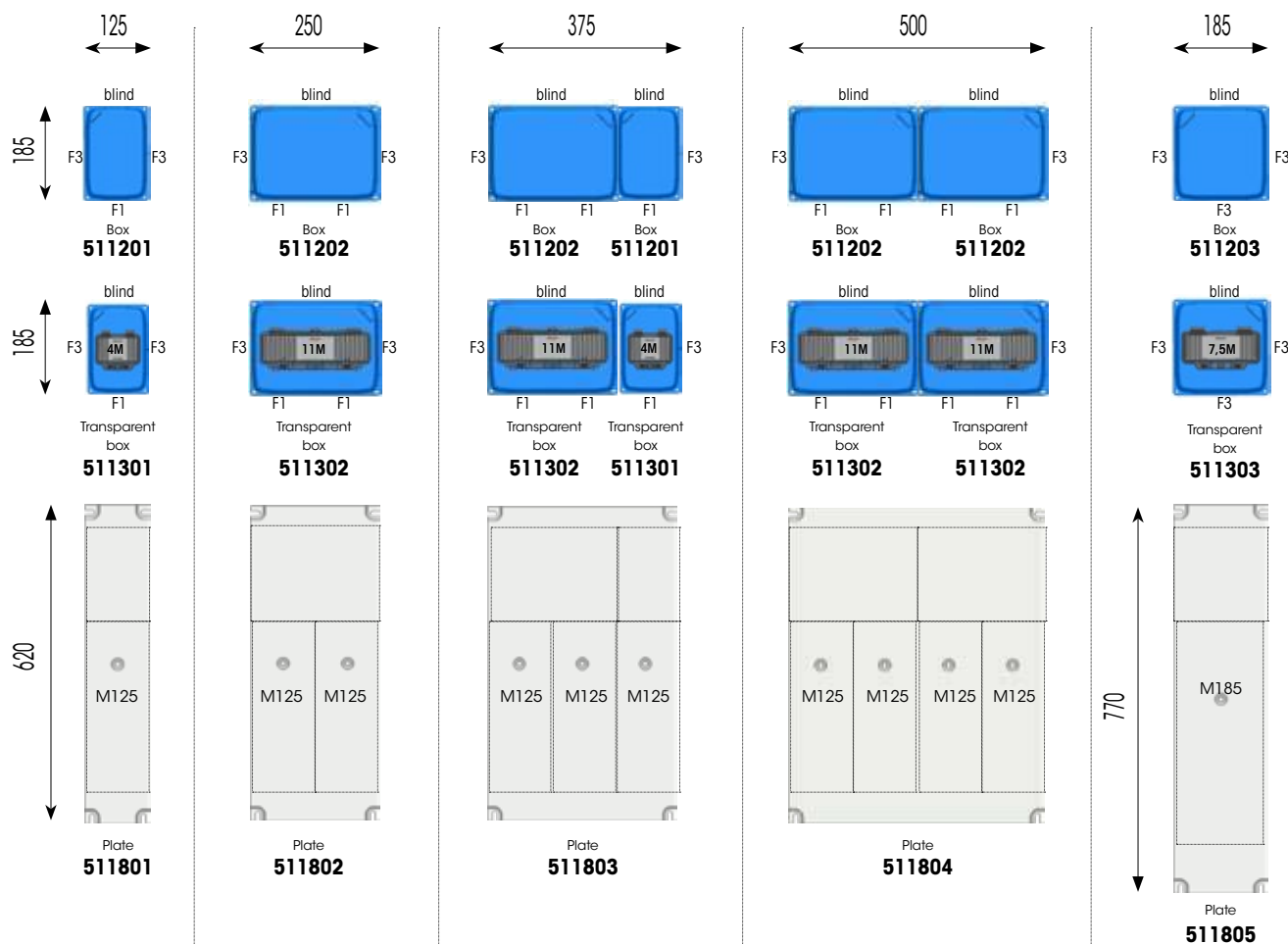
# GUIDE TO THE PREPARATION OF DISTRIBUTION BOARDS from 16A to 125A

	<b>Cylindrical fuses</b>
<b>Current</b>	<b>Fuse type</b>
16A	10x38
32A	14x51
63A	22x58
125A	NH00

	<b>Flat closing flange</b>
<b>For windows</b>	<b>Code</b>
F3	<b>540033</b>

WALL-MOUNTED INTERLOCKED SOCKET-OUTLETS IP66/IP67/IP69							
I	V	No. of poles	M125	M185	M125	M185	M125
16A	230	2P+⊕	Direct supply	Direct supply	Fuses	Fuses	Transformer 250VA
	400	3P+⊕	<b>466126</b>	<b>475126</b>			
	400	3P+N+⊕	<b>466136</b>	<b>475136</b>			
32A	230	2P+⊕	<b>466146</b>	<b>475146</b>			
	400	3P+⊕	<b>460226</b>	<b>472336</b>			
	400	3P+N+⊕	<b>460236</b>	<b>472446</b>			
63A	400	3P+⊕	<b>460246</b>	<b>472456</b>			
	400	3P+⊕	<b>460336</b>	<b>472447</b>			
	400	3P+N+⊕	<b>460346</b>	<b>472457</b>			
125A	400	3P+⊕		<b>460436</b>		<b>472418</b>	
	400	3P+N+⊕		<b>460446</b>		<b>472428</b>	
16A	24	2P 150 VA					<b>471812</b>

## Examples of combinations



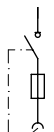
ALUPRES allows to create series up to 630A. The wealth of accessories (back plates, din rails, ceramic terminal blocks, flanges, etc.) offers great versatility in the solutions that can be realised.



# ALUPRES

Interlocked socket-outlets in high-resistance marine aluminium

MODULE 125



Wall-mounted interlocked socket-outlets with fuse holder base IP66/IP67/IP69



MODULE 185



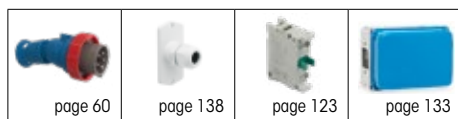
Wall-mounted interlocked socket-outlets with fuse holder base IP66/IP67/IP69



Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty	
16	50/60Hz	110	●	2P+⊕	4	<b>475124</b>	1	
	50/60Hz	110	●	3P+⊕	4	<b>475134</b>	1	
	50/60Hz	110	●	3P+N+⊕	4	<b>475144</b>	1	
	50/60Hz	230	●	2P+⊕	6	<b>475126</b>	1	
	50/60Hz	230	●	3P+⊕	9	<b>475139</b>	1	
	50/60Hz	230	●	3P+N+⊕	9	<b>475149</b>	1	
	entry F1	50/60Hz	400	●	2P+⊕	9	<b>475129</b>	1
	50/60Hz	400	●	3P+⊕	6	<b>475136</b>	1	
	10x38 fuses	50/60Hz	400	●	3P+N+⊕	6	<b>475146</b>	1
	50/60Hz	500	●	3P+⊕	7	<b>475137</b>	1	
	50/60Hz	500	●	3P+N+⊕	7	<b>475147</b>	1	
	60Hz	440-460	●	3P+⊕	11	<b>475131</b>	1	
	60Hz	440-460	●	3P+N+⊕	11	<b>475141</b>	1	
	DC	>50-250	●	2P+⊕	3	<b>475123</b>	1	
	50/60Hz	110	●	2P+⊕	4	<b>472236</b>	1	
	50/60Hz	110	●	3P+⊕	4	<b>472246</b>	1	
50/60Hz	110	●	3P+N+⊕	4	<b>472256</b>	1		
32	50/60Hz	230	●	2P+⊕	6	<b>472336</b>	1	
	50/60Hz	230	●	3P+⊕	9	<b>472346</b>	1	
	50/60Hz	230	●	3P+N+⊕	9	<b>472356</b>	1	
	entry F1	50/60Hz	400	●	2P+⊕	9	<b>472436</b>	1
	50/60Hz	400	●	3P+⊕	6	<b>472446</b>	1	
	50/60Hz	400	●	3P+N+⊕	6	<b>472456</b>	1	
	fuses 14x51	50/60Hz	500	●	3P+⊕	7	<b>472546</b>	1
	50/60Hz	500	●	3P+N+⊕	7	<b>472556</b>	1	
	60Hz	440-460	●	3P+⊕	11	<b>472466</b>	1	
	60Hz	440-460	●	3P+N+⊕	11	<b>472536</b>	1	
	50/60Hz	380/440	●	3P+⊕	3	<b>472486</b>	1	
	50/60Hz	110	●	2P+⊕	4	<b>472237</b>	1	
50/60Hz	110	●	3P+⊕	4	<b>472247</b>	1		
50/60Hz	110	●	3P+N+⊕	4	<b>472257</b>	1		
63	50/60Hz	230	●	2P+⊕	6	<b>472337</b>	1	
	50/60Hz	230	●	3P+⊕	9	<b>472347</b>	1	
	50/60Hz	230	●	3P+N+⊕	9	<b>472357</b>	1	
	entry F1	50/60Hz	400	●	2P+⊕	9	<b>472437</b>	1
	50/60Hz	400	●	3P+⊕	6	<b>472447</b>	1	
	50/60Hz	400	●	3P+N+⊕	6	<b>472457</b>	1	
	fuses 22x58	50/60Hz	500	●	3P+⊕	7	<b>472547</b>	1
	50/60Hz	500	●	3P+N+⊕	7	<b>472557</b>	1	
	60Hz	440-460	●	3P+⊕	11	<b>472387</b>	1	
	60Hz	440-460	●	3P+N+⊕	11	<b>472397</b>	1	
	DC	>50-250	●	2P+⊕	3	<b>472377</b>	1	

**Features:** handle padlockable with 3 padlocks up to 8 mm. Fuses not included. Internal and external earth connection.

**Technical accessories:**



Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty	
125	50/60Hz	110	●	3P+⊕	4	<b>472248</b>	1	
	50/60Hz	110	●	3P+N+⊕	4	<b>472258</b>	1	
	50/60Hz	230	●	3P+⊕	9	<b>472348</b>	1	
	50/60Hz	230	●	3P+N+⊕	9	<b>472358</b>	1	
	entry F3	50/60Hz	400	●	3P+⊕	6	<b>472418</b>	1
	50/60Hz	400	●	3P+N+⊕	6	<b>472428</b>	1	
	fuses NH00	50/60Hz	500	●	3P+⊕	7	<b>472518</b>	1
	50/60Hz	500	●	3P+N+⊕	7	<b>472528</b>	1	
	60Hz	440-460	●	3P+⊕	11	<b>472388</b>	1	
	60Hz	440-460	●	3P+N+⊕	11	<b>472398</b>	1	

**Features:** handle padlockable with 2 padlocks up to 6 mm. Fuses not included. Internal and external earth connection.

**Technical accessories:**

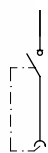




# ALUPRES

Interlocked socket-outlets in high-resistance marine aluminium

MODULE 125



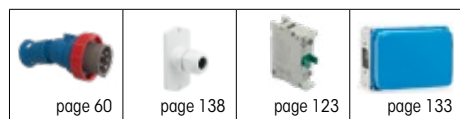
Wall-mounted interlocked socket-outlets IP66/IP67/IP69



Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty	
16	50/60Hz	110	Yellow	2P+⊕	4	<b>466124</b>	1	
	50/60Hz	110	Yellow	3P+⊕	4	<b>466134</b>	1	
	50/60Hz	110	Yellow	3P+N+⊕	4	<b>466144</b>	1	
	50/60Hz	230	Blue	2P+⊕	6	<b>466126</b>	1	
	50/60Hz	230	Blue	3P+⊕	9	<b>466139</b>	1	
	50/60Hz	230	Blue	3P+N+⊕	9	<b>466149</b>	1	
	50/60Hz	400	Red	2P+⊕	9	<b>466129</b>	1	
	50/60Hz	400	Red	3P+⊕	6	<b>466136</b>	1	
	50/60Hz	400	Red	3P+N+⊕	6	<b>466146</b>	1	
	50/60Hz	500	Black	3P+⊕	7	<b>466137</b>	1	
	50/60Hz	500	Black	3P+N+⊕	7	<b>466147</b>	1	
	60Hz	440-460	Red	3P+⊕	11	<b>466131</b>	1	
	60Hz	440-460	Red	3P+N+⊕	11	<b>466141</b>	1	
	DC	>50-250	Grey	2P+⊕	3	<b>466123</b>	1	
	32	50/60Hz	110	Yellow	2P+⊕	4	<b>460224</b>	1
		50/60Hz	110	Yellow	3P+⊕	4	<b>460234</b>	1
50/60Hz		110	Yellow	3P+N+⊕	4	<b>460244</b>	1	
50/60Hz		230	Blue	2P+⊕	6	<b>460226</b>	1	
50/60Hz		230	Blue	3P+⊕	9	<b>460239</b>	1	
50/60Hz		230	Blue	3P+N+⊕	9	<b>460249</b>	1	
50/60Hz		400	Red	2P+⊕	9	<b>460229</b>	1	
50/60Hz		400	Red	3P+⊕	6	<b>460236</b>	1	
50/60Hz		400	Red	3P+N+⊕	6	<b>460246</b>	1	
50/60Hz		500	Black	3P+⊕	7	<b>460237</b>	1	
50/60Hz		500	Black	3P+N+⊕	7	<b>460247</b>	1	
60Hz		440-460	Red	3P+⊕	11	<b>460231</b>	1	
60Hz		440-460	Red	3P+N+⊕	11	<b>460241</b>	1	
50/60Hz		380/440	Red	3P+⊕	3	<b>460233</b>	1	
63		50/60Hz	110	Yellow	2P+⊕	4	<b>460324</b>	1
		50/60Hz	110	Yellow	3P+⊕	4	<b>460334</b>	1
	50/60Hz	110	Yellow	3P+N+⊕	4	<b>460344</b>	1	
	50/60Hz	230	Blue	2P+⊕	6	<b>460326</b>	1	
	50/60Hz	230	Blue	3P+⊕	9	<b>460339</b>	1	
	50/60Hz	230	Blue	3P+N+⊕	9	<b>460349</b>	1	
	50/60Hz	400	Red	2P+⊕	9	<b>460329</b>	1	
	50/60Hz	400	Red	3P+⊕	6	<b>460336</b>	1	
	50/60Hz	400	Red	3P+N+⊕	6	<b>460346</b>	1	
	50/60Hz	500	Black	3P+⊕	7	<b>460337</b>	1	
	50/60Hz	500	Black	3P+N+⊕	7	<b>460347</b>	1	
	60Hz	440-460	Red	3P+⊕	11	<b>460331</b>	1	
	60Hz	440-460	Red	3P+N+⊕	11	<b>460341</b>	1	
	DC	>50-250	Grey	2P+⊕	3	<b>460333</b>	1	

**Features:** handle padlockable with 3 padlocks up to 8 mm. Internal and external earth connection.

**Technical accessories:**



MODULE 185



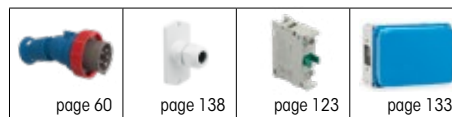
Wall-mounted interlocked socket-outlets IP66/IP67/IP69



Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty	
125	50/60Hz	110	Yellow	3P+⊕	4	<b>460434</b>	1	
	50/60Hz	110	Yellow	3P+N+⊕	4	<b>460444</b>	1	
	50/60Hz	230	Blue	3P+⊕	9	<b>460439</b>	1	
	50/60Hz	230	Blue	3P+N+⊕	9	<b>460449</b>	1	
	50/60Hz	400	Red	3P+⊕	6	<b>460436</b>	1	
	50/60Hz	400	Red	3P+N+⊕	6	<b>460446</b>	1	
	50/60Hz	500	Black	3P+⊕	7	<b>460437</b>	1	
	50/60Hz	500	Black	3P+N+⊕	7	<b>460447</b>	1	
	60Hz	440-460	Red	3P+⊕	11	<b>460431</b>	1	
	60Hz	440-460	Red	3P+N+⊕	11	<b>460441</b>	1	
	entry F3							

**Features:** handle padlockable with 2 padlocks up to 6 mm. Internal and external earth connection.

**Technical accessories:**

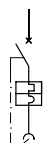




# ALUPRES

Interlocked socket-outlets in high-resistance marine aluminium

MODULE 125



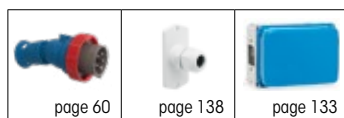
Wall-mounted interlocked socket-outlets with MCB protection IP66/IP67/IP69



Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty	
16	50/60Hz	110	Yellow	2P+⊕	4	<b>474633</b>	1	
	50/60Hz	110	Yellow	3P+⊕	4	<b>474643</b>	1	
	50/60Hz	110	Yellow	3P+N+⊕	4	<b>474653</b>	1	
	50/60Hz	230	Blue	2P+⊕	6	<b>474733</b>	1	
	50/60Hz	230	Blue	3P+⊕	9	<b>474743</b>	1	
	50/60Hz	230	Blue	3P+N+⊕	9	<b>474753</b>	1	
	switch 4.5kA curve C	50/60Hz	400	Red	2P+⊕	9	<b>474833</b>	1
		50/60Hz	400	Red	3P+⊕	6	<b>474843</b>	1
		50/60Hz	400	Red	3P+N+⊕	6	<b>474853</b>	1
	32	60Hz	440-460	Red	3P+⊕	11	<b>474863</b>	1
		60Hz	440-460	Red	3P+N+⊕	11	<b>474133</b>	1
		50/60Hz	110	Yellow	2P+⊕	4	<b>474236</b>	1
50/60Hz		110	Yellow	3P+⊕	4	<b>474246</b>	1	
50/60Hz		110	Yellow	3P+N+⊕	4	<b>474256</b>	1	
50/60Hz		230	Blue	2P+⊕	6	<b>474336</b>	1	
50/60Hz		230	Blue	3P+⊕	9	<b>474346</b>	1	
50/60Hz		230	Blue	3P+N+⊕	9	<b>474356</b>	1	
switch 6kA curve C		50/60Hz	400	Red	2P+⊕	9	<b>474436</b>	1
		50/60Hz	400	Red	3P+⊕	6	<b>474446</b>	1
		50/60Hz	400	Red	3P+N+⊕	6	<b>474456</b>	1
63		60Hz	440-460	Red	3P+⊕	11	<b>474466</b>	1
	60Hz	440-460	Red	3P+N+⊕	11	<b>474536</b>	1	
	50/60Hz	380/440	Red	3P+⊕	3	<b>474486</b>	1	
	50/60Hz	380-440	Red	3P+N+⊕	3	<b>474586</b>	1	
	50/60Hz	110	Yellow	2P+⊕	4	<b>474237</b>	1	
	50/60Hz	110	Yellow	3P+⊕	4	<b>474247</b>	1	
	50/60Hz	110	Yellow	3P+N+⊕	4	<b>474257</b>	1	
	switch 10kA curve C	50/60Hz	230	Blue	2P+⊕	6	<b>474337</b>	1
		50/60Hz	230	Blue	3P+⊕	9	<b>474347</b>	1
		50/60Hz	230	Blue	3P+N+⊕	9	<b>474357</b>	1
	entry F1	50/60Hz	400	Red	2P+⊕	9	<b>474437</b>	1
		50/60Hz	400	Red	3P+⊕	6	<b>474447</b>	1
50/60Hz		400	Red	3P+N+⊕	6	<b>474457</b>	1	
60Hz		440-460	Red	3P+⊕	11	<b>474387</b>	1	
switch 10kA curve C	60Hz	440-460	Red	3P+N+⊕	11	<b>474397</b>	1	

**Features:** handle padlockable with 3 padlocks up to 8 mm. Voltage presence indicator. Internal and external earth connection.

**Technical accessories:**



MODULE 125-185 (125A)



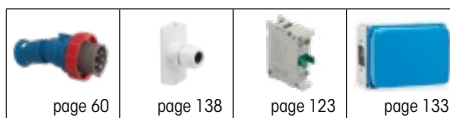
Wall-mounted interlocked socket-outlets with DIN rail IP66/IP67/IP69



Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty	
16	50/60Hz	230	Blue	2P+⊕	6	<b>472623</b>	1	
	50/60Hz	400	Red	3P+⊕	6	<b>472733</b>	1	
	4 modules	50/60Hz	400	Red	3P+N+⊕	6	<b>472843</b>	1
		50/60Hz	230	Blue	2P+⊕	6	<b>472624</b>	1
32	50/60Hz	400	Red	3P+⊕	6	<b>472734</b>	1	
	4 modules	50/60Hz	400	Red	3P+N+⊕	6	<b>472844</b>	1
		50/60Hz	380/440	Red	3P+⊕	3	<b>472735</b>	1
	63	50/60Hz	230	Blue	2P+⊕	6	<b>472027</b>	1
4 modules		50/60Hz	400	Red	3P+⊕	6	<b>472137</b>	1
		50/60Hz	400	Red	3P+N+⊕	6	<b>472647</b>	1
125		50/60Hz	400	Red	3P+⊕	6	<b>472648</b>	1
	6.5 modules	50/60Hz	400	Red	3P+N+⊕	6	<b>472649</b>	1

**Equipment included:** all sockets are pre-wired up to the DIN rail.  
**Features:** handle padlockable with 3 padlocks up to 8 mm. 125A padlockable with 2 padlocks up to 6 mm. Padlockable lid with tamper-proof screw. Internal and external earth connection.

**Technical accessories:**



MODULE 125



Wall-mounted socket-outlets with safety transformer 50/60Hz IP66/IP67/IP69

Rated current (A)	Rated voltage (V)	Poles	Power (VA)	Palazzoli code	Pack Qty
16	230/24	2P	250	<b>471812</b>	1
	400/24	2P	250	<b>471832</b>	1

**Features:** continuous class II duty safety transformer enabled by the plug by means of microswitch. Internal and external earth connection.

**Technical accessories:**





# ALUPRES

Interlocked socket-outlets in high-resistance marine aluminium



High-capacity watertight boxes with blind cover in marine aluminium IP66/IP67/IP69

Outer dimensions (mm)	Window type	Max. number of installable socket-outlets		Palazzoli code	Pack Qty
		Mod.125	Mod.185		
125x185		1	-	<b>511201</b>	1
185x185		-	1	<b>511203</b>	1
250x185		2	-	<b>511202</b>	1

**Features:** boxes prepared for the installation of saddle terminal blocks and DIN rails.

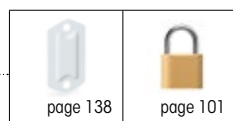


High-capacity watertight boxes with transparent door in marine aluminium IP66/IP67/IP69

Outer dimensions (mm)	Window type	Max. number of installable socket-outlets		No. of DIN modules	Palazzoli code	Pack Qty
		Mod.125	Mod.185			
125x185		1	-	4	<b>511301</b>	1
185x185		-	1	7.5	<b>511303</b>	1
250x185		2	-	11	<b>511302</b>	1

**Features:** padlockable lid and with tamper-proof screw.

**Technical accessories:**



Branch terminal blocks in ceramic with saddle terminals 500V

Dimensions (mm)	No. of poles per section	Palazzoli code	Pack Qty
70x101	4x16 mm <sup>2</sup>	<b>159040</b>	10
78x101	3x25 mm <sup>2</sup>	<b>159032</b>	1
92x128	4x25 mm <sup>2</sup>	<b>159042</b>	5
86x128	3x35 mm <sup>2</sup>	<b>159033</b>	5
102x150	4x35 mm <sup>2</sup>	<b>159043</b>	1
100x150	3x70 mm <sup>2</sup>	<b>159034</b>	1



DIN rails for high-capacity boxes

For box dimensions	Guide useful length (mm)	Fixing at the bottom of the box	Palazzoli code	Pack Qty
125x185	60	illumination	<b>521009</b>	1
185x185	125	horizontal / diagonal	<b>521012</b>	1
250x185	170	illumination	<b>521014</b>	1

**Equipment included:** screws for fixing to the box seats.  
**Notes:** code 521012 can be fixed diagonally in all boxes.



Steel back plates for high-capacity boxes

For box dimensions	Plate dimensions (mm)	Palazzoli code	Pack Qty
125x185	83x145	<b>532700</b>	1
185x185	160x140	<b>532701</b>	1
250x185	208x145	<b>532702</b>	1

**Uses:** for fastening terminal blocks or non-modular devices.



Painted steel mounting plates for high-capacity distribution boards

Dimensions (mm)	No. of installable devices	Installable device module	Palazzoli code	Pack Qty
125x620	1	125	<b>511801</b>	1
250x620	2		<b>511802</b>	1
376x620	3		<b>511803</b>	1
500x620	4		<b>511804</b>	1
185x770	1		185	<b>511805</b>

**Equipment included:** designed with threaded holes and including stainless steel screws for fixing the devices.



Pair of plates complete with screws for the coupling of plates

For mounting plate code	Palazzoli code	Pack Qty
511801, 511802, 511803, 511804, 511805, 532826	<b>532895</b>	1





# ALUPRES

## Interlocked socket-outlets in high-resistance marine aluminium

MODULE 250



Wall-mounted socket-outlets with electrical interlock and MCB protection 50/60Hz IP65



Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63 entry F5	400	●	3P+≐	6	<b>475336</b>	1
	400	●	3P+N+≐	6	<b>475346</b>	1
	500	●	3P+≐	7	<b>475337</b>	1
125 entry F5	500	●	3P+N+≐	7	<b>475347</b>	1
	400	●	3P+≐	6	<b>475436</b>	1
	400	●	3P+N+≐	6	<b>475446</b>	1
	500	●	3P+≐	7	<b>475437</b>	1
	500	●	3P+N+≐	7	<b>475447</b>	1

**Features:** complete with pilot contact used for the electrical interlock. Handle padlockable in the "0" position with 2 padlocks up to 4.5 mm.

MODULE 250



Wall-mounted socket-outlets with electrical interlock and MCB/RCD protection 50/60Hz IP65



Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63 entry F5	400	●	3P+≐	6	<b>473336</b>	1
	400	●	3P+N+≐	6	<b>473346</b>	1
	500	●	3P+≐	7	<b>473337</b>	1
125 entry F5	500	●	3P+N+≐	7	<b>473347</b>	1
	400	●	3P+≐	6	<b>473436</b>	1
	400	●	3P+N+≐	6	<b>473446</b>	1
	500	●	3P+≐	7	<b>473437</b>	1
	500	●	3P+N+≐	7	<b>473447</b>	1

**Features:** complete with pilot contact used for the electrical interlock. Handle padlockable in the "0" position with 2 padlocks up to 4.5 mm.

**Technical accessories:**



**FEATURES OF THE ELECTRICALLY INTERLOCKED SOCKET PROTECTION**

**MCB**

Rated impulse seal voltage  $U_i$  800V Rated impulse-withstand voltage  $U_{imp}$  8kV Breaking capacity  $I_{cu}$  (400V) 8kA Breaking capacity  $I_{cu}$  (500V) 8kA Mechanical duration 25000 operations Electrical duration 8000 operations Overload protection regulation 0.7-1 x  $I_n$  Short-circuit protection 10 x Neutral protection 50%

**RCD**

Protection type A - AC Operating voltage 85-690V Operating frequency 45-66Hz Failure frequency 50-60Hz Trip threshold setting 0.03A - 0.1A - 0.3A - 0.5A - 1A - 3A Intervention time instantaneous Absorbed power <5W 690Vac

MODULE 250



Wall-mounted socket-outlets with safety transformer 50/60Hz IP66/IP67/IP69

Rated current (A)	Rated voltage (V)	Poles	Power (VA)	Palazzoli code	Pack Qty
32 entry M25	230/48	2P	720	<b>471818</b>	1
	400/48	2P	720	<b>471838</b>	1

**Equipment included:** cable gland and screwcaps M25. **Features:** class II continuous duty safety transformer activated by a plug microswitch. Socket-outlet prepared for coupling with F4 window.

**Technical accessories:**



MODULE 250



Marine aluminium windowed boxes for 1 main switch IP65

Outer dimensions (mm)	Window type	Palazzoli code	Pack Qty
252x315x261		<b>274401</b>	1

**Equipment included:** 210x235 mm back plate.

**Technical accessories:**



Steel windowed boxes for 1 main switch IP65

Outer dimensions (mm)	Window type	Palazzoli code	Pack Qty
400x600x318		<b>274402</b>	1

**Equipment included:** 540x340 mm back plate. **Notes:** painted galvanised steel boxes with F3 side entries and blind top wall.

**Technical accessories:**





# ALUPRES

Interlocked socket-outlets in high-resistance marine aluminium

MODULE 250



MCBs in marine aluminium box with windowed entries IP65

F5 exit

Rated current (A)	Poles	Icu (kA)	Palazzoli code	Pack Qty
125 entry F4	4P	18	<b>274412</b>	1
160 entry F4	4P	18	<b>274416</b>	1
250 entry F4	4P	36	<b>274425</b>	1

**Features:** handle padlockable in the "0" position with 2 padlocks up to 4.5 mm.

**Technical accessories:**



MCBs in steel box with windowed entries IP65

Rated current (A)	Poles	Icu (kA)	Window type	Palazzoli code	Pack Qty
400 entry 2xF3	4P	36		<b>274440</b>	1
630 entry 2xF3	4P	36		<b>274463</b>	1

**Features:** handle padlockable in the "0" position with 2 padlocks up to 4.5 mm.

**Notes:** painted galvanised steel boxes with F3 side entries and blind top wall.

**Technical accessories:**



MODULE 250

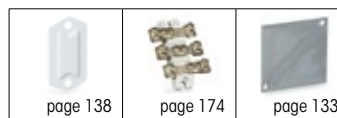


High-capacity boxes with blind cover in marine aluminium IP66/IP67/IP69

Outer dimensions (mm)	Window type	Max. number of installable socket-outlets Mod. 250	Palazzoli code	Pack Qty
250x185		1	<b>511204</b>	1

**Features:** boxes prepared for the installation of saddle terminal blocks and DIN rails.

**Technical accessories:**



MODULE 250

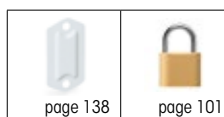


High-capacity boxes with transparent door in marine aluminium IP66/IP67/IP69

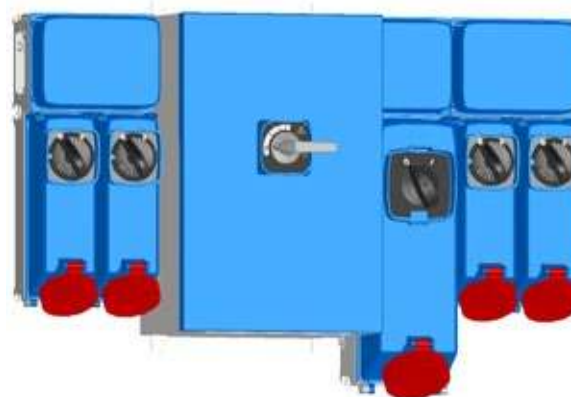
Outer dimensions (mm)	Window type	Max. number of installable socket-outlets Mod. 250	No. of DIN modules	Palazzoli code	Pack Qty
250x185		1	11	<b>511304</b>	1

**Features:** padlockable lid with tamper-proof screw.

**Technical accessories:**



## Examples of combinations



Distribution board consisting of a MCB and interlocked socket-outlets

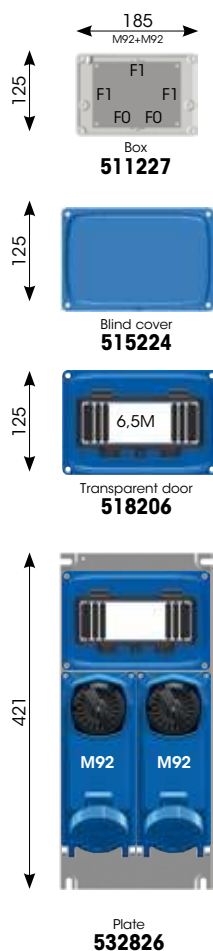
### FEATURES OF THE MCB PROTECTION OF WALL-MOUNTED SWITCHES

Feature	125-160A	250A	400A	630A
Rated insulation voltage Ui	800V	800V	1,000V	1,000V
Rated impulse-withstand voltage Uimp	8kV	8kV	8kV	8kV
Breaking capacity Icu (415 V)	18kA	36kA	36kA	36kA
Breaking capacity Icu (500 V)	8kA	20kA	25kA	25kA
Mechanical life in cycles	25,000	25,000	2,000	20,000
Electrical life at 415 V in cycles	8,000	8,000	7,000	5,000
Overload protection regulation x In	0.7-1	0.7-1	0.4-1	0.4-1
Short-circuit protection	10 x In	10 x In	10 x In	10 x In
Neutral protection	50%	50%	50-100%	50-100%

# Guide to the preparation of compact 16A distribution boards

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## Compositions



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The socket-outlets with 16A fuses  
of the compact system are  
only 9 cm wide.

It is therefore possible  
to install boards  
with 2 socket-outlets  
on 20 cm columns.

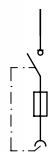




# ALUPRES

Interlocked socket-outlets in high-resistance marine aluminium

MODULE 92



Wall-mounted compact interlocked socket-outlets with fuse holder base 50/60Hz IP66/IP67/IP69

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Qty
16	110	Yellow	2P+⊕	4	<b>472233</b>	1
	110	Yellow	3P+⊕	4	<b>472243</b>	1
	110	Yellow	3P+N+⊕	4	<b>472253</b>	1
	230	Blue	2P+⊕	6	<b>472333</b>	1
	230	Blue	3P+⊕	9	<b>472343</b>	1
	230	Blue	3P+N+⊕	9	<b>472353</b>	1
fuses E16 NDZ	400	Red	2P+⊕	9	<b>472433</b>	1
	400	Red	3P+⊕	6	<b>472443</b>	1
	400	Red	3P+N+⊕	6	<b>472453</b>	1

**Features:** handle padlockable with 3 padlocks up to 8 mm. Fuses not included.

MODULE 92

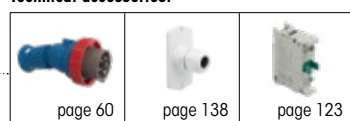


Wall-mounted compact interlocked socket-outlets 50/60Hz IP66/IP67/IP69

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Qty
16 entry FO	230	Blue	2P+⊕	6	<b>460126</b>	1
	400	Red	3P+⊕	6	<b>460136</b>	1
	400	Red	3P+N+⊕	6	<b>460146</b>	1

**Features:** handle padlockable with 3 padlocks up to 8 mm.

**Technical accessories:**



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Painted steel mounting plate for compact distribution boards

Dimensions (mm)	No. of installable devices	Installable device module	Palazzoli code	Pack Qty
185x421	2	2x92	<b>532826</b>	1

**Equipment included:** designed with threaded holes and includes stainless steel screws for fastening devices.



Compact box in aluminium alloy with windowed walls IP67

Outer dimensions (mm)	Window type	Installable sockets	Palazzoli code	Pack Qty
185x125x63		92 + 92	<b>511227</b>	1

**Equipment included:** free windows with gaskets in non-ageing elastomer and screws for applying accessories or for coupling with other boxes. Internal and external earth screws. Box without back plate.  
**Notes:** the box shown in the table refers to the one used in compositions of compact socket boards.

**Technical accessories:**



page 138



High blind cover for compact box IP67

For box with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Qty
185x125	50	<b>515224</b>	1

**Equipment included:** complete with non-ageing gasket and captive stainless steel fixing screws.



Cover with transparent window and DIN rail for compact box IP67

For box with dimensions (mm)	No. of DIN modules	Cover height (mm)	Lid height (mm)	Palazzoli code	Pack Qty
185x125	6.5	50	30	<b>518206</b>	1

**Equipment included:** complete with non-ageing gasket and captive stainless steel fixing screws.

**Features:** when fitted in the box they allow the installation of modular devices. Padlockable lid and with tamper-proof screw.



# ALUPRES

Interlocked socket-outlets in high-resistance marine aluminium



Flat blind flanges  
in steel for windowed walls  
IP66/IP67/IP69

For windows	Projection (mm)	Palazzoli code	Pack Qty
F0	2.5	<b>540090</b>	5
F1	5.5	<b>540091</b>	5
F3	6	<b>540033</b>	2
F4	6	<b>540034</b>	2
F5	7	<b>540035</b>	2

**Uses:** they close unused windows. They can be drilled for cable gland installation.



Raised closing flanges  
in aluminium alloy  
for windowed walls  
IP66/IP67/IP69

For windows	Projection (mm)	Palazzoli code	Pack Qty
F1	32	<b>540061</b>	1
F3	50	<b>540063</b>	1
F4	50	<b>540064</b>	1
F5	80	<b>540065</b>	1

**Uses:** they close unused windows. They facilitate the wiring as they increase the internal volume of the enclosure.



Flanges in aluminium alloy  
with metric threading  
and cable gland  
for windowed walls  
IP66/IP67/IP69

For windows	Threading type	Tightening diameter (mm)	Palazzoli code	Pack Qty
F0	M25	9-18	<b>541050</b>	1
F1	M25	9-18	<b>541055</b>	1
F1	M32	14-25	<b>540180</b>	1
F3	M40	18-32	<b>540190</b>	1
F3	M50	24-39	<b>540191</b>	1
F4	M40	18-32	<b>540193</b>	1
F5	M50	24-39	<b>540195</b>	1



90° angled one way junctions  
in aluminium alloy for windowed walls  
IP30


For windows	Projection (mm)	Internal hole ø (mm)	Palazzoli code	Pack Qty
F1	53	32	<b>545081</b>	1
F3	83	54	<b>545083</b>	1

**Uses:** suitable for entry with unthreaded pipes or cables.

**Notes:** the IP rating depends on the positioning of the junction with respect to the water source and on the installation measures taken.



Reducers  
in steel for windows  
IP67

Shape	Reducer type for window	Reducer type for window	Thickness (mm)	Palazzoli code	Pack Qty
	F5	F4	5	<b>547054</b>	1

**Uses:** boxes and socket-outlets can be interfaced with different windows.



Cable glands in nickel-plated brass  
with metric threading  
IP68

Threading	Max. mounting hole (mm)	Tightening diameter (mm)	Thread length (mm)	Palazzoli code	Pack Qty
M12x1,5	12.5	2.5-6.5	6.5	<b>582012</b>	100
M16x1,5	16.5	4-9.5	7	<b>582016</b>	50
M20x1,5	20.5	7-13	8	<b>582020</b>	50
M25x1,5	25.5	8-16	8	<b>582025</b>	25
M32x1,5	32.5	11-21	9	<b>582032</b>	20
M40x1,5	40.5	15-27	9	<b>582041</b>	10
M50x1,5	50.5	22-35	10	<b>582050</b>	5





# ALUPRES

Interlocked socket-outlets in high-resistance marine aluminium

Body material	<b>Marine aluminium alloy</b>
Surface treatment	<b>Fluorozirconate passivation</b>
Surface finish	<b>Non-toxic, hot-polymerised polyester paint</b>
Colour	<b>RAL 5015 Sky blue (cover) RAL 7035 Light grey (base)</b>
Protection rating	<b>IP55</b>
Impact resistance	<b>IK10</b>
Corrosivity category	<b>Equivalent to C3-H / C4-H</b>
Resistance to abnormal heat and fire	<b>960°C (insert)</b>
Insulation class	<b>I</b>
Ambient operating temperature	<b>-50°C - +50°C</b>
Ambient storage temperature	<b>-50°C - +70°C</b>
Rated current	<b>250A</b>
Operating voltage	<b>500V</b>
Insulation voltage	<b>500V</b>
Operating frequency	<b>50/60Hz</b>



## DIRECTIVES

2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

IEC/EN 60309-1  
IEC/EN 60309-4  
IEC/EN 63000

Wiring data:		250A
Entry cable cross-section	mm <sup>2</sup>	35 - 185
Tightening torque	Nm	10

MODULE 315



Wall-mounted interlocked socket-outlet with aligned poles with fuse holder base 50/60Hz IP55

Rated current (A)	Rated voltage (V)	Poles	Palazzoli code	Pack Qty
250 entry F5 fuses ACR NH-1	500 max	3P+≐	<b>422039</b>	1

**Equipment included:** gaskets and screws for fixing the accessories. Earth screws inside and outside the box.  
**Features:** padlockable handle. Fuses not included.

### Technical accessories:



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page 430



Wall-mounted fixed socket-outlet with aligned poles 50/60Hz IP55

Rated current (A)	Rated voltage (V)	Poles	Window type	Palazzoli code	Pack Qty
250	500	3P+≐	F5	<b>421029</b>	1

### Technical accessories:



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Straight mobile plug with aligned poles 50/60Hz IP55

Rated current (A)	Rated voltage (V)	Poles	Palazzoli code	Pack Qty
250	500	3P+≐	<b>427019</b>	1



# ALUMAX

Socket-outlets with electrical interlock in steel for high amperages

Body material	Aluminium alloy (plugs) Steel (socket-outlet)
Surface treatment	Galvanising
Surface finish	Hot-polymerised non-toxic polyester
Colour	RAL5015 Sky blue (front) RAL 7035 Light grey (box)
Protection rating	IP67 (plugs) IP65 (protected wall-mounted sockets)
Impact resistance	IK10
Insulation class	I
Ambient operating temperature	-30°C - +60°C
Ambient storage temperature	-50°C - +70°C
Rated current	250A - 320A - 400A
Operating voltage	Up to 500V
Insulation voltage	800V - 1000V
Operating frequency	50/60Hz
Pilot contacts	2
Pilot contacts clamping section	2.5 mm <sup>2</sup>



### DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

### PRODUCT STANDARDS

IEC/EN 61439-1  
IEC/EN 61439-2  
IEC/EN 60947-2  
IEC/EN 63000

#### Cable features:

Rated current (A)	Poles	Entry cable diameter (mm)	Entry cable cross-section (mm <sup>2</sup> )
250	3P+≐	21 - 42	50 - 70
	3P+N+≐		
320	3P+≐	38 - 62	120
	3P+N+≐		
400	3P+≐	38 - 62	150
	3P+N+≐		



Wall-mounted 250A socket-outlets with electrical interlock and MCB protection 50/60Hz IP65

Rated current (A)	Rated voltage (V)	Poles	No. of pilot contacts (mm <sup>2</sup> )	Palazzoli code	Pack Qty
250	400	3P+≐	2x10	<b>480530</b>	1
		3P+N+≐	2x6	<b>480550</b>	1
	500	3P+≐	2x10	<b>480531</b>	1
		3P+N+≐	2x6	<b>480551</b>	1

Features: handle padlockable on "0" with 2 padlocks up to 4.5 mm.



Wall-mounted 320A - 400A socket-outlets with electrical interlock and MCB protection 50/60Hz IP65

Rated current (A)	Rated voltage (V)	Poles	No. of pilot contacts (mm <sup>2</sup> )	Palazzoli code	Pack Qty
320	400	3P+N+≐	2x6	<b>480650</b>	1
	500	3P+N+≐	2x6	<b>480651</b>	1
400	400	3P+N+≐	2x6	<b>480750</b>	1
	500	3P+N+≐	2x6	<b>480751</b>	1

Features: handle padlockable on "0" with 2 padlocks up to 4.5 mm.



Straight mobile plugs in aluminium alloy 50/60Hz IP67

Rated current (A)	Poles	No. of pilot contacts (mm <sup>2</sup> )	Palazzoli code	Pack Qty
250	3P+≐	2x10	<b>750530</b>	1
	3P+N+≐	2x6	<b>750550</b>	1
320	3P+N+≐	2x6	<b>750650</b>	1
400	3P+N+≐	2x6	<b>750750</b>	1



# Boards and boxes

## DISTRIBUTION AND AUTOMATION BOARDS



### TAIS CUBE

Distribution and automation boards in thermosetting GRP  
Page 148

## STANDARD APPLICATIONS



### TERBOX

Thermoplastic boxes  
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### UNIBOX

Universal boxes in aluminium  
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## HEAVY-DUTY APPLICATIONS



### TAISBOX

Combinable modular boxes in thermosetting GRP  
Page 158



### ALUCASE

Combinable boxes in aluminium  
Page 165



### FIREBOX

Fire-resistant boxes E30 - E60 - E90  
Page 169

## TERMINAL BLOCKS



### CONTACT

Terminal blocks  
Page 174

## CABLE GLANDS



### UNI

Cable glands in technopolymer and nickel-plated brass  
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# TAIS CUBE





## TAIS CUBE

Distribution and automation boards in thermosetting GRP

### ADVANTAGES



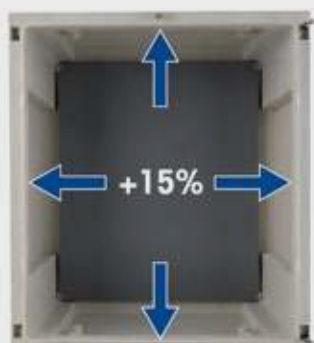
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TAIS CUBE withstands strong water jets of 100 litres per minute, is fully protected against the ingress of dust and highly resistant.

The steel frame allows for convenient bench wiring. The wired frame snaps into the distribution board.



2



3

The geometry of the casing makes TAIS CUBE very capacious. The back plate of the blind or transparent distribution board offers 15% of extra space compared to units with the same size.

The door hinges, made of steel and nickel-plated brass, are located far from the edges to avoid breakage in the case of impact.

4







## TAIS CUBE

Distribution and automation boards in thermosetting GRP



Body material	Palazzoli Thermosetting GRP
Colour	RAL 7035 Light grey
Protection rating	IP66
Impact resistance	IK09
Glow Wire Test	960°C
Flammability class	V-0
Insulation class	II
Ambient operating temperature	-30 °C - +90 °C (blind door) -30 °C - +70 °C (transparent door)
Ambient storage temperature	-50 °C - +90 °C
Rated voltage AC	1000 Vac
Rated voltage DC	1500 Vcc
Rated impulse-withstand voltage	8KV



### DIRECTIVES

2014/35/EU (LVD)

### PRODUCT STANDARDS

IEC/EN 62208

Table of the max. power dissipation allowed for TAIS-CUBE distribution boxes

Distribution board with blind door	-30 °C - +75 °C	+75 °C - +90 °C	Distribution board with transparent door	-30 °C - +55 °C	+55 °C - +70 °C
	(W)	(W)		(W)	(W)
550001	40	25	550031	40	25
550002	75	55	550032	75	55
550003	110	70	550033	110	70
550004	125	90	550034	125	90
550005	140	100	550035	140	100
550006	215	160	550036	215	160
550007	360	270	550037	360	270



## TAIS CUBE

Distribution and automation boards in thermosetting GRP

### ASSEMBLY INSTRUCTIONS



For quick and easy installation, scan the QR code.





## TAIS CUBE

Distribution and automation boards in thermosetting GRP

Size	No. of vertical modules	No. of DIN modules	Outer dimensions	Internal usable dimensions	Distribution board with blind door	Distribution board with transparent door
1	-	-	260x305x160	200x250x100	550001	550031
2	3	36 (3X12)	340x430x180	280x375x120	550002	550032
3	3	54 (3X18)	450x505x220	390x450x160	550003	550033
4	4	72 (4X18)	450x655x220	390x600x160	550004	550034
5	4	96 (4X24)	560x655x260	500x600x200	550005	550035
6	5	140 (5X28)	630x810x300	570x750x235	550006	550036
7	5	200 (5X40)	850x1060x350	790x1000x290	550007	550037










### COMMON ACCESSORIES



Set of 4 brackets		Security lock	Support for pole mounting	
Galvanised	Stainless steel		For sizes 1-2	For sizes 3-4-5
550640	550641	550680	550642	550643



## TAIS CUBE

Distribution and automation boards in thermosetting GRP

AUTOMATION			DISTRIBUTION					
								
Back plate in steel	Pre-drilled back plate in steel	Back plate in thermosetting GRP	Inner door in thermosetting GRP	Functional frame	Windowed panel	Blind panel	DIN rail	Partial steel plate
550601	550611	550621	-	-	-	-	-	-
550602	550612	550622	550502	550562	550522	550542	550582	550632
550603	550613	550623	550503	550563	550523	550543	550583	550633
550604	550614	550624	550504	550564				
550605	550615	550625	550505		550525	550545	550585	550635
550606	550616	550626	550506	550566	550526	550546	550586	550636
550607	550617	-	550507	550567	550527	550547	550587	550637

COMMON ACCESSORIES	
	
Set of 50 clips for pre-drilled plates	Set of 8 brackets for fixing cable ducts
Size 1-7	Steel
550645	550648



# TAIS CUBE

Distribution and automation boards in thermosetting GRP



Distribution boards in thermosetting GRP with blind door IP66

Size	Outer dimensions (mm)	Internal usable dimensions (mm)	No-load power dissipation (W)	Palazzoli code	Pack Qty
1	260x305x160	200x250x100	40	<b>550001</b>	1
2	340x430x180	280x375x120	75	<b>550002</b>	1
3	450x505x220	390x450x160	110	<b>550003</b>	1
4	450x655x220	390x600x160	125	<b>550004</b>	1
5	560x655x260	500x600x200	140	<b>550005</b>	1
6	630x810x300	570x750x235	215	<b>550006</b>	1
7	850x1060x350	790x1000x290	360	<b>550007</b>	1

Equipment included: key with triangular insert, screw cover caps for double insulation.



Distribution boards in thermosetting GRP with transparent door IP66

Size	Outer dimensions (mm)	No. of DIN modules	No-load power dissipation (W)	Palazzoli code	Pack Qty
1	260x305x160	-	40	<b>550031</b>	1
2	340x430x180	36 (3x12)	75	<b>550032</b>	1
3	450x505x220	54 (3x18)	110	<b>550033</b>	1
4	450x655x220	72 (4x18)	125	<b>550034</b>	1
5	560x655x260	96 (4x24)	140	<b>550035</b>	1
6	630x810x300	140 (5x28)	215	<b>550036</b>	1
7	850x1060x350	200 (5x40)	360	<b>550037</b>	1

Equipment included: key with triangular insert, screw cover caps for double insulation.

Technical accessories:



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Back plates in steel

Size	Dimensions (mm)	Palazzoli code	Pack Qty
1	180x240	<b>550601</b>	5
2	260x370	<b>550602</b>	5
3	370x445	<b>550603</b>	5
4	370x595	<b>550604</b>	1
5	475x595	<b>550605</b>	1
6	550x745	<b>550606</b>	1
7	765x995	<b>550607</b>	1

Equipment included: 4 fixing screws.



Pre-drilled back plates in steel

Size	Dimensions (mm)	Palazzoli code	Pack Qty
1	180x240	<b>550611</b>	5
2	260x370	<b>550612</b>	5
3	370x445	<b>550613</b>	5
4	370x595	<b>550614</b>	1
5	475x595	<b>550615</b>	1
6	550x745	<b>550616</b>	1
7	765x995	<b>550617</b>	1

Equipment included: 4 fixing screws.

Notes: use clip code 550645 to install the devices.



Back plates in thermosetting GRP

Size	Dimensions (mm)	Palazzoli code	Pack Qty
1	194x244	<b>550621</b>	5
2	276x370	<b>550622</b>	5
3	384x445	<b>550623</b>	5
4	384x595	<b>550624</b>	1
5	492x595	<b>550625</b>	1
6	564x745	<b>550626</b>	1

Equipment included: 4 fixing screws.



Reversible inner doors in thermosetting GRP

Size	Dimensions (mm)	Palazzoli code	Pack Qty
2	280x375	<b>550502</b>	4
3	388x450	<b>550503</b>	4
4	388x600	<b>550504</b>	4
5	496x600	<b>550505</b>	1
6	568x750	<b>550506</b>	1
7	784x1000	<b>550507</b>	1

Features: inner-door is reversible and can be easily opened using the appropriate handles. It can be installed at two different depths.





## TAIS CUBE

Distribution and automation boards in thermosetting GRP



Quick-fit functional frames for the installation of front panels and DIN rails

Size	Installable panels	Palazzoli code	Pack Qty
2	3	<b>550562</b>	6
3	3	<b>550563</b>	6
4-5	4	<b>550564</b>	6
6	5	<b>550566</b>	1
7	5	<b>550567</b>	1

**Equipment included:** 4 springs for fixing.

**Features:** it allows the wiring of the modular panels outside of the board and the installation of DIN rails at different heights.



Front windowed panels with DIN rail for modular devices

Size	Height (mm)	No. of DIN modules	Palazzoli code	Pack Qty
2	125	12	<b>550522</b>	6
3-4	150	18	<b>550523</b>	6
5	150	24	<b>550525</b>	4
6	150	28	<b>550526</b>	4
7	200	40	<b>550527</b>	1

**Equipment included:** modular covers.

**Features:** quick fitting with 1/4 turn screws.



Single-height front blind panels

Size	Height (mm)	Palazzoli code	Pack Qty
2	125	<b>550542</b>	6
3-4	150	<b>550543</b>	6
5	150	<b>550545</b>	4
6	150	<b>550546</b>	4
7	200	<b>550547</b>	1

**Features:** quick fitting with 1/4 turn screws.



Double-height front blind panels

Size	Height (mm)	Palazzoli code	Pack Qty
2	250	<b>550552</b>	4
3-4	300	<b>550553</b>	4
5	300	<b>550555</b>	1
6	300	<b>550556</b>	1
7	400	<b>550557</b>	1

**Features:** quick fitting with 1/4 turn screws.



DIN rails reinforced for functional frames

Size	No. of DIN modules	Palazzoli code	Pack Qty
2	12	<b>550582</b>	6
3-4	18	<b>550583</b>	6
5	24	<b>550585</b>	1
6	28	<b>550586</b>	1
7	40	<b>550587</b>	1



Height-adjustable partial plates in steel

Size	Height (mm)	Palazzoli code	Pack Qty
2	125	<b>550632</b>	1
3-4	150	<b>550633</b>	1
5	150	<b>550635</b>	1
6	150	<b>550636</b>	1
7	200	<b>550637</b>	1



## TAIS CUBE

Distribution and automation boards in thermosetting GRP



Set of 4 multi-purpose brackets for wall-mounting of distribution boards

No. of brackets	Material	Palazzoli code	Pack Qty
4	Galvanised steel	<b>550640</b>	20
4	Stainless steel	<b>550641</b>	5

**Features:** they can be mounted horizontally, vertically or hidden, retaining the double insulation.



Pair of accessories for pole mounting

Size	Material	Palazzoli code	Pack Qty
1-2	steel	<b>550642</b>	1
3-4-5	steel	<b>550643</b>	1

**Features:** prearrangement for metal clamp for fastening to poles with diameter >80mm.



Fixing clip with M5 thread for pre-drilled plates

No. of clips	Size	Material	Palazzoli code	Pack Qty
50	1-7	steel	<b>550645</b>	1



Set of 8 brackets for fixing the cable ducts

No. of brackets	Material	Palazzoli code	Pack Qty
8	steel	<b>550648</b>	1

**Equipment included:** complete with screws for fixing the cable ducts.

**Notes:** for all frame sizes. Suitable for cable ducts, max. height 40mm.



Adaptor kit

Size	Length (mm)	Palazzoli code	Pack Qty
2	70	<b>550662</b>	1
3-4	110	<b>550663</b>	1
5	150	<b>550665</b>	1
6	190	<b>550666</b>	1
7	240	<b>550667</b>	1

**Notes:** the kit is used to install the Click Cube frame in boxes that were not made to accommodate it (before 2015).

The adaptors can also be used as spacers for the back plates.



Security lock with handle

No. of keys	Material	Palazzoli code	Pack Qty
2	steel	<b>550680</b>	10

**Features:** closing with Yale code key. Identification code on the key.



# TERBOX

Thermoplastic boxes



Body material	<b>Thermoplastic</b>
Colour	<b>RAL 7035 Light grey</b>
Protection rating	<b>IP44 - IP56</b>
Impact resistance	<b>IK08</b>
Resistance to abnormal heat and fire	<b>650°C</b>
Flammability class	<b>HB</b>
Insulation class	<b>II</b>
Ambient operating temperature	<b>-25°C - +60°C</b>
Ambient storage temperature	<b>-30°C - +70°C</b>



## DIRECTIVES

2014/35/EU (LVD)

## PRODUCT STANDARDS

IEC/EN 60670-1  
IEC/EN 60670-22



Thermoplastic junction boxes with rubber cable glands and press-on cover IP44

Outer dimensions (mm)	Inner dimensions (mm)	No. of holes	Palazzoli code	Pack Qty
ø 91x46 h	ø 80x40 h	4	<b>791002</b>	5

**Features:** quick-entry cable glands Ø 20 mm, suitable for cables with ø from 4 to 14 mm and tubes with ø from 16 to 20 mm. Press-on cover.

**Equipment included:** screw cover caps for double insulation and external fixing brackets.



Thermoplastic junction boxes with smooth walls and blind cover IP56

Outer dimensions (mm)	Inner dimensions (mm)	Palazzoli code	Pack Qty
110x110x60	100x100x50	<b>791234</b>	5
160x120x80	150x110x70	<b>791236</b>	1
200x150x80	190x140x70	<b>791207</b>	1
250x200x100	240x190x90	<b>791208</b>	1
310x230x130	300x220x120	<b>791209</b>	1
390x310x130	380x300x120	<b>791210</b>	1

**Features:** sealable locking screws.

**Equipment included:** screw cover caps for double insulation and external fixing covers.

**Technical accessories:**



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# UNIBOX





# UNIBOX

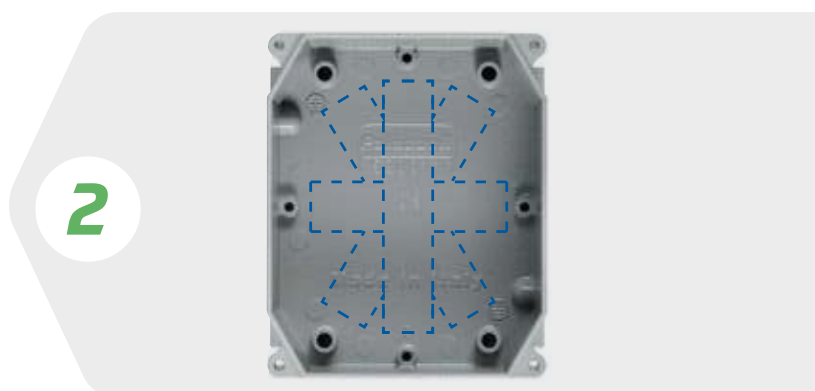
Universal boxes in aluminium

## ADVANTAGES



1 The box is screwed in by holding the screwdriver perpendicular to the screw.

The DIN rail can be positioned as desired without the use of accessories.



3 The earthing location is external. There is no need to drill the box.

UNIBOX is compatible with any product of this type on the market thanks to its fixing centre distances in line with the requirements of the technical specifications.







# UNIBOX

Universal boxes in aluminium



Body material	Aluminium alloy
Colour	RAL 7042 Traffic grey, textured
Protection rating	IP66/IP67
Impact resistance	IK08
Corrosivity category	Equivalent to C3-H / C4-H
Insulation class	I
Ambient operating temperature	-40°C - +70°C
Ambient storage temperature	-50°C - +90°C



## DIRECTIVES

2014/35/EU (LVD)

## PRODUCT STANDARDS

IEC/EN 60670-1  
IEC/EN 60670-22  
IEC/EN 62208



# UNIBOX

Universal boxes in aluminium



Junction boxes  
in aluminium alloy  
IP66/IP67

Box type	Dimensions (mm)		Palazzoli code	Pack Qty
	external	internal		
UNI B9	100x100x59	88x88x44	<b>520009</b>	30
UNI B11	115x140x61	103x128x46	<b>520011</b>	20
UNI B12	141x166x64	128x153x49	<b>520012</b>	20
UNI B14	168x192x80	152x176x65	<b>520014</b>	10
UNI B19	217x253x93	201x236x75	<b>520019</b>	1
UNI B20	264x314x122	243x295x104	<b>520020</b>	1
UNI B21	315x410x150	291x386x126	<b>520021</b>	1

**Equipment included:** 2 kits for earthing terminal connection

**Features:** boxes suited for DIN rail mounting horizontally or vertically using M4x6 self-tapping screws. DIN rail from Palazzoli is to be mounted diagonally.

**Technical accessories:**



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Non-painted junction boxes  
in aluminium alloy  
IP66/IP67

Box type	Dimensions (mm)		Palazzoli code	Pack Qty
	external	internal		
UNI B9	100x100x59	88x88x44	<b>520009NV</b>	30
UNI B11	115x140x61	103x128x46	<b>520011NV</b>	20
UNI B12	141x166x64	128x153x49	<b>520012NV</b>	20
UNI B14	168x192x80	152x176x65	<b>520014NV</b>	10
UNI B19	217x253x93	201x236x75	<b>520019NV</b>	1
UNI B20	264x314x122	243x295x104	<b>520020NV</b>	1
UNI B21	315x410x150	291x386x126	<b>520021NV</b>	1

**Equipment included:** 2 kits for earthing terminal connection

**Features:** boxes suited for DIN rail mounting horizontally or vertically using M4x6 self-tapping screws. DIN rail from Palazzoli is to be mounted diagonally.

**Technical accessories:**



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Back plates  
in galvanised steel  
for UNIBOX boxes

For box type	Dimensions (mm)	Palazzoli code	Pack Qty
UNI B11	78x119	<b>522011</b>	1
UNI B12	108x132	<b>522012</b>	1
UNI B14	125x165	<b>522014</b>	1
UNI B19	165x200	<b>522019</b>	1
UNI B20	210x250	<b>522020</b>	1
UNI B21	257x345	<b>522021</b>	1

**Equipment included:** screws for mounting inside the box, 2 kits for earthing terminal connection.



DIN rails for UNIBOX boxes

For box type	Working length (mm)	Palazzoli code	Pack Qty
UNI B9	60	<b>521009</b>	1
UNI B11	95	<b>521011</b>	1
UNI B12	125	<b>521012</b>	1
UNI B14	170	<b>521014</b>	1
UNI B19	230	<b>521019</b>	1
UNI B20	290	<b>521020</b>	1
UNI B21	380	<b>521021</b>	1

**Equipment included:** screws for mounting inside the box.

# TAISBOX





## TAISBOX

Combinable modular boxes in thermosetting GRP

### ADVANTAGES



All products of the TAIS series are made in Palazzoli Thermosetting GRP, a fire retardant material that does not produce toxic gases and is resistant to chemicals over time.

The special gaskets in non-ageing elastomer guarantee a protection rating up to IP68, for installing in areas subject to possible flooding.



The back boxes are equipped with brass threaded inserts that ensure an easy opening and closing of the cover even after long time.



Practically immune to the major part of all the aggressive substances they are the best solution for industrial installations under 1.5 m height.





## TAISBOX

Combinable modular boxes in thermosetting GRP



Body material	Palazzoli Thermosetting GRP
Colour	RAL 5015 Sky blue (cover) RAL 7042 Traffic grey (base)
Protection rating	IP66/IP67 - IP67 - IP67/IP68
Impact resistance	IK10
Resistance to abnormal heat and fire	960°C
Flammability class	V-0
Insulation class	II
Ambient operating temperature	-40°C - +90°C
Ambient storage temperature	-50°C - +90°C



### DIRECTIVES

2014/35/EU (LVD)

### PRODUCT STANDARDS

IEC/EN 62208  
IEC/EN 60670-1  
IEC/EN 60670-22



# TAISBOX

Combinable modular boxes in thermosetting GRP



Quick-mounting watertight boxes with blind cover IP66/IP67

Dimensions (mm)		Power dissipation (W)	Palazzoli code	Pack Qty
external	internal			
125x185x125	89x139x102	9	<b>532200</b>	1
190x185x125	148x145x102	9	<b>532201</b>	1
250x185x125	205x147x102	10	<b>532202</b>	1
290x185x125	249x144x102	11	<b>532203</b>	1
380x185x125	336x147x102	12	<b>532204</b>	1

**Features:** blind walls. Boxes with drilling templates.

**Notes:** the maximum power dissipation is for a maximum ambient temperature of 40 °C.



Junction boxes with low cover IP67/IP68

Dimensions (mm)		Power dissipation (W)	Palazzoli code	Pack Qty
external	internal			
92x92x68	55x57x47	4	<b>532035</b>	5
125x92x68	87x58x47	5	<b>532045</b>	1
185x92x68	150x55x47	6	<b>532055</b>	1
125x125x100	94x80x79	6	<b>532116</b>	1
185x125x100	142x92x79	7	<b>532117</b>	1
250x125x100	210x89x79	10	<b>532118</b>	1

**Features:** blind walls.

The IP68 rating test was performed at a depth of 2 m for 24 h.

**Notes:** the maximum power dissipation is for a maximum ambient temperature of 40 °C.



Junction boxes with high cover IP67/IP68

Dimensions (mm)		Power dissipation (W)	Palazzoli code	Pack Qty
external	internal			
92x92x100	55x52x79	4	<b>532005</b>	1
125x92x100	94x47x79	5	<b>532006</b>	1
185x92x100	151x50x79	6	<b>532015</b>	1
125x125x125	89x82x104	6	<b>532016</b>	1
185x125x125	144x86x104	7	<b>532017</b>	1
250x125x125	209x87x104	10	<b>532018</b>	1

**Features:** blind walls. Codes 532016, 532017, 532018 with drilling templates.

The IP68 rating test was performed at a depth of 2 m for 24 h.

**Notes:** the maximum power dissipation is for a maximum ambient temperature of 40 °C.

**Technical accessories:**



Quick-mounting watertight boxes with transparent door IP66/IP67

Outer dimensions (mm)	No. of DIN modules	Power dissipation (W)	Palazzoli code	Pack Qty
125x185x150	5	9	<b>532300</b>	1
190x185x150	8	10	<b>532301</b>	1
250x185x150	12	11	<b>532302</b>	1
290x185x150	14	12	<b>532303</b>	1
380x185x150	19	13	<b>532304</b>	1

**Features:** blind walls. Boxes with drilling templates.

Padlockable modular lid.

**Notes:** the maximum power dissipation is for a maximum ambient temperature of 40 °C.



Boxes with transparent cover IP67

Outer dimensions (mm)	No. of DIN modules	Power dissipation (W)	Palazzoli code	Pack Qty
125x125x125	4	13	<b>532516</b>	1
185x125x125	6.5	15	<b>532557</b>	1
250x125x125	9	20	<b>532658</b>	1

**Features:** blind walls supplied with drilling template.

Padlockable lid and with tamper-proof screw.

**Notes:** the maximum power dissipation is for a maximum ambient temperature of 40 °C.

**Technical accessories:**



Back plates in galvanised steel for TAISBOX boxes

For enclosure code	Plate dimensions (mm)	Palazzoli code	Pack Qty
532200	83x145	<b>532700</b>	1
532201	160x140	<b>532701</b>	1
532202	208x145	<b>532702</b>	1
532203	260x145	<b>532703</b>	1
532204	333x145	<b>532704</b>	1
532005, 532035	59x59	<b>532705</b>	1
532006, 532045	92x58	<b>532714</b>	1
532015, 532055	142x62	<b>532715</b>	1
532016, 532116	86x86	<b>532716</b>	1
532017, 532117	100x86	<b>532717</b>	1
532018, 532118	175x86	<b>532718</b>	1

**Uses:** for fastening terminal blocks or non-modular devices.








# TAISBOX

Combinable modular boxes in thermosetting GRP



Blind junction boxes with back plate IP67

Outer dimensions (mm)	Window type	Installable TAIS socket module	Palazzoli code	Pack Qty
185x185x115		2x95	<b>531011*</b>	1
250x185x115	 blind walls	2x95/2x125	<b>531021*</b>	1
250x250x115		2x95/2x125	<b>531040*</b>	1
370x250x115	 Lightened	-	<b>531042</b>	1
500x370x115	 Lightened	-	<b>531062</b>	1

**Features:** \* supplied with drilling templates.  
Blind and windowed junction boxes with dimensions 250x250 and larger are IP65.

**Technical accessories:**
























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Windowed junction boxes with back plate IP67

Outer dimensions (mm)	Window type	Installable TAIS socket module	Palazzoli code	Pack Qty
185x185x115		2x95	<b>531200*</b>	1
		2x95	<b>531211*</b>	1
		2x95	<b>531311*</b>	1
		-	<b>531411</b>	1
250x185x115	 blind walls	2x95/2x125	<b>531220*</b>	1
		2x95	<b>531222*</b>	1
		2x95/2x125	<b>531221*</b>	1
	 Lightened	-	<b>531231</b>	1
		2x95	<b>531321*</b>	1
		2x95/2x125	<b>531331*</b>	1
		-	<b>531431</b>	1
		2x95/2x125	<b>531241*</b>	1
	 Lightened	-	<b>531240</b>	1
		2x95/2x125	<b>531340*</b>	1
250x250x115		-	<b>531440</b>	1
	 Lightened	2x95/2x125	<b>531540*</b>	1
	 Lightened	2x95/2x125	<b>531640*</b>	1
		-	<b>531242</b>	1
370x250x115		-	<b>531442</b>	1
	 Lightened	-	<b>531262</b>	1
500x370x115		-	<b>531662</b>	1



# TAISBOX

Combinable modular boxes in thermosetting GRP



Low blind covers for TAISBOX IP67

For boxes with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Qty
185x185	25	<b>535320</b>	1
250x185	25	<b>535321</b>	1
250x250	25	<b>535322</b>	1
370x250	25	<b>535323</b>	1
500x370	25	<b>535324</b>	1

**Equipment included:** 4 captive screws that can be sealed.  
**Features:** covers with dimensions 250x250 and larger are IP65.



Low transparent covers in polycarbonate for TAISBOX IP67

For boxes with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Qty
250x185	25	<b>535126</b>	1
250x250	25	<b>535135</b>	1
370x250	25	<b>535137</b>	1
500x370	25	<b>535157</b>	1

**Equipment included:** 4 captive screws that can be sealed.  
**Features:** in UV stabilised polycarbonate.  
 Covers with dimensions 250x250 and larger are rated IP65.



High blind covers for TAISBOX IP67

For boxes with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Qty
250x185	75	<b>535325</b>	1
250x250	75	<b>535326</b>	1
370x250	75	<b>535327</b>	1
500x370	75	<b>535328</b>	1

**Equipment included:** 4 captive screws that can be sealed.  
**Features:** the height of the cover allows to insert MCCB inside.  
 Covers with dimensions 250x250 and larger are rated IP65.



High transparent covers in polycarbonate for TAISBOX IP67

For boxes with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Qty
250x185	75	<b>535131</b>	1
250x250	75	<b>535140</b>	1
370x250	75	<b>535142</b>	1
500x370	75	<b>535162</b>	1

**Equipment included:** 4 captive screws that can be sealed.  
**Features:** in UV stabilised polycarbonate.  
 Covers with dimensions 250x250 and larger are rated IP65.



Windowed covers in polycarbonate for TAISBOX IP67

For boxes with dimensions (mm)	Lid height (mm)	No. of DIN modules	Palazzoli code	Pack Qty
185x185	80	7.5	<b>535640</b>	1
250x185	80	11	<b>535643</b>	1

**Equipment included:** complete with captive screws that can be sealed, DIN rail and small parts for fastening on a plate.  
**Features:** padlockable lid and with tamper-proof screw.

**Technical accessories:**



## NOTES



Fixing screws made of fibre-reinforced technopolymer for higher tightening force, with captive and anti-tampering systems.



# TAISBOX

Combinable modular boxes in thermosetting GRP



Flat blind flanges for windowed walls IP67

Type	Window dimensions (mm)	Flange height (mm)	Palazzoli code	Pack Qty
a	110x60	15	<b>538110</b>	2
b	175x60	15	<b>538210</b>	2
c	295x60	15	<b>538310</b>	1

**Uses:** closing the cable entry windows. Holes can be drilled for applying cable glands.



Raised blind flanges for windowed walls IP67

Type	Window dimensions (mm)	Flange height (mm)	Palazzoli code	Pack Qty
a	110x60	45	<b>538130</b>	2
b	175x60	45	<b>538230</b>	2
c	295x60	45	<b>538330</b>	1

**Uses:** closing the cable entry windows. Holes can be drilled for applying cable glands. The increased height helps entry of large cables or pipes. They make wiring easier as they increase the internal volume of the enclosure.

**Technical accessories:**



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Hinge with installation kit for TAISBOX boxes

Description	Palazzoli code	Pack Qty
Single hinge in insulating material with screws, washers and gaskets	<b>538385</b>	1

**Uses:** with all TAIS series boxes in thermosetting GRP insulating material with screw cover (excluding those with 18 mm low cover). They cannot be fitted to walls with a window or near holes or knockouts.



Supports for bus bars for TAISBOX boxes

Installable on windows	Installable bus bars (mm)	Palazzoli code	Pack Qty
a	3 x 16x4 (16x5 - 20x4 - 20x5), 2 by 16x4 (earth and neutral), 3 of ø 9 (auxiliary circuits)	<b>538180</b>	1
b	3 of 25x5 (25x6 - 32x5 - 32x6), 2 of 25x5 (earth and neutral), 3 of ø 11 (auxiliary circuits)	<b>538280</b>	1
c	6 of 40x5 (40x8 - 50x5 - 50x8), 4 of 25x5 (25x6 - 32x5 - 32x6)	<b>538380</b>	1

**Uses:** they are used to facilitate the application of conductor busbars in watertight distribution boards composed of equipment in TAIS Grande modular insulating boxes with windows type 'a', 'b' and 'c'.



Wall-mounted supports for 90° angled installation of XCEE straight socket-outlets and plugs IP65

Support base dimensions (mm)	Installable sockets/plugs	Box window	Palazzoli code	Pack Qty
142x113	63A	a	<b>472967</b>	1
142x113	125A	a	<b>472968</b>	1
207x113	63A	b	<b>472977</b>	1
207x113	125A	b	<b>472978</b>	1

**Equipment included:** 4 stainless steel screws for fixing the socket or the plug.

**Uses:** for applications with combinable modular thermosetting GRP boxes (with "a" or "b" windows).

**Technical accessories:**



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## TAISBOX

Combinable modular boxes in thermosetting GRP



Transparent lids in polycarbonate for modular devices IP67

No. of DIN modules	Dimensions (mm)	Palazzoli code	Pack Qty
4	92x84x30	<b>538610</b>	10
6.5 or 7.5	152x84x30	<b>538620</b>	10
9 or 11	214x84x30	<b>538630</b>	5

**Features:** padlockable lid and with tamper-proof screw.

**Technical accessories:**



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Cup shaped milling cutters in steel for quick drill connection with tungsten carbide gear teeth specific for thermosetting GRP material

Hole type	Diameter (mm)	Palazzoli code	Pack Qty
Pg13.5	20	<b>538400</b>	1
Pg16	22		
Pg21	29		
Pg29	38		
Pg36	46	<b>538410</b>	1
M20	20.5		
M25	25.5		
M32	32.5		
M40	40.5		



Cable glands in insulating material with metric pitch and long threading IP68

Threading	Max. mounting hole (mm)	Fastening diameter (mm)	Thread length (mm)	Palazzoli code	Pack Qty
M12x1.5	12.5	2.5-6.5	15	<b>581112</b>	100
M16x1.5	16.5	3.5-10	15	<b>581116</b>	50
M20x1.5	20.5	7-14	15	<b>581120</b>	50
M25x1.5	25.5	9-18	15	<b>581125</b>	25
M32x1.5	32.5	14-25	15	<b>581132</b>	20
M40x1.5	40.5	18-32	16	<b>581140</b>	10
M50x1.5	50.5	24-38.5	16	<b>581150</b>	5
M63x1.5	63.5	35-48	16	<b>581163</b>	5



Locknuts in insulating material with metric pitch

Threading	Palazzoli code	Pack Qty
M12x1.5	<b>581212</b>	50
M16x1.5	<b>581216</b>	50
M20x1.5	<b>581220</b>	50
M25x1.5	<b>581225</b>	50
M32x1.5	<b>581232</b>	50
M40x1.5	<b>581240</b>	20
M50x1.5	<b>581250</b>	10
M63x1.5	<b>581263</b>	5

**Uses:** for fixing cable glands with metric thread on walls with through-holes.



## ALUCASE

Combinable boxes in marine aluminium



Body material	Marine aluminium alloy
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic, hot-polymerised polyester paint
Colour	RAL 5012 Light blue (cover) RAL 7035 Light grey (base)
Protection rating	IP66 - IP67
Impact resistance	IK10
Corrosivity category	Equivalent to C4-H / C5-M
Insulation class	I
Ambient operating temperature	-40°C - +90°C
Ambient storage temperature	-50°C - +90°C



### DIRECTIVES

2014/35/EU (LVD)

### PRODUCT STANDARDS

IEC/EN 60670-1  
IEC/EN 60670-22  
IEC/EN 62208




# ALUCASE

Combinable boxes in marine aluminium



Blind junction boxes  
in marine aluminium with back plate  
IP67

Outer dimensions (mm)	Window type	Palazzoli code	Pack Qty
92x92x42		<b>511110*</b>	1
125x125x63		<b>511210</b>	1
185x125x63		<b>511220</b>	1
155x155x63		<b>521210</b>	1
185x185x95		<b>511310</b>	1
252x185x95		<b>511320</b>	1
220x220x95	 blind walls	<b>521310</b>	1
252x252x140		<b>511410</b>	1
295x295x105		<b>521420</b>	1
315x252x140		<b>511420</b>	1
315x315x140		<b>511510</b>	1
373x373x140		<b>511610</b>	1













\*Box without back plate.

Features: 185x185 and larger boxes with IP66 rating.

**Technical accessories:**



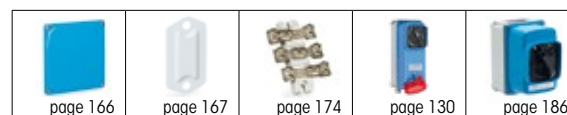
Windowed junction boxes  
in marine aluminium with back plate  
IP67

Outer dimensions (mm)	Window type	Palazzoli code	Pack Qty
125x125x63		<b>511214</b>	1
155x155x63		<b>521214</b>	1
185x185x95		<b>511314</b>	1
252x185x95		<b>511324</b>	1
220x220x95		<b>521314</b>	1
252x252x140		<b>511414</b>	1
315x252x140		<b>511424</b>	1
507x252x140		<b>511452</b>	1
295x295x105		<b>521414</b>	1
315x315x140		<b>511514</b>	1
373x373x140		<b>511614</b>	1
507x373x140		<b>511634</b>	1
630x507x140		<b>511824</b>	1

**Equipment included:** free windows with gaskets in non-ageing elastomer and screws for applying accessories or for coupling with other boxes.

Features: 185x185 and larger boxes with IP66 rating.

**Technical accessories:**







# ALUCASE

Combinable boxes in aluminium



Low blind covers for ALUCASE boxes IP67

For boxes with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Qty
92x92	23	<b>515111</b>	1
125x125	10	<b>515200</b>	1
185x125	25	<b>515221</b>	1
155x155	10	<b>525200</b>	1
185x185	10	<b>515300</b>	1
220x220	13	<b>525300</b>	1
252x252	25	<b>515411</b>	1
507x252	53	<b>515453</b>	1
295x295	18	<b>525410</b>	1
315x315	53	<b>515512</b>	1
373x373	25	<b>515610</b>	1
507x373	53	<b>515632</b>	1
630x507	53	<b>515822</b>	1

**Equipment included:** complete with non-ageing gasket and captive stainless steel fixing screws.

**Features:** covers with dimensions 185x185 and larger are IP66.



High blind covers for ALUCASE boxes IP67

For boxes with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Qty
92x92	35	<b>515112</b>	1
185x92	50	<b>515144</b>	1
125x125	50	<b>515214</b>	1
185x125	50	<b>515224</b>	1
185x185	50	<b>515313</b>	1
252x185	57	<b>515323</b>	1
252x252	57	<b>515413</b>	1
315x252	53	<b>515423</b>	1
373x373	80	<b>515613</b>	1
507x373	165	<b>515637</b>	1

**Equipment included:** complete with non-ageing gasket and captive stainless steel fixing screws.

**Features:** the height of the cover allows to insert MCCB inside. Covers with dimensions 185x185 and larger are rated IP66.



Covers with transparent window and DIN rail for ALUCASE boxes IP67

For boxes with dimensions (mm)	Height (mm)	No. of DIN modules	Palazzoli code	Pack Qty
125x125	80	4	<b>518204</b>	1
185x125	80	6.5	<b>518206</b>	1
185x185	80	7.5	<b>518207</b>	1
252x185	80	11	<b>518211</b>	1

**Equipment included:** complete with non-ageing gasket and captive stainless steel fixing screws and DIN rail.

**Features:** when fitted in the box they allow the installation of modular devices. Covers with dimensions 185x185 and larger are rated IP66. Padlockable lid and with tamper-proof screw.



Transparent lids in polycarbonate for modular devices

No. of DIN modules	Dimensions (mm)	Palazzoli code	Pack Qty
4	92x84x30	<b>538610</b>	10
6.5 or 7.5	152x84x30	<b>538620</b>	10
9 or 11	214x84x30	<b>538630</b>	5

**Features:** padlockable lid with tamper-proof screw.

**Technical accessories:**



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# ALUCASE

Combinable boxes in aluminium



Flat blind flanges in steel for windowed walls IP67

For windows	Projection (mm)	Palazzoli code	Pack Qty
F0	2.5	<b>540090</b>	5
F1	5.5	<b>540091</b>	5
F3	6	<b>540033</b>	2
F4	6	<b>540034</b>	2
F5	7	<b>540035</b>	2
F6	8	<b>540036</b>	1

**Uses:** they close unused windows. Holes can be drilled for applying cable glands.



Raised closing flanges in aluminium alloy for windowed walls IP67

For windows	Projection (mm)	Palazzoli code	Pack Qty
F1	32	<b>540061</b>	1
F3	50	<b>540063</b>	1
F4	50	<b>540064</b>	1
F5	80	<b>540065</b>	1
F6	80	<b>540066</b>	1

**Uses:** they close unused windows. They facilitate the wiring as they increase the internal volume of the enclosure.



Flanges in aluminium alloy with metric threading and cable gland for windowed walls IP66/IP67/IP69

For windows	Threading type	Tightening diameter (mm)	Palazzoli code	Pack Qty
F0	M25	9-18	<b>541050</b>	1
F1	M25	9-18	<b>541055</b>	1
F1	M32	14-25	<b>540180</b>	1
F3	M40	18-32	<b>540190</b>	1
F3	M50	24-39	<b>540191</b>	1
F4	M40	18-32	<b>540193</b>	1
F5	M50	24-39	<b>540195</b>	1



Flanges in aluminium alloy with double gas threading and cable gland for windowed walls IP67

For windows	Thread type	Cable entry diameter (mm)	Projection (mm)	Palazzoli code	Pack Qty
F0	1/2"	8-13	36	<b>541040</b>	1
F1	3/4"	12-16	57	<b>540161</b>	1

**Uses:** suitable for entry with threaded pipes.



One way junctions in aluminium alloy for windowed walls

For windows	Projection (mm)	For cables ø (mm)	Palazzoli code	Pack Qty
F3	110	42	<b>544033</b>	1
F4	140	54	<b>544034</b>	1
F5	160	65	<b>544035</b>	1
F6	250	80	<b>544036</b>	1

**Uses:** suitable for entry with unthreaded pipes or cables.




90° angled one way junctions in aluminium alloy for windowed walls

For windows	Projection (mm)	Internal hole ø (mm)	Palazzoli code	Pack Qty
F1	53	32	<b>545081</b>	1
F3	83	54	<b>545083</b>	1
F4	93	60	<b>545084</b>	1
F5	137	65	<b>545085</b>	1
F6	137	65	<b>545086</b>	1

**Uses:** suitable for entry with unthreaded pipes or cables.



Steel reducers for windows IP67

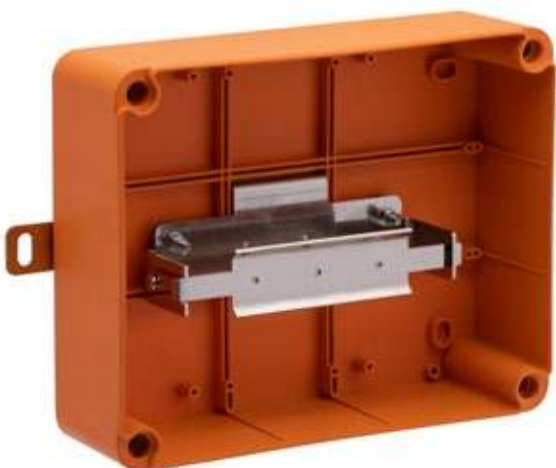
Shape	Reducer type for window	Reducer type for window	Thickness (mm)	Palazzoli code	Pack Qty
	F5	F4	5	<b>547054</b>	1

**Uses:** boxes and socket-outlets can be interfaced with different windows.



# FIREBOX

Fire-resistant boxes E30 - E60 - E90



Body material	Steel Technopolymer Halogen free
Surface finish	Painted (steel)
Colour	RAL2003 Pastel orange
Protection rating	IP66 (steel) IP56 (technopolymer)
Impact resistance	IK10 (steel) IK08 (technopolymer)
Resistance to abnormal heat and fire	650°C (technopolymer)
Insulation class	I (steel) II (technopolymer)
Ambient operating temperature	-40°C - +70°C (steel) -25°C - +50°C (technopolymer)
Ambient storage temperature	-50 °C - +90 °C (steel) -30 °C - +70 °C (technopolymer)
Insulation voltage	690V
Line cable cross-section	6 - 35 mm <sup>2</sup>
Functional maintenance	830°C 120' IEC 60331-1 E30 - E60 - E90 DIN 4102 -12



## DIRECTIVES

2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

IEC/EN 60670-1  
IEC 60331-1  
DIN 4102-12  
EN 60670-22



# FIREBOX

Fire-resistant boxes E30 - E60 - E90



Fire-resistant junction boxes in technopolymer  
830 °C 120' / 1000 °C 90'  
IP56

Outer dimensions (mm)	Hole type	Palazzoli code	Pack Qty
160x120x75		<b>151700</b>	1
200x155x75		<b>151702</b>	1
250x185x130		<b>151703</b>	1

**Equipment included:** 4 cable grommets.

**Features:** blind walls with M20, M25, M32, M40 knock-out opening.

**Technical accessories:**



Fire-resistant junction boxes in steel  
830 °C 120' / 1000 °C 90'  
IP66

Outer dimensions (mm)	Hole type	Palazzoli code	Pack Qty
150x150x90		<b>151301</b>	1
250x250x130		<b>151304</b>	1

**Equipment included:** 4 cable grommets.

**Features:** wall inlet holes. Code 151301 prepared for 1 fuse holder base; code 151304 prepared for 2 fuse holder bases.

**Technical accessories:**



## CODE 151304 WITH FUSE HOLDER BASE AND TERMINALS



Fire-resistant ceramic branch terminals for power lines

Terminal type	Entry cable cross-section (mm <sup>2</sup> )	Palazzoli code	Pack Qty
single	2,5 - 6	<b>151711</b>	1
	6,0 - 10	<b>151712</b>	1
	10 - 16	<b>151713</b>	1
double	0,5 - 6	<b>151721</b>	1
	10 - 16	<b>151722</b>	1
	20 - 35	<b>151723</b>	1



Fire-resistant branch terminal for signal lines

No. of poles for section (mm <sup>2</sup> )	Entry cable cross-section (mm <sup>2</sup> )	Palazzoli code	Pack Qty
20 x 0.5	up to 0.5	<b>151791</b>	1



Fire-resistant ceramic fuse holder base

Fuse type	Rated max current (A)	Palazzoli code	Pack Qty
D01	16	<b>151792</b>	1



# UNI

## Cable glands in technopolymer and nickel-plated brass

Body material	<b>Polyamide (technopolymer version) Nickel-plated (brass version) Neoprene (gasket) Galvanised steel (adaptors)</b>
Colour	<b>RAL 7035 Light grey (technopolymer)</b>
Protection rating	<b>IP67 - IP68</b>
Ambient operating temperature	<b>-30°C - +100°C (cable glands in insulating material) -30°C - +90°C (adaptors in insulating materials)</b>
Ambient storage temperature	<b>-40°C - +100°C (brass)</b>



### DIRECTIVES

2014/35/EU (LVD)

### PRODUCT STANDARDS

IEC/EN 62444



Cable glands in insulating material with metric pitch IP68

Threading	Max. mounting hole (mm)	Tightening diameter (mm)	Thread length (mm)	Palazzoli code	Pack Qty
M12x1,5	12.5	2.5-6.5	8	<b>581012</b>	100
M16x1.5	16.5	3.5-10	10	<b>581016</b>	50
M20x1.5	20.5	7-14	10	<b>581020</b>	50
M25x1.5	25.5	9-18	10	<b>581025</b>	25
M32x1,5	32.5	14-25	10	<b>581032</b>	20
M40x1.5	40.5	18-32	10	<b>581040</b>	10
M50x1.5	50.5	24-38.5	12	<b>581050</b>	5
M63x1.5	63.5	35-48	12	<b>581063</b>	5



Cable glands in insulating material with metric pitch and long threading IP68

Threading	Max. mounting hole (mm)	Tightening diameter (mm)	Thread length (mm)	Palazzoli code	Pack Qty
M12x1,5	12.5	2.5-6.5	15	<b>581112</b>	100
M16x1.5	16.5	3.5-10	15	<b>581116</b>	50
M20x1.5	20.5	7-14	15	<b>581120</b>	50
M25x1.5	25.5	9-18	15	<b>581125</b>	25
M32x1,5	32.5	14-25	15	<b>581132</b>	20
M40x1.5	40.5	18-32	15	<b>581140</b>	10
M50x1.5	50.5	24-38.5	15	<b>581150</b>	5
M63x1.5	63.5	35-48	15	<b>581163</b>	5

Uses: for cable/conduit entry into boxes with very thick walls.



Screwcaps in insulating material with metric pitch IP68

Threading	Max. mounting hole (mm)	Thread length (mm)	Palazzoli code	Pack Qty
M12x1,5	12.5	10	<b>581312</b>	1
M16x1.5	16.5	15	<b>581316</b>	1
M20x1.5	20.5	15	<b>581320</b>	1
M25x1.5	25.5	15	<b>581325</b>	1
M32x1,5	32.5	15	<b>581332</b>	1
M40x1.5	40.5	18	<b>581340</b>	1
M50x1.5	50.5	18	<b>581350</b>	1
M63x1.5	63.5	18	<b>581363</b>	1



Locknuts in insulating material with metric pitch

Threading	Palazzoli code	Pack Qty
M12x1,5	<b>581212</b>	50
M16x1.5	<b>581216</b>	50
M20x1.5	<b>581220</b>	50
M25x1.5	<b>581225</b>	50
M32x1,5	<b>581232</b>	50
M40x1.5	<b>581240</b>	20
M50x1.5	<b>581250</b>	10
M63x1.5	<b>581263</b>	5



## UNI

## Cable glands in technopolymer and nickel-plated brass



Cable glands in insulating material with Pg threading IP68

Pg	Max. mounting hole (mm)	Tightening diameter (mm)	Thread length (mm)	Palazzoli code	Pack Qty
7	13	2.5-6.5	8	<b>571007</b>	100
9	16	2.5-8	8	<b>571009</b>	50
11	19	3.5-10	8	<b>571011</b>	50
13.5	21	5-12	9	<b>571013</b>	50
16	23	7-14	10	<b>571016</b>	50
21	29	9-18	11	<b>571021</b>	25
29	38	14-25	11	<b>571029</b>	20
36	48	18-32	13	<b>571036</b>	10
42	55	24-38.5	13	<b>571042</b>	5
48	61	35-48	14	<b>571048</b>	5



Cable glands in insulating material with Pg pitch and long threading IP68

Pg	Max. mounting hole (mm)	Tightening diameter (mm)	Thread length (mm)	Palazzoli code	Pack Qty
7	13	3-6	15	<b>571107</b>	50
9	16	5-8	15	<b>571109</b>	50
11	19	6-10	15	<b>571111</b>	50
13.5	21	8-12	15	<b>571113</b>	50
16	23	10-14	15	<b>571116</b>	50
21	29	11.5-18	15	<b>571121</b>	20
29	38	15-24	15	<b>571129</b>	20
36	48	24-34	18	<b>571136</b>	10
42	55	34-42	18	<b>571142</b>	10
48	61	37-45	18	<b>571148</b>	10



Screwcaps in insulating material with Pg threading IP67

Pg	Max. mounting hole (mm)	Thread length (mm)	Palazzoli code	Pack Qty
13.5	21	9	<b>580230</b>	100
16	23	9	<b>580231</b>	100
21	29	10	<b>580232</b>	100
29	38	12	<b>580233</b>	50
36	48	14	<b>580234</b>	25



Locknuts in insulating material with Pg threading

Pg	Palazzoli code	Pack Qty
7	<b>571207</b>	50
9	<b>571209</b>	50
11	<b>571211</b>	50
13.5	<b>571213</b>	50
16	<b>571216</b>	50
21	<b>571221</b>	25
29	<b>571229</b>	20
36	<b>571236</b>	10
42	<b>571242</b>	5
48	<b>571248</b>	5



Screwcaps with anti-condensation filter with Pg threading IP54

Pg	Max. mounting hole (mm)	Thread length (mm)	Palazzoli code	Pack Qty
16	23	13	<b>580211</b>	1
21	29	13	<b>580212</b>	1
29	38	16	<b>580213</b>	1

**Equipment included:** inclusive of threaded shade ring, stainless steel sponge filter, gasket and nut.

**Features:** the cap must be mounted with the opening facing downwards.

**Uses:** particularly suitable in environments with high humidity.





UNI

## Cable glands in technopolymer and nickel-plated brass



Cable glands in nickel-plated brass with metric threading IP68

Threading	Max. mounting hole (mm)	Tightening diameter (mm)	Thread length (mm)	Palazzoli code	Pack Qty
M12x1.5	12.5	2.5-6.5	6.5	<b>582012</b>	100
M16x1.5	16.5	4-9.5	7	<b>582016</b>	50
M20x1.5	20.5	7-13	8	<b>582020</b>	50
M25x1.5	25.5	8-16	8	<b>582025</b>	25
M32x1.5	32.5	11-21	9	<b>582032</b>	20
M40x1.5	40.5	15-27	9	<b>582041</b>	10
M50x1.5	50.5	22-35	10	<b>582050</b>	5



Screw caps in nickel-plated brass with metric threading IP68

Threading	Max. mounting hole (mm)	Thread length (mm)	Palazzoli code	Pack Qty
M12x1.5	12.5	5	<b>582312</b>	100
M16x1.5	16.5	6	<b>582316</b>	100
M20x1.5	20.5	6.5	<b>582320</b>	100
M25x1.5	25.5	7	<b>582325</b>	100
M32x1.5	32.5	8	<b>582332</b>	50
M40x1.5	40.5	9	<b>582340</b>	50
M50x1.5	50.5	10	<b>582350</b>	25
M63x1.5	63.5	10	<b>582363</b>	25



Cable glands in nickel-plated brass with metric threading with long thread IP68

Threading	Max. mounting hole (mm)	Tightening diameter (mm)	Thread length (mm)	Palazzoli code	Pack Qty
M12x1.5	12.5	2.5-6.5	15	<b>582112</b>	100
M16x1.5	16.5	4-9.5	15	<b>582116</b>	50
M20x1.5	20.5	7-13	15	<b>582120</b>	50
M25x1.5	25.5	8-16	15	<b>582125</b>	25
M32x1.5	32.5	11-21	15	<b>582132</b>	20
M40x1.5	40.5	15-27	15	<b>582141</b>	10
M50x1.5	50.5	22-35	15	<b>582150</b>	5
M63x1.5	63.5	35-48	15	<b>582163</b>	5



Locknuts in nickel-plated brass with metric threading

Threading	Palazzoli code	Pack Qty
M12x1.5	<b>582212</b>	50
M16x1.5	<b>582216</b>	50
M20x1.5	<b>582220</b>	50
M25x1.5	<b>582225</b>	25
M32x1.5	<b>582232</b>	20
M40x1.5	<b>582240</b>	10
M50x1.5	<b>582250</b>	10
M63x1.5	<b>582263</b>	5



## UNI

## Cable glands in technopolymer and nickel-plated brass



Cable gland in nickel-plated brass  
with Pg threading  
IP68

Pg	Max. mounting hole (mm)	Tightening diameter (mm)	Thread length (mm)	Palazzoli code	Pack Qty
7	13	2.5-6.5	5	<b>572007</b>	50
9	15,5	4-9.5	6	<b>572009</b>	50
11	19	6-11,5	6	<b>572011</b>	50
13.5	21	7-13	6.5	<b>572013</b>	50
16	23	8-15	6.5	<b>572016</b>	50
21	29	11-19	7	<b>572021</b>	20
29	37.5	16-26	8	<b>572029</b>	20
36	47.5	22-34.5	9	<b>572036</b>	10
42	54.5	27-40	10	<b>572042</b>	5



Cable gland in nickel-plated brass  
with Pg threading with long thread  
IP68

Pg	Max. mounting hole (mm)	Tightening diameter (mm)	Thread length (mm)	Palazzoli code	Pack Qty
7	13	2.5-6.5	12	<b>572107</b>	50
9	15,5	4-9.5	12	<b>572109</b>	50
11	19	6-11,5	12	<b>572111</b>	50
13.5	21	7-13	12	<b>572113</b>	50
16	23	8-15	12	<b>572116</b>	50
21	29	11-19	12	<b>572121</b>	20
29	37.5	16-26	15	<b>572129</b>	20
36	47.5	22-34.5	15	<b>572136</b>	10
42	54.5	27-40	15	<b>572142</b>	5
48	60	35-48	15	<b>572148</b>	5



Screwcaps in nickel-plated brass  
with Pg threading  
IP68

Pg	Max. mounting hole (mm)	Thread length (mm)	Palazzoli code	Pack Qty
7	13	5	<b>572307</b>	50
9	15,5	6	<b>572309</b>	50
11	19	6	<b>572311</b>	50
13.5	21	6.5	<b>572313</b>	50
16	23	6.5	<b>572316</b>	25
21	29	7	<b>572321</b>	20
29	37.5	8	<b>572329</b>	15
36	47.5	9	<b>572336</b>	10
42	54.5	10	<b>572342</b>	10
48	60	10	<b>572348</b>	10



Locknuts in nickel-plated brass  
with Pg threading

Pg	Palazzoli code	Pack Qty
7	<b>572207</b>	50
9	<b>572209</b>	50
11	<b>572211</b>	50
13.5	<b>572213</b>	50
16	<b>572216</b>	50
21	<b>572221</b>	20
29	<b>572229</b>	20
36	<b>572236</b>	10
42	<b>572242</b>	5
48	<b>572248</b>	5



# CONTACT

## Terminal blocks

Body material	<b>Ceramic (supports) Brass (contacts)</b>
Rated impulse-withstand voltage	<b>6kV</b>
Ambient operating temperature	<b>-50°C - +100°C</b>
Ambient storage temperature	<b>-50°C - +100°C</b>



### DIRECTIVES

2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

### PRODUCT STANDARDS

IEC/EN 60999-1  
IEC/EN 60999-2  
IEC/EN 60300

#### Technical features of saddle terminal blocks:

Rated cross-section (mm <sup>2</sup> )	Rated current (A)	Entry cable cross-section (mm <sup>2</sup> )	Tightening torque (Nm)
16	76	6 - 16	0.8
25	101	10 - 25	1.2
35	125	16 - 35	1.2
70	192	50 - 70	2
120	269	95 - 120	2.5
240	415	150 - 240	6
300	520	240 - 300	6

#### Technical features of terminal blocks on metal bar:

Rated cross-section (mm <sup>2</sup> )	Rated current (A)	Entry cable cross-section (mm <sup>2</sup> )	Tightening torque (Nm)
6	41	1,5 - 6	0.8
16	76	4 - 16	1.2



Terminal blocks with saddle terminals for back plates 500V

Box min. dimensions (mm)		No. of poles per section	Palazzoli code	Pack Qty
TAISBOX	ALUCASE			
125x92	92x92	3x16 mm <sup>2</sup>	<b>159030</b>	1
185x125	125x125	3x25 mm <sup>2</sup>	<b>159032</b>	1
	155x155	3x35 mm <sup>2</sup>	<b>159033</b>	5
190x185	185x185	3x70 mm <sup>2</sup>	<b>159034</b>	1
250x250	220x220	3x120 mm <sup>2</sup>	<b>159035</b>	1
370x250	295x295	3x240 mm <sup>2</sup>	<b>159036</b>	1
500x370	373x373	3x300 mm <sup>2</sup>	<b>159037</b>	1
185x125	125x125	4x16 mm <sup>2</sup>	<b>159040</b>	10
	155x155	4x25 mm <sup>2</sup>	<b>159042</b>	5
190x185	185x185	4x35 mm <sup>2</sup>	<b>159043</b>	1
250x250	220x220	4x70 mm <sup>2</sup>	<b>159044</b>	1
370x250	295x295	4x120 mm <sup>2</sup>	<b>159045</b>	1
500x370	373x373	4x240 mm <sup>2</sup>	<b>159046</b>	1



Terminal blocks in ceramic on metallic bar for TAISBOX 400V

For boxes with dimensions (mm)	No. of poles per section	Palazzoli code	Pack Qty
92x92	4x6 mm <sup>2</sup>	<b>532725</b>	1
92x125, 92x185	4x6 mm <sup>2</sup>	<b>532745</b>	1
125x125, 125x185	4x16 mm <sup>2</sup>	<b>532747</b>	1

Features: codes 532735 and 532755 in insulating material.

#### Technical accessories:





# Control

## STANDARD APPLICATIONS



### CAM-SZ

Wall-mounted isolator switches in technopolymer  
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### CAM-SZ

Isolator switches for base mounting and back panel mounting  
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### CAM-ST

Multi-diagram cam switches  
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### ALARM

Sirens and bells in aluminium alloy  
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## HEAVY-DUTY APPLICATIONS



### CAM-TAIS

Rotary switches in thermosetting GRP  
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### CAM-ALUPRES

Rotary switches in marine aluminium alloy  
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### CAM-FIRE

Fire resistant rotary switches in aluminium alloy  
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### CAM

Multi-diagram cam switches  
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### TAIS MIGNON

Small devices in thermosetting GRP  
Page 200



### RONDÒ

Small devices in aluminium alloy  
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# CAM-SZ





## CAM-SZ

Wall-mounted isolator switches in technopolymer

### ADVANTAGES



1

The CAM-SZ series is of the AC3 - AC23A category and is suitable for highly inductive loads. The switch is designed to accommodate two auxiliary contacts for remote signalling.

The yellow cover and the red handle are easily identifiable even in the presence of smoke.

2



CONTROL



3

A rational and complete range from 16A to 100A, in the control and emergency versions, with a large internal space that facilitates wiring and ensures maximum heat dissipation.

The handle, padlockable in the 0 and 1 positions, prevents unintended actuations.

4







# CAM-SZ

Wall-mounted isolator switches in technopolymer

Body material	<b>Technopolymer</b>
Colour	<b>RAL 7035 Light grey (standard version) RAL 7042 Traffic grey (standard handle) RAL 1018 Zinc yellow (emergency cover) RAL 3020 Traffic red (emergency handle)</b>
Protection rating	<b>IP65</b>
Impact resistance	<b>IK08</b>
Resistance to abnormal heat and fire	<b>960°C (switch) 650°C (enclosure)</b>
Flammability class	<b>V-0 (switch) HB (enclosure)</b>
Insulation class	<b>II</b>
Ambient operating temperature	<b>-25°C - +60°C</b>
Ambient storage temperature	<b>-40°C - +80°C</b>
Rated current	<b>16A - 25A - 32A - 40A - 63A - 100A</b>
Operating voltage	<b>Up to 690V</b>
Insulation voltage	<b>690V</b>
Operating frequency	<b>50/60Hz</b>



## DIRECTIVES

2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

IEC/EN 60947-1  
IEC/EN 60947-3  
IEC/EN 63000

Rated operating current:		16A	25A	32A	40A	63A	100A	
Thermal current I <sub>th</sub>		A	16	25	32	40	63	100
AC-21A	690V	A	16	25	32	40	63	100
AC-22A	690V		16	25	32	40	63	100
AC23A	230V	A	16	25	32	40	63	63
	400V							
	500V							
	690V							
AC23A	230V	kW	5.1	8.0	10.2	12.7	20.1	20.1
	400V		8.9	13.9	17.7	22.2	34.9	34.9
	500V		11.1	17.3	22.2	27.7	43.6	43.6
	690V		15.3	23.9	30.6	38.2	60.2	60.2
AC3	230V	kW	5.1	8.0	10.2	12.7	15.9	15.9
	400V		8.9	13.9	17.7	22.2	27.7	27.7
	500V		11.1	17.3	22.2	27.7	34.6	34.6
	690V		15.3	23.9	30.6	38.2	47.8	47.8

Wiring data:		16A	25A	32A	40A	63A	100A
Entry cable cross-section	mm <sup>2</sup>	1 - 10			6 - 35		
Tightening torque	Nm	2			3		



Wall-mounted emergency isolator switches in technopolymer IP65



Rated current (A)	Poles	CAM scheme	Palazzoli code	Pack Qty
16	2	1	<b>208162</b>	1
	3	2	<b>208163</b>	1
	4	3	<b>208164</b>	1
25	3	2	<b>208253</b>	1
	4	3	<b>208254</b>	1
32	2	1	<b>208322</b>	1
	3	2	<b>208323</b>	1
	4	3	<b>208324</b>	1
40	3	2	<b>208403</b>	1
	4	3	<b>208404</b>	1
63	3	2	<b>208633</b>	1
	4	3	<b>208634</b>	1
100	3	2	<b>208103</b>	1
	4	3	<b>208104</b>	1

**Equipment included:** complete with terminal cover.  
**Features:** handle padlockable in position 0.



Wall-mounted control isolator switches in technopolymer IP65



Rated current (A)	Poles	CAM scheme	Palazzoli code	Pack Qty
16	2	1	<b>209162</b>	1
	3	2	<b>209163</b>	1
	4	3	<b>209164</b>	1
25	3	2	<b>209253</b>	1
	4	3	<b>209254</b>	1
32	2	1	<b>209322</b>	1
	3	2	<b>209323</b>	1
	4	3	<b>209324</b>	1
40	3	2	<b>209403</b>	1
	4	3	<b>209404</b>	1
63	3	2	<b>209633</b>	1
	4	3	<b>209634</b>	1
100	3	2	<b>209103</b>	1
	4	3	<b>209104</b>	1

**Equipment included:** complete with terminal cover.  
**Features:** handle padlockable in position 0 and 1.

### Technical accessories:



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page 170



# CAM-SZ

Isolator switches for base mounting and back panel mounting



Emergency isolator switches with doorlock and yellow front plate for base mounting IP65



Rated current (A)	Poles	CAM scheme	Front plate dimensions (mm)	Palazzoli code	Pack Qty
16	2	1	67x67	<b>265162</b>	1
	3	2	67x67	<b>265163</b>	1
	4	3	67x67	<b>265164</b>	1
25	3	2	67x67	<b>265253</b>	1
	4	3	67x67	<b>265254</b>	1
32	2	1	67x67	<b>265322</b>	1
	3	2	67x67	<b>265323</b>	1
	4	3	67x67	<b>265324</b>	1
40	3	2	67x67	<b>265403</b>	1
	4	3	67x67	<b>265404</b>	1
63	2	1	67x67	<b>265632</b>	1
	3	2	67x67	<b>265633</b>	1
	4	3	67x67	<b>265634</b>	1
100	3	2	67x67	<b>265103</b>	1
	4	3	67x67	<b>265104</b>	1

**Features:** IP20 terminals suitable for fastening cables without prior preparation of the conductors and without the use of terminals. The handles are padlockable in positions 0.  
**Uses:** direct fixing on plate by means of screws or on DIN rail.



Emergency isolator switches with yellow front plate for base mounting IP65



Rated current (A)	Poles	CAM scheme	Front plate dimensions (mm)	Palazzoli code	Pack Qty
16	2	1	67x67	<b>267162</b>	1
	3	2	67x67	<b>267163</b>	1
	4	3	67x67	<b>267164</b>	1
25	3	2	67x67	<b>267253</b>	1
	4	3	67x67	<b>267254</b>	1
32	2	1	67x67	<b>267322</b>	1
	3	2	67x67	<b>267323</b>	1
	4	3	67x67	<b>267324</b>	1
40	3	2	67x67	<b>267403</b>	1
	4	3	67x67	<b>267404</b>	1
63	2	1	67x67	<b>267632</b>	1
	3	2	67x67	<b>267633</b>	1
	4	3	67x67	<b>267634</b>	1
100	3	2	67x67	<b>267103</b>	1
	4	3	67x67	<b>267104</b>	1

**Features:** IP20 terminals suitable for clamping cables without prior preparation of the conductors and without the use of terminals. The handles are padlockable in the 0 position.  
**Notes:** the auxiliary contacts cannot be used.



Black handle with grey front plate

Front plate type	Rated current (A)	Flange dimensions (mm)	Palazzoli code	Pack Qty
	16-100	67x67	<b>270909</b>	1



Auxiliary contacts for switch status signalling

Rated current (A)	Switch type	Contact type	Palazzoli code	Pack Qty
10	16A - 100A	1 NC (Late break)	<b>270326</b>	1
		1 NO postponed	<b>270327</b>	1
		1 NC	<b>270330</b>	1
		1 NO	<b>270331</b>	1
		1 NO + 1 NC	<b>270332</b>	1

**Features:** code 270332 consisting of 2 contacts.



Extension shafts for switches for base mounting 16A/100A

Rated current (A)	Board diameter (mm)	Length (mm)	Palazzoli code	Pack Qty
16-100	6	225	<b>270225</b>	1
	6	350	<b>270350</b>	1
	6	500	<b>270500</b>	1

**Notes:** the auxiliary contacts cannot be used.



Adjustable spacer support kit in steel for base-mounting devices

Min length (mm)	Max. length (mm)	Palazzoli code	Pack Qty
97	168	<b>270900</b>	10

**Features:** it consists of 4 equal squares in galvanised steel with self-threading screws and washers.

**Uses:** it is used for fixing devices in the right position and height for correct coupling with the handle applied to the hatch.

CONTROL



# CAM-ST

Multi-diagram cam switches



Body material	Technopolymer
Colour	RAL 7035 Light grey
Protection rating	IP65 (handle) IP20 (terminals)
Impact resistance	IK08
Resistance to abnormal heat and fire	960°C (switch) 850°C (handle and front plate)
Flammability class	V-0 (switch) HB (handle and front plate)
Ambient operating temperature	-25°C - +60°C
Ambient storage temperature	-40°C - +80°C
Rated current	12A - 16A - 20A - 25A - 32A - 40A - 63A
Operating voltage	Up to 690V
Insulation voltage	690V
Operating frequency	50/60Hz

Rated operating current:		12A	16A	20A	25A	32A	40A	63A			
Thermal current I <sub>th</sub>	A	12	16	20	25	32	40	63			
AC-21A	690V	12	16	20	25	32	40	63			
AC-22A	690V	12	16	20	25	32	40	63			
AC-23A	230V	A	10	14	18	20	32	40	63		
	400V		A	6	10	12	16	25	32	50	
	500V			kW	3.2	4.5	5.7	6.4	10.2	12.7	20.1
	600V				5.5	7.8	10	11.1	17.7	22.2	34.9
AC-23A	230V	kW	4.2	6.9	8.3	11.1	17.3	22.2	34.6		
	400V		5	8.3	10	13.3	20.8	26.6	41.6		
	500V		kW	2.5	3.8	5.1	5.7	8.9	11.2	17.8	
	600V			4.4	6.7	8.9	10	15.5	19.4	31	
AC-3	230V	kW	4.2	6.9	8.3	11.1	17.3	22.2	34.6		
	400V		5.7	9.6	11.5	15.3	23.9	30.6	47.8		
	500V		kW	2.5	3.8	5.1	5.7	8.9	11.2	17.8	
	690V			4.4	6.7	8.9	10	15.5	19.4	31	

Wiring data:		12A	16A	20A	25A	32A	40A	63A
Entry cable cross-section	mm <sup>2</sup>	1,5 - 6			2.5 - 16			
Tightening torque	Nm	1			3			



## DIRECTIVES

2014/35/EU (LVD)

## PRODUCT STANDARDS

IEC/EN 60947-1  
IEC/EN 60947-3



# CAM-ST

## Multi-diagram cam switches



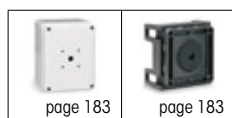
Switches with grey front plate for base mounting IP65



Rated current (A)	Poles	CAM scheme	Depth (mm)	Palazzoli code 48x48	Palazzoli code 67x67	Pack Qty
12	1	0	33	<b>210121</b>	<b>211121</b>	1
	2	1	33	<b>210122</b>	<b>211122</b>	1
	3	2	46	<b>210123</b>	<b>211123</b>	1
	4	3	46	<b>210124</b>	<b>211124</b>	1
	5	43	59	<b>210125</b>	<b>211125</b>	1
	6	44	59	<b>210126</b>	<b>211126</b>	1
16	1	0	33	<b>210161</b>	<b>211161</b>	1
	2	1	33	<b>210162</b>	<b>211162</b>	1
	3	2	46	<b>210163</b>	<b>211163</b>	1
	4	3	46	<b>210164</b>	<b>211164</b>	1
	5	43	59	<b>210165</b>	<b>211165</b>	1
	6	44	59	<b>210166</b>	<b>211166</b>	1
20	1	0	33	<b>210201</b>	<b>211201</b>	1
	2	1	33	<b>210202</b>	<b>211202</b>	1
	3	2	46	<b>210203</b>	<b>211203</b>	1
	4	3	46	<b>210204</b>	<b>211204</b>	1
	5	43	59	<b>210205</b>	<b>211205</b>	1
	6	44	59	<b>210206</b>	<b>211206</b>	1
25	1	0	33	<b>210251</b>	<b>211251</b>	1
	2	1	33	<b>210252</b>	<b>211252</b>	1
	3	2	46	<b>210253</b>	<b>211253</b>	1
	4	3	46	<b>210254</b>	<b>211254</b>	1
	5	43	59	<b>210255</b>	<b>211255</b>	1
	6	44	59	<b>210256</b>	<b>211256</b>	1
32	1	0	43		<b>212321</b>	1
	2	1	60		<b>212322</b>	1
	3	2	77		<b>212323</b>	1
	4	3	94		<b>212324</b>	1
40	1	0	43		<b>212401</b>	1
	2	1	60		<b>212402</b>	1
	3	2	77		<b>212403</b>	1
	4	3	94		<b>212404</b>	1
63	1	0	43		<b>212631</b>	1
	2	1	60		<b>212632</b>	1
	3	2	77		<b>212633</b>	1
	4	3	94		<b>212634</b>	1

Features: the 67x67 handles are padlockable in positions 0 and I.

Technical accessories:



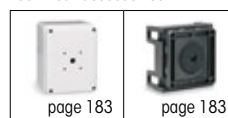
Switches with padlockable yellow front plate for base mounting IP65



Rated current (A)	Poles	CAM scheme	Depth (mm)	Palazzoli code 67x67	Pack Qty
12	3	2	46	<b>214123</b>	1
	4	3	46	<b>214124</b>	1
16	3	2	46	<b>214163</b>	1
	4	3	46	<b>214164</b>	1
20	3	2	46	<b>214203</b>	1
	4	3	46	<b>214204</b>	1
25	3	2	46	<b>214253</b>	1
	4	3	46	<b>214254</b>	1
32	3	2	60	<b>214323</b>	1
	4	3	60	<b>214324</b>	1
40	3	2	60	<b>214403</b>	1
	4	3	60	<b>214404</b>	1
63	3	2	60	<b>214633</b>	1
	4	3	60	<b>214634</b>	1

Features: the handles are padlockable in positions 0.

Technical accessories:

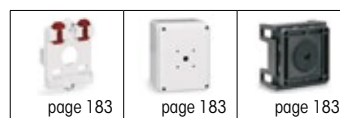


Two-way switches with grey front plate for base mounting IP65



Rated current (A)	Poles	CAM scheme	Depth (mm)	Palazzoli code 48x48	Palazzoli code 67x67	Pack Qty
12	1	8	33	<b>236121</b>	<b>237121</b>	1
	2	9	46	<b>236122</b>	<b>237122</b>	1
	3	10	59	<b>236123</b>	<b>237123</b>	1
16	1	8	33	<b>236161</b>	<b>237161</b>	1
	2	9	46	<b>236162</b>	<b>237162</b>	1
	3	10	59	<b>236163</b>	<b>237163</b>	1
20	1	8	33	<b>236201</b>	<b>237201</b>	1
	2	9	46	<b>236202</b>	<b>237202</b>	1
	3	10	59	<b>236203</b>	<b>237203</b>	1
25	1	8	33	<b>236251</b>	<b>237251</b>	1
	2	9	46	<b>236252</b>	<b>237252</b>	1
	3	10	59	<b>236253</b>	<b>237253</b>	1

Technical accessories:



CONTROL



# CAM-ST

## Multi-diagram cam switches

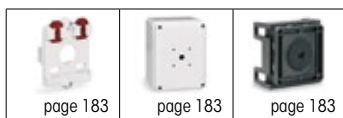


Selector switches with grey front plate for base mounting IP65



Rated current (A)	Poles	CAM scheme	Depth (mm)	Palazzoli code 48x48	Palazzoli code 67x67	Pack Qty
12	1	4	33	<b>215121</b>	<b>216121</b>	1
	2	5	46	<b>215122</b>	<b>216122</b>	1
	3	6	59	<b>215123</b>	<b>216123</b>	1
	4	7	72	<b>215124</b>	<b>216124</b>	1
16	1	4	33	<b>215161</b>	<b>216161</b>	1
	2	5	46	<b>215162</b>	<b>216162</b>	1
	3	6	59	<b>215163</b>	<b>216163</b>	1
	4	7	72	<b>215164</b>	<b>216164</b>	1
20	1	4	33	<b>215201</b>	<b>216201</b>	1
	2	5	46	<b>215202</b>	<b>216202</b>	1
	3	6	59	<b>215203</b>	<b>216203</b>	1
	4	7	72	<b>215204</b>	<b>216204</b>	1
25	1	4	33	<b>215251</b>	<b>216251</b>	1
	2	5	46	<b>215252</b>	<b>216252</b>	1
	3	6	59	<b>215253</b>	<b>216253</b>	1
	4	7	72	<b>215254</b>	<b>216254</b>	1
32	1	4	43		<b>217321</b>	1
	2	5	60		<b>217322</b>	1
	3	6	77		<b>217323</b>	1
	4	7	94		<b>217324</b>	1
40	1	4	43		<b>217401</b>	1
	2	5	60		<b>217402</b>	1
	3	6	77		<b>217403</b>	1
	4	7	94		<b>217404</b>	1
63	1	4	43		<b>217631</b>	1
	2	5	60		<b>217632</b>	1
	3	6	77		<b>217633</b>	1
	4	7	94		<b>217634</b>	1

Technical accessories:



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Three-pole reversing switches with grey front plate for base mounting IP65



Rated current (A)	CAM scheme	Depth (mm)	Palazzoli code 48x48	Palazzoli code 67x67	Pack Qty
12	12	59	<b>221123</b>	<b>222123</b>	1
16	12	59	<b>221163</b>	<b>222163</b>	1
20	12	59	<b>221203</b>	<b>222203</b>	1
25	12	59	<b>221253</b>	<b>222253</b>	1
32	12	77		<b>223323</b>	1
40	12	77		<b>223403</b>	1
63	12	77		<b>223633</b>	1



Dahlander pole selector switches with grey front plate for base mounting IP65



Rated current (A)	CAM scheme	Depth (mm)	Palazzoli code 48x48	Palazzoli code 67x67	Pack Qty
12	66	72	<b>381123</b>	<b>382123</b>	1
16	66	72	<b>381163</b>	<b>382163</b>	1
20	66	72	<b>381203</b>	<b>382203</b>	1
25	66	72	<b>381253</b>	<b>382253</b>	1

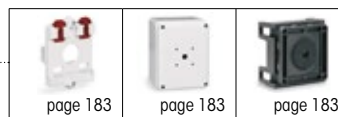


Star-delta starters with grey front plate for base mounting IP65



Rated current (A)	CAM scheme	Depth (mm)	Palazzoli code 48x48	Palazzoli code 67x67	Pack Qty
12	13	72	<b>218123</b>	<b>219123</b>	1
16	13	72	<b>218163</b>	<b>219163</b>	1
20	13	72	<b>218203</b>	<b>219203</b>	1
25	13	72	<b>218253</b>	<b>219253</b>	1
32	13	94		<b>220323</b>	1
40	13	94		<b>220403</b>	1
63	13	94		<b>220633</b>	1

Technical accessories:



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# CAM-ST

## Multi-diagram cam switches



Adaptor for mounting 12 A to 25A devices with screws on a 22 mm Ø hole

Front plate dimensions (mm)	Colour	Palazzoli code	Pack Qty
48x48	black	<b>270237</b>	1
67x67	black	<b>270239</b>	1
	yellow / red	<b>270240</b>	1



Adaptor for base mounting or installation on DIN rail

Rated current (A)	Width (mm)	Palazzoli code	Pack Qty
12-25	54	<b>270236</b>	1
32-63	78	<b>270243</b>	1



Wall-mounted box in technopolymer suitable for base-mounted devices IP65

Outer dimensions (mm)	Available depth (mm)	Palazzoli code	Pack Qty
121x158x107	90	<b>270247</b>	1



Extension shafts in aluminium alloy for base-mounted devices

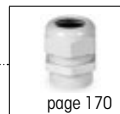
Rated current (A)	Board diameter (mm)	Width (mm)	Palazzoli code	Pack Qty
12-25	6	225	<b>271225</b>	1
	6	350	<b>271350</b>	1
	6	500	<b>271500</b>	1
32-63	6	225	<b>274225</b>	1
	6	350	<b>274350</b>	1
	6	500	<b>274500</b>	1



Universal wall-mounted box in technopolymer IP65

Outer dimensions (mm)	Available depth (mm)	Palazzoli code	Pack Qty
121x158x107	90	<b>270248</b>	1

**Technical accessories:**



CONTROL





# CAM-TAIS

Rotary switches in thermosetting GRP

Body material	Palazzoli Thermosetting GRP
Colour	RAL 5015 Sky blue (cover) RAL 7042 Traffic grey (base)
Protection rating	IP65 - IP66/ IP67
Impact resistance	IK10
Glow Wire Test	960°C
Flammability class	V-0
Insulation class	II
Ambient operating temperature	-25°C - +60°C
Ambient storage temperature	-50°C - +80°C
Rated current	From 16A to 630A
Operating voltage	690V
Insulation voltage	690V
Operating frequency	50/60Hz



Wall-mounted isolator switches with metric hole entries 50/60Hz IP66/IP67



Rated current (A)	Poles	CAM scheme	Enclosure dimensions (mm)	Hole type	Palazzoli code	Pack Qty
16	2	1	92x125		292101	1
	3	2			292102	1
	4	3			292103	1
25	3	2	125x185		292202	1
	4	3			292203	1
32	3	2	125x185		292232	1
	4	3			292233	1
40	3	2	125x185		292302	1
	4	3			292303	1
63	3	2	125x185		292412	1
	4	3			292413	1

**Features:** handle padlockable with 3 padlocks up to 8 mm.

**Technical accessories:**



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## DIRECTIVES

2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

IEC/EN 60947-1  
IEC/EN 60947-3  
IEC/EN 63000

The technical features of CAM-TAIS switches are on page 449.



# CAM-TAIS

Rotary switches in thermosetting GRP



Wall-mounted isolator switches with windowed walls 50/60Hz IP65

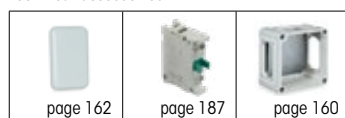


Rated current (A)	Poles	CAM scheme	Enclosure dimensions (mm)	Window type	Palazzoli code	Pack Qty
100	3	2	185x250		<b>292512</b>	1
	4	3			<b>292503</b>	1
125	3	2			<b>292542</b>	1
	4	3			<b>292543</b>	1
160	3	2			<b>292552</b>	1
	4	3			<b>292553</b>	1
200	3	2	250x370		<b>292621</b>	1
	4	3			<b>292623</b>	1
250	3	2			<b>292632</b>	1
	4	3			<b>292633</b>	1
400	4	3	370x500		<b>292703</b>	1
630	4	3			<b>292733</b>	1

**Equipment included:** coupling and flange fixing screws.

**Features:** handle padlockable in the "0" position with 2 padlocks up to 4.5 mm.

**Technical accessories:**



Wall-mounted isolator switches with fuse holder base 50/60Hz IP66/IP67



Rated current (A)	Poles	CAM scheme	Enclosure dimensions (mm)	Hole type	Palazzoli code	Pack Qty
16 fuses 10.3x38	3	2			<b>290163</b>	1
	4	3			<b>290164</b>	1
25 fuses 10.3x38	3	2	92x240		<b>290522</b>	1
	4	3			<b>290523</b>	1
32 fuses 10.3x38	3	2			<b>290323</b>	1
	4	3			<b>290324</b>	1
40 fuses 22x58	3	2			<b>290642</b>	1
	4	3			<b>290643</b>	1
63 fuses 22x58	3	2	125x335		<b>290762</b>	1
	4	3			<b>290763</b>	1

**Features:** handle padlockable with 3 padlocks up to 8 mm.

**Technical accessories:**



Wall-mounted isolator switches with windowed walls and fuse holder base 50/60Hz IP65



Rated current (A)	Poles	CAM scheme	Enclosure dimensions (mm)	Window type	Palazzoli code	Pack Qty
100 fuses ACR NH-00	4	3	250x370		<b>293053</b>	1
125 fuses ACR NH-00	4	3			<b>293123</b>	1
160 fuses ACR NH-00	4	3			<b>293163</b>	1
200 fuses ACR NH-1	4	3			<b>293063</b>	1
250 fuses ACR NH-1	4	3	370x500		<b>293263</b>	1

**Equipment included:** coupling and flange fixing screws.

**Features:** handle padlockable in the "0" position with 2 padlocks up to 4.5 mm.

**Technical accessories:**



CONTROL



# CAM-ALUPRES

Rotary switches in marine aluminium alloy

Body material	Marine aluminium alloy
Colour	RAL 5012 Light blue (cover) RAL 7035 Light grey (base)
Protection rating	IP55 - IP65 - IP66/IP67
Impact resistance	IK10
Insulation class	I
Ambient operating temperature	-25°C - +60°C
Ambient storage temperature	-50°C - +80°C
Rated current	From 16A to 630A
Operating voltage	690V
Insulation voltage	690V
Operating frequency	50/60Hz



Wall-mounted isolator switches with windowed walls 50/60Hz IP66/IP67



Rated current (A)	Poles	CAM scheme	Enclosure dimensions (mm)	Window type	Palazzoli code	Pack Qty
16	2	1	92x125		272141	1
	3	2			272142	1
	4	3			272143	1
25	6	3.1	125x185		272144**	1
	3	2			272242	1
	4	3			272243	1
32	6	3.1	185x252		272244**	1
	3	2			272232	1
	4	3			272233	1
40	3	2	252x315		272302	1
	4	3			272303	1
	6	3.1			272304**	1
63	3	2	252x507		282402	1
	4	3			282403	1
	6	3.1			282404**	1
100	3	2	373x507		272502	1
	4	3			272503	1
125	3	2	373x630		272542*	1
	4	3			272543*	1
160	3	2	blind walls		272552*	1
	4	3			272553*	1
200	3	2	blind walls		282602*	1
	4	3			282603*	1
250	3	2	blind walls		272632*	1
	4	3			272633*	1
400	4	3	blind walls		282703*	1
630	4	3	blind walls		282803*	1



### DIRECTIVES

2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

### PRODUCT STANDARDS

IEC/EN 60947-1  
IEC/EN 60947-3  
IEC/EN 63000

The technical characteristics of CAM-ALUPRES switches up to 4 poles are on page 450. The technical specifications of all other control devices are on page 449.

**Equipment included:** coupling gaskets and screws.

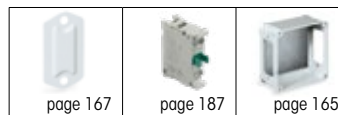
**Features:** handle padlockable with 3 padlocks up to 8 mm.

Earthing connection inside and outside the box.

\* IP65 protection rating, handle padlockable in the "0" position with 2 padlocks up to 4.5 mm.

\*\* The 6P version does not support auxiliary contacts.

### Technical accessories:





# CAM-ALUPRES

Rotary switches in marine aluminium alloy

CONTROL



Wall-mounted selector switches with windowed walls  
50/60Hz IP66/IP67



Rated current (A)	Poles	CAM scheme	Enclosure dimensions (mm)	Window type	Palazzoli code	Pack Qty
16	3	6	92x125		<b>272146</b>	1
	4	7			<b>272147</b>	1
25	3	6	125x185		<b>272246</b>	1
	4	7			<b>272247</b>	1
40	3	6	125x185		<b>272306</b>	1
	4	7			<b>272307</b>	1
63	3	6	252x185		<b>282406</b>	1
	4	7			<b>282407*</b>	1
100	4	7	315x315		<b>272507*</b>	1
200	4	7	373x373		<b>282607*</b>	1

**Equipment included:** coupling gaskets and screws.  
**Features:** earthing connection inside and outside the box.  
\*the protection rating is IP55, handles with mechanical lever and bevel gear transmission.



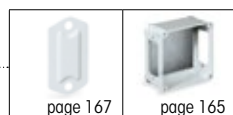
Wall-mounted two-way switches with windowed walls  
50/60Hz IP66/IP67



Rated current (A)	Poles	CAM scheme	Enclosure dimensions (mm)	Window type	Palazzoli code	Pack Qty
16	1	8	92x92		<b>272148</b>	1

**Equipment included:** coupling gaskets and screws.  
**Features:** earthing connection inside and outside the box.

**Technical accessories:**



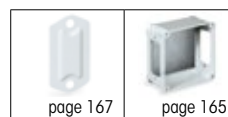
Wall-mounted reversing switches with windowed walls for three-phase motors  
50/60Hz IP66/IP67



Rated current (A)	CAM scheme	Enclosure dimensions (mm)	Window type	Palazzoli code	Pack Qty
16	12	92x125		<b>272152</b>	1
25	12			<b>272252</b>	1
40	12	125x185		<b>272312</b>	1
63	12			<b>282412</b>	1

**Equipment included:** coupling gaskets and screws.  
**Features:** earthing connection inside and outside the box.

**Technical accessories:**



Auxiliary contacts for switch status signalling

Rated current (A)	Switch type	Contact type	Palazzoli code	Pack Qty
10	16A - 100A 2P, 3P, 4P	1 NC (Late break)	<b>270326</b>	1
		1 NO postponed	<b>270327</b>	1
		1 NC	<b>270330</b>	1
		1 NO	<b>270331</b>	1
		1 NO + 1 NC	<b>270332</b>	1

**Features:** code 270332 consisting of 2 contacts.

# CAM - FIRE





# CAM-FIRE

Fire resistant rotary switches in aluminium alloy

Body material	Aluminium alloy
Colour	RAL 3020 Traffic red (cover) RAL 7035 Light grey (base)
Protection rating	IP66/IP67 (16A - 63A) IP55 (125A - 200A)
Impact resistance	IK10
Insulation class	I
Ambient operating temperature	-25°C - +70°C
Ambient storage temperature	-50°C - +80°C
Rated current	16A - 25A - 40A - 63A 125A - 160A - 200A
Operating voltage	max. 500V
Insulation voltage	500V
Operating frequency	50/60Hz



## DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)  
2009/125/EC (ErP)  
EU Reg. 2019/2020 (EcoDesign)

## PRODUCT STANDARDS

IEC/EN 60947-3  
EN 12101-3

Rated operating current:		16A	25A	40A	63A	125A	160A	200A	
Thermal current I <sub>th</sub>		A	16	25	40	63	125	160	200
AC-21A	415V	A	16	25	40	63	125	160	200
	500V	A	16	25	40	63	125	160	200
AC-22A	415V	A	16	25	40	63	125	160	200
	500V	A	16	25	40	63	125	160	200
AC-23A	230V	A	16	25	40	63	100	160	200
	400V								
	500V								
AC-23A	230V	kW	5.1	8.0	12.7	20.1	31.8	51.0	63.7
	400V		8.9	13.9	22.2	34.9	55.4	88.7	110.9
	500V		11.1	17.3	27.7	43.6	69.2	110.9	138.6
AC-3	230V	kW	4.5	6.4	11.2	17.5	25.5	25.5	31.9
	400V		7.8	11.1	19.4	30.5	44.3	44.3	55.4
	500V		9.7	13.9	24.2	38.1	55.4	55.4	51.9

Wiring data:		16A	25A	40A	63A	125A	160A	200A
Entry cable cross-section	mm <sup>2</sup>	1-4	1.5-6	4-10	6-16	16-70	16-70	16-70
Tightening torque	Nm	1.5		2		3	6	6



Wall-mounted isolator switches and fire resistant  
50/60Hz IP66/IP67 400 °C 120'



Rated current (A)	Poles	CAM scheme	Enclosure dimensions (mm)	Window type	Palazzoli code	Pack Qty
16	3	2	92x125	blind walls	<b>152130</b>	1
	4	3		blind walls	<b>152140</b>	1
25	6	3.1	125x185	blind walls	<b>152160</b>	1
	3	2		blind walls	<b>152230</b>	1
40	4	3	185x252	blind walls	<b>152240</b>	1
	6	3.1		blind walls	<b>152260</b>	1
63	3	2	185x252	blind walls	<b>152330</b>	1
	4	3		blind walls	<b>152340</b>	1
125	6	3.1	220x315	blind walls	<b>152360</b>	1
	3	2		blind walls	<b>152430</b>	1
160	4	3	220x315	blind walls	<b>152440</b>	1
	6	3.1		blind walls	<b>152460</b>	1
200	3	2	220x315	blind walls	<b>152530*</b>	1
	4	3		blind walls	<b>152540*</b>	1
	3	2	220x315	blind walls	<b>152631*</b>	1
	4	3		blind walls	<b>152641*</b>	1
	3	2	220x315	blind walls	<b>152630*</b>	1
	4	3		blind walls	<b>152640*</b>	1

**Equipment included:** earth terminal, inside and outside the box. Gasket.  
**Features:** padlockable handle.  
\*The protection rating is IP55. Wall-mounted isolator switches with windowed walls.

### Technical accessories:







# CAM

Multiway cam switches for base mounting



Body material	Palazzoli Thermosetting GRP
Protection rating	IP65 (handle) IP00 (terminals)
Impact resistance	IK08
Resistance to abnormal heat and fire	960°C
Flammability class	V-0
Ambient operating temperature	-25°C - +60°C
Ambient storage temperature	-40°C - +80°C
Rated current	16A - 25A - 40A - 63A - 100A 200A - 400A - 600A - 800A - 1200A
Operating voltage	50V - 500V
Insulation voltage	500V
Operating frequency	50/60Hz



## DIRECTIVES

2014/35/EU (LVD)

## PRODUCT STANDARDS

IEC/EN 60947-1  
IEC/EN 60947-3

Rated operating current:		16A	25A	40A	63A	100A	200A	
<b>Thermal current I<sub>th</sub></b>	A	16	25	40	63	100	200	
AC-21A	415V	A	16	25	40	63	200	
	500V	A	16	25	40	63	200	
AC-22A	415V	A	16	25	40	63	200	
	500V	A	16	25	40	63	200	
AC-23A	230V	A	16	25	40	63	200	
	400V	A	16	25	40	63	200	
	500V	A	16	25	40	63	200	
AC-23A	230V	kW	5.1	8.0	12.7	20.1	31.9	63.7
	400V		8.9	13.9	22.2	34.9	55.4	110.9
	500V		11.1	17.3	27.7	43.6	69.3	138.6
AC-3	230V	kW	4.5	6.4	11.2	17.5	-	31.9
	400V		7.8	11.1	19.4	30.5	-	55.4
	500V		9.7	13.9	24.2	38.1	-	69.3

Wiring data:		16A	25A	40A	63A	100A	200A
Entry cable cross-section	mm <sup>2</sup>	1-4	1.5-6	4-10	6-16	10-35	16-95
Tightening torque	Nm	1.5		2		3	6



# CAM

## Multiway cam switches for base mounting

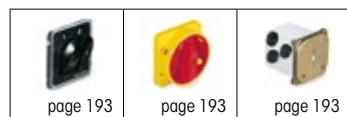


Isolator switches with black anodised aluminium front plate for distribution boards IP65



Rated current (A)	Poles	CAM scheme	Depth (mm)	Front plate dimensions (mm)	Palazzoli code	Pack Qty
16	1	0	52	64x64	<b>276600</b>	1
	2	1	52	64x64	<b>276601</b>	5
	3	2	67	64x64	<b>276602</b>	5
	4	3	67	64x64	<b>276603</b>	5
25	2	1	52	64x64	<b>276701</b>	1
	3	2	68	64x64	<b>276702</b>	5
	4	3	68	64x64	<b>276703</b>	5
40	2	1	74	94x94	<b>276801</b>	1
	3	2	92	94x94	<b>276802</b>	1
	4	3	92	94x94	<b>276803</b>	1
63	3	2	108	94x94	<b>286902</b>	1
	4	3	108	94x94	<b>286903</b>	5
100	4	3	133	134x134	<b>276503</b>	1
200	4	3	145	134x134	<b>286603</b>	1

Technical accessories:



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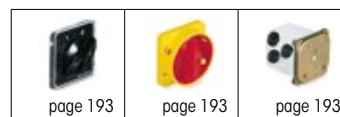


Selector switches with black anodised aluminium front plate for distribution boards IP65



Rated current (A)	Poles	CAM scheme	Depth (mm)	Front plate dimensions (mm)	Palazzoli code	Pack Qty
16	1	4	52	64x64	<b>276604</b>	1
	2	5	67	64x64	<b>276605</b>	1
	3	6	83	64x64	<b>276606</b>	5
	4	7	98	64x64	<b>276607</b>	1
25	2	5	68	64x64	<b>276705</b>	1
	3	6	84	64x64	<b>276706</b>	1
	4	7	100	64x64	<b>276707</b>	1
	2	5	92	94x94	<b>276805</b>	1
40	3	6	110	94x94	<b>276806</b>	1
	4	7	128	94x94	<b>276807</b>	1
	3	6	134	94x94	<b>286906</b>	1
63	4	7	159	94x94	<b>286907</b>	1
	4	7	197	134x134	<b>276507</b>	1
200	4	7	221	134x134	<b>286607</b>	1

Technical accessories:



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Isolator switches with black anodised aluminium front plate for distribution boards IP65



Rated current (A)	Poles	CAM scheme	Depth (mm)	Front plate dimensions (mm)	Palazzoli code	Pack Qty
400	4	3	221	134x134	<b>286703</b>	1
600	3	2	259	134x134	<b>286732</b>	1
800	3	2	297	134x134	<b>286762</b>	1
1200	3	2	411	134x134	<b>286782</b>	1

CONTROL



# CAM

## Multiway cam switches for base mounting



Two-way switches with black anodised aluminium front plate for distribution boards IP65



Rated current (A)	Poles	CAM scheme	Depth (mm)	Front plate dimensions (mm)	Palazzoli code	Pack Qty
16	1	8	52	64x64	<b>276608</b>	1
	2	9	67	64x64	<b>276609</b>	1
	3	10	83	64x64	<b>276610</b>	1
	4	11	98	64x64	<b>276611</b>	1

Uses: they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).

Technical accessories:



Star-delta starters with black anodised aluminium front plate for distribution boards IP65



Rated current (A)	CAM scheme	Depth (mm)	Front plate dimensions (mm)	Palazzoli code	Pack Qty
16	13	98	64x64	<b>276613</b>	1
25	13	100	64x64	<b>276713</b>	1
40	13	128	99x99	<b>276813</b>	1
63	13	159	99x99	<b>286913</b>	1
100	13	197	134x134	<b>276513</b>	1

Technical accessories:



Reversing switches with black anodised aluminium front plate for distribution boards IP65



Rated current (A)	CAM scheme	Depth (mm)	Front plate dimensions (mm)	Palazzoli code	Pack Qty
16	12	83	64x64	<b>276612</b>	5
25	12	84	64x64	<b>276712</b>	5
40	12	110	99x99	<b>276812</b>	1
63	12	134	99x99	<b>286912</b>	1

Technical accessories:





# CAM

## Multiway cam switches for base mounting



Transparent protection covers for distribution boards IP54

For devices with depth (mm)	Palazzoli code	Pack Qty
52/67/68	<b>276910</b>	1
74/82/92	<b>276930</b>	1
79/83/84/95/96/98/100	<b>276911</b>	1
108/110/128/134	<b>276931</b>	1
114/116/130/132	<b>276912</b>	1
145/148/160/164	<b>276913</b>	1
159	<b>276932</b>	1

**Uses:** they have passages with stepped gland in non-ageing elastomer. They ensure IP54 rear protection.



Flush-mounted black handles with aluminium front plate and transparent protection IP54

Front plate type	Rated current (A)	Flange dimensions (mm)	Palazzoli code	Pack Qty
	16-25	67x67	<b>292116</b>	1
	40-63	99x99	<b>292316</b>	1
	16-25	67x67	<b>292136</b>	1
	40-63	99x99	<b>292336</b>	1
	16	67x67	<b>292146</b>	1
	16-25	67x67	<b>292156</b>	1
	40-63	99x99	<b>292356</b>	1



Grey padlockable handles with blue technopolymer flange for distribution board or flush mounting IP54

Front plate type	Rated current (A)	Flange dimensions (mm)	Palazzoli code	Pack Qty
	16-25	67x67	<b>292125</b>	10
	40-63	99x99	<b>292325</b>	1



Red padlockable handles with yellow flange in technopolymer material for distribution board or flush mounting IP54

Front plate type	Rated current (A)	Flange dimensions (mm)	Palazzoli code	Pack Qty
	16-25	67x67	<b>292105</b>	10
	40-63	99x99	<b>292305</b>	1



# CAM

## Multiway cam switches for base mounting

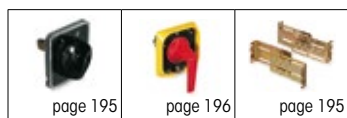


Isolator switches with door lock and protection cap for base mounting



Rated current (A)	Poles	CAM scheme	Depth (mm)	Palazzoli code	Pack Qty
16	3	2	96	<b>275112</b>	10
	4	3	96	<b>275113</b>	10
25	3	2	97	<b>275212</b>	10
	4	3	97	<b>275213</b>	10
40	3	2	123	<b>275312</b>	5
	4	3	123	<b>275313</b>	5
63	3	2	140	<b>285412</b>	5
	4	3	140	<b>285413</b>	5

Technical accessories:



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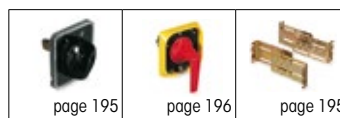


Selector switches with door lock and protection cap for base mounting



Rated current (A)	Poles	CAM scheme	Depth (mm)	Palazzoli code	Pack Qty
16	3	6	112	<b>275116</b>	1
	4	7	128	<b>275117</b>	1
25	3	6	113	<b>275216</b>	1
	4	7	129	<b>275217</b>	1
40	3	6	141	<b>275316</b>	1
	4	7	159	<b>275317</b>	1
63	3	6	166	<b>285416</b>	1
	4	7	191	<b>285417</b>	1

Technical accessories:



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Isolator switches with door lock and protection cap for base mounting



Rated current (A)	Poles	CAM scheme	Depth (mm)	Palazzoli code	Pack Qty
100	3	2	183	<b>270512</b>	1
	4	3	183	<b>270513</b>	1
200	3	2	195	<b>280612</b>	1
	4	3	195	<b>280613</b>	1
400	3	2	233	<b>280712*</b>	1
	4	3	271	<b>280713*</b>	1

Features: \*isolator switch only.

Technical accessories:



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Selector switches with door lock and protection cap for base mounting



Rated current (A)	Poles	CAM scheme	Depth (mm)	Palazzoli code	Pack Qty
100	4	7	247	<b>270517</b>	1
	200	4	7	271	<b>280617</b>

Technical accessories:



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# CAM

## Multiway cam switches for base mounting



Adjustable spacer support kit in steel for base-mounting devices

Min length (mm)	Max. length (mm)	Palazzoli code	Pack Qty
97	168	<b>270900</b>	10

**Features:** suitable for 16A to 63A devices. It consists of 4 equal squares in galvanized steel with self-threading screws and washers.

**Uses:** it is used for fixing devices in the right position and height for correct coupling with the handle applied to the hatch.



Black handles with door lock and anodised aluminium front plate IP54

Front plate type	Rated current (A)	Flange dimensions (mm)	Palazzoli code	Pack Qty
	100	134x134	<b>270528</b>	1
	200	134x134	<b>270628</b>	2
	100	134x134	<b>270538</b>	1
	200	134x134	<b>270638</b>	1



Black handles with door lock and anodised aluminium front plate and polycarbonate protection IP54

Front plate type	Rated current (A)	Flange dimensions (mm)	Palazzoli code	Pack Qty
	16-25	67x67	<b>295117</b>	1
	40-63	99x99	<b>295157</b>	5
	16-25	67x67	<b>295137</b>	1
	40-63	99x99	<b>295177</b>	1



Black handwheel with door lock and anodised aluminium front plate IP54

Front plate type	Rated current (A)	Flange dimensions (mm)	Palazzoli code	Pack Qty
	400	134x134	<b>270728</b>	1





# CAM

## Multi-diagram cam switches



Grey padlockable handles with door lock in technopolymer IP54

Front plate type	Rated current (A)	Flange dimensions (mm)	Palazzoli code	Pack Qty
	16-25	67x67	<b>295127</b>	1
	40-63	99x99	<b>295167</b>	1

Features: padlockable in all positions.



Red padlockable handles with door lock in technopolymer IP54

Front plate type	Rated current (A)	Flange dimensions (mm)	Palazzoli code	Pack Qty
	16-25	67x67	<b>295107</b>	10
	40-63	99x99	<b>295147</b>	5

Features: padlockable in all positions.



Grey padlockable handles with anodised aluminium front plate with door lock IP65

Front plate type	Rated current (A)	Flange dimensions (mm)	Palazzoli code	Pack Qty
	16-25	83x83	<b>295108</b>	10
	16-25	83x83	<b>295118</b>	1

Features: padlockable in all positions.



Red padlockable handles with anodised aluminium front plate with door lock IP65

Front plate type	Rated current (A)	Flange dimensions (mm)	Palazzoli code	Pack Qty
	16-25	83x83	<b>295128</b>	10
	16-25	83x83	<b>295138</b>	1

Features: padlockable in all positions.



Grey padlockable handles with anodised aluminium front plate with door lock IP66/IP67

Front plate type	Rated current (A)	Flange dimensions (mm)	Palazzoli code	Pack Qty
	40-63	105x105	<b>295308</b>	5
	100-200	105x105	<b>292508</b>	1
	400	72x83	<b>292708*</b>	1
	40-63	105x105	<b>295318</b>	1
	100-200	105x105	<b>292518</b>	1

Features: padlockable in all positions.

\* IP65 rating



Red padlockable handles with anodised aluminium front plate with door lock IP66/IP67

Front plate type	Rated current (A)	Flange dimensions (mm)	Palazzoli code	Pack Qty
	40-63	105x105	<b>295328</b>	5
	100-200	105x105	<b>292528</b>	2
	400	72x83	<b>292728*</b>	1
	40-63	105x105	<b>295338</b>	1
	100-200	105x105	<b>292538</b>	1

Features: padlockable in all positions.

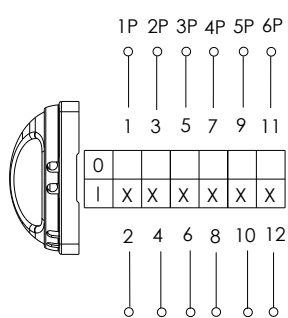
\* IP65 rating



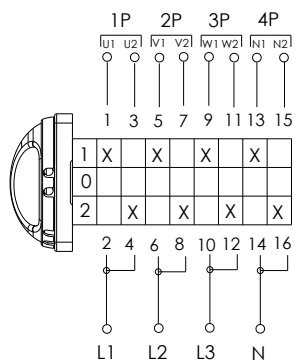
# TYPICAL CONTACT SCHEMES FOR CONTROL DEVICES

CONTROL

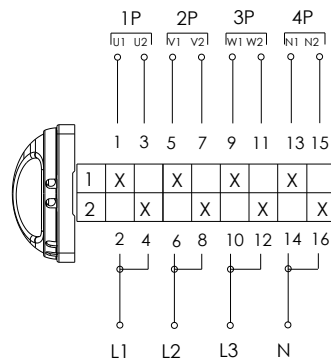
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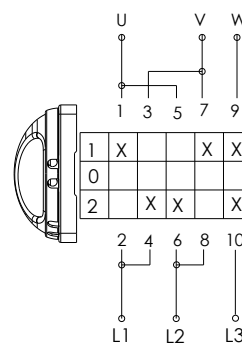
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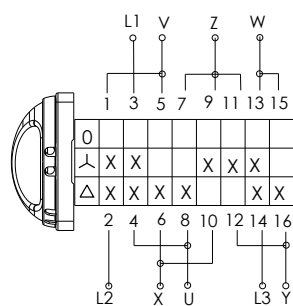
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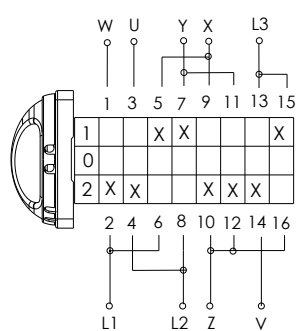
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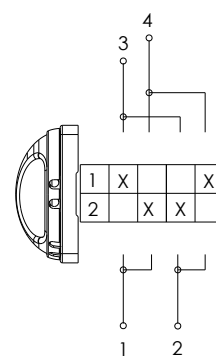
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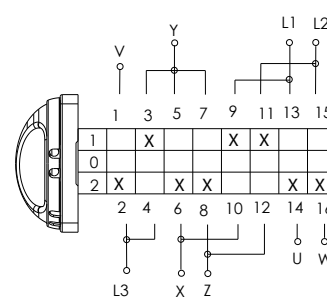
**CAM 15**



**CAM 38**



**CAM 66**



X = CLOSED CONTACT

# TAIS MIGNON





## TAIS MIGNON

Small devices in thermosetting GRP

### ADVANTAGES



1

All the products of the TAIS MIGNON series are made of Palazzoli Thermosetting GRP and resist to high temperature and attacks of chemical agents.

CONTROL

Thanks to the IP67 protection rating the control devices from TAIS MIGNON series can be used in areas subject to presence of liquids and humidity.



2

All devices can easily be combined one another and allow for the creation of small series of distribution boards.

The boxes are designed to accommodate all the inserts of the DOMOTER series.



3

The TAIS MIGNON products have the most compact dimensions on the market and thanks to the different versions they can be either flush or wall mounted.



4



# TAIS MIGNON

Small devices in thermosetting GRP

Body material	Palazzoli Thermosetting GRP
Colour	RAL 5015 Sky blue (cover) RAL 7035 Light grey (base)
Protection rating	IP44 - IP65 - IP67
Impact resistance	IK04
Resistance to abnormal heat and fire	960°C
Flammability class	V-0
Insulation class	II
Ambient operating temperature	-25°C - +70°C
Ambient storage temperature	-50°C - +80°C
Rated current	16A
Operating voltage	250V - 400V
Operating frequency	50/60Hz



### DIRECTIVES

2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

### PRODUCT STANDARDS

IEC/EN 60669-1  
IEC 23-50  
IEC/EN 60309-1  
IEC/EN 60309-2

Cable gland features:		M16	M20	M25
Entry cable diameter	mm	10-12	5-13	8-19
Entry cable cross-section	mm <sup>2</sup>	min. 1.5 - max. 4		



Wall-mounted switches IP67



Poles	Entry type	Enclosure dimensions (mm)	Rated current/voltage	Palazzoli code	Pack Qty
1P	M20	62x80x48	16A 250V~ 10A 400V~	<b>202271</b>	10
1P	M16 M16	62x80x48	16A 250V~ 10A 400V~	<b>202261</b>	1
2P	M16 M16	62x80x48	16A 250V~ 10A 400V~	<b>202262</b>	10
2P	M20	62x80x48	16A 250V~ 10A 400V~	<b>202282</b>	10
3P	M20	62x80x48	16A 400V~	<b>202283</b>	10

**Equipment included:** as many cable glands as the number of entries.  
**Features:** code 202271 can be used with two opposite entries. Code 202283 with double breaking contacts.



Wall-mounted two-way switches IP67



Poles	Entry type	Enclosure dimensions (mm)	Rated current/voltage	Palazzoli code	Pack Qty
1P	M20	62x80x48	16A 250V~ 10A 400V~	<b>202276</b>	10
1P	M16 M16	62x80x48	16A 250V~ 10A 400V~	<b>202266</b>	1

**Equipment included:** as many cable glands as the number of entries.  
**Features:** code 202276 can also be used with two opposing entries.



Wall-mounted selector switches IP67



Poles	Entry type	Enclosure dimensions (mm)	Rated current/voltage	Palazzoli code	Pack Qty
1P	M20	62x80x48	16A 250V~ 10A 400V~	<b>202275</b>	1
1P	M16 M16	62x80x48	16A 250V~ 10A 400V~	<b>202265</b>	1

**Equipment included:** as many cable glands as the number of entries.  
**Features:** code 202275 can be used with two opposite entries. By removing the rear bond, the device becomes a double single-pole switch.



# TAIS MIGNON

Small devices in thermosetting GRP



Wall-mounted push-buttons  
IP67

technopolymer  
cable gland

Poles	Entry type	Enclosure dimensions (mm)	Rated current/voltage	Palazzoli code	Pack Qty
1 NO	M20	62x80x51	10A 400V~	<b>261435</b>	10
1 NO	M1.6 M1.6	62x80x51	10A 400V~	<b>261403</b>	1
1 NC	M20	62x80x51	10A 400V~	<b>261445</b>	1
1 NC	M1.6 M1.6	62x80x51	10A 400V~	<b>261413</b>	1

**Equipment included:** as many cable glands as the number of entries.  
**Features:** code 261435 and 261445 can be used with two opposite entries.



Wall-mounted start-stop  
push button panel  
IP67

technopolymer  
cable gland

Poles	Entry type	Enclosure dimensions (mm)	Rated current/voltage	Palazzoli code	Pack Qty
1 NO+1 NC	M20	62x80x51	10A 400V~	<b>261432</b>	1

**Equipment included:** as many cable glands as the number of entries.  
**Features:** it can be used with two opposite entries.



Wall-mounted open-close  
push button panel  
IP67

technopolymer  
cable gland

Poles	Entry type	Enclosure dimensions (mm)	Rated current/voltage	Palazzoli code	Pack Qty
1 NO+1 NC	M20	62x80x51	10A 400V~	<b>261433</b>	1

**Equipment included:** as many cable glands as the number of entries.  
**Features:** it can be used with two opposite entries.



Wall-mounted Schuko  
domestic socket  
IP44

technopolymer  
cable gland

Description	Entry type	Enclosure dimensions (mm)	Palazzoli code	Pack Qty
2P+ $\neq$ 10/16A UNEL, Schuko type (with side earth) size 19mm	M20	62x80x65	<b>431237</b>	10

**Equipment included:** as many cable glands as the number of entries.  
**Features:** it can be used with two opposite entries.



Wall-mounted box  
for domoTER domestic sockets  
IP44

technopolymer  
cable gland

Entry type	Enclosure dimensions (mm)	Installable device modules	Palazzoli code	Pack Qty
M20	62x80x62	2	<b>559232</b>	1

**Equipment included:** as many cable glands as the number of entries.  
**Features:** it can be used with two opposite entries.



Wall-mounted box  
for domoTER domestic sockets  
with watertight cap  
for plugged-in plug  
IP55

Entry type	Enclosure dimensions (mm)	Installable device modules	Palazzoli code	Pack Qty
M20 M20	62x80x94	2	<b>559234</b>	1

**Equipment included:** cable gland in technopolymer type M20.  
**Features:** can also be used with two opposing entries by replacing the M20 end cap, pre-mounted on the bottom side of the box, with an M20 cable gland.

**Technical accessories:**



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# TAIS MIGNON

Small devices in thermosetting GRP



Wall-mounted boxes for Ticino Magic devices IP44

technopolymer cable gland





Entry type	Enclosure dimensions (mm)	Installable device modules	Palazzoli code	Pack Qty
	62x80x62	1	<b>559021</b>	8
	62x80x62	1	<b>559031</b>	8
	62x80x62	1+1	<b>559022</b>	1
	62x80x62	1+1	<b>559032</b>	1

**Equipment included:** as many cable glands as the number of entries.



Wall-mounted signalling lamps with E14 lamp holder IP65

technopolymer cable gland

Rated operating voltage (V)	Entry type	Enclosure dimensions (mm)	Diffuser colour	Palazzoli code	Pack Qty
250		62x80x78	Red	<b>800061</b>	6
250		62x80x78	Green	<b>800062</b>	6
250		62x80x78	Transparent	<b>800063</b>	6
250		62x80x78	Yellow	<b>800064</b>	6

**Equipment included:** as many cable glands as the number of entries.

**Features:** it can be used with two opposite entries.



















Polycarbonate diffuser.

14 lamp holder for 3C, max. 12W lamp. Lamp not included.



Wall-mounted industrial socket-outlets 50/60Hz IP44

technopolymer cable gland

Rated current (A)	Entry type	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16		110		2P+⊕	4	<b>471204</b>	10
		110		3P+⊕	4	<b>471284</b>	1
		110		3P+N+⊕	4	<b>471294</b>	1
		230		2P+⊕	6	<b>471304</b>	10
		230		3P+⊕	9	<b>471314</b>	1
		230		3P+N+⊕	9	<b>471324</b>	1
		400		2P+⊕	9	<b>471404</b>	1
		400		3P+⊕	6	<b>471414</b>	1
		400		3P+N+⊕	6	<b>471424</b>	1

**Equipment included:** as many cable glands as the number of entries.

**Features:** pillar terminals for connecting cables.

**Technical accessories:**




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Wall-mounted industrial socket-outlets for extra-low voltage 50/60Hz IP44

technopolymer cable gland

Rated current (A)	Entry type	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16		24		2P	-	<b>471004</b>	1
		24		3P	-	<b>471094</b>	1
		42		2P	12	<b>471104</b>	1
		42		3P	12	<b>471114</b>	1

**Equipment included:** as many cable glands as the number of entries.

**Features:** pillar terminals for connecting cables.

**Technical accessories:**



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# TAIS MIGNON

Small devices in thermosetting GRP



Wall-mounted fuse holder  
IP65



Enclosure dimensions (mm)	Entry type	Poles	Fuse type	Palazzoli code	Pack Qty
62x80x46		2P	ø8.5x23	<b>302044</b>	1
62x80x46		3P	ø8.5x23	<b>302054</b>	1
62x102x46		2P	ø8.5x32	<b>302144</b>	1
62x102x46		3P	ø8.5x32	<b>302154</b>	1

**Equipment included:** as many cable glands as the number of entries. Extractors for fuses.  
**Features:** fuses not included.



Cylindrical fuses  
type "gL"

Dimensions (mm)	Rated current (A)	Rated voltage (V)	Palazzoli code	Pack Qty
ø 8.5x23	2	230	<b>302091</b>	10
ø 8.5x23	4	230	<b>302092</b>	10
ø 8.5x23	6	230	<b>302093</b>	10
ø 8.5x23	10	230	<b>302095</b>	10
ø 8.5x23	16	230	<b>302097</b>	10
ø 8.5x32	4	400	<b>302192</b>	10
ø 8.5x32	6	400	<b>302193</b>	30
ø 8.5x32	10	400	<b>302195</b>	30
ø 8.5x32	16	400	<b>302197</b>	30



Wall-mounted junction boxes  
IP65



Outer dimensions (mm)	Entry type	Palazzoli code	Pack Qty
62x80x38		<b>101021</b>	12
62x80x38		<b>101031</b>	10
62x80x38		<b>101041</b>	12
62x80x38		<b>101061</b>	12
77x102x48		<b>101151</b>	10
77x102x48		<b>101161</b>	1

**Equipment included:** as many cable glands as the number of entries.  
**Features:** screws in stainless steel for fixing covers.



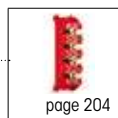
Wall-mounted junction boxes  
with increased internal capacity  
IP65



Outer dimensions (mm)	Entry type	Palazzoli code	Pack Qty
62x80x46		<b>101022</b>	10
77x102x55		<b>101121</b>	8

**Equipment included:** as many cable glands as the number of entries.  
**Features:** screws in stainless steel for fixing covers.

**Technical accessories:**



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# TAIS MIGNON

Small devices in thermosetting GRP



Wall-mounted junction boxes with cage terminals IP65

Outer dimensions (mm)	Entry type	No. of poles per section	Palazzoli code	Pack Qty
62x80x38	M20	4x6 mm <sup>2</sup>	<b>101025</b>	12
62x80x38	M20 M20	4x6 mm <sup>2</sup>	<b>101035</b>	10
62x80x38	M20 M20 M20	4x6 mm <sup>2</sup>	<b>101045</b>	12
77x102x48	M20 M20 M20 M20	5x6 mm <sup>2</sup>	<b>101156</b>	10
77x102x48	M25 M25 M25 M25	5x6 mm <sup>2</sup>	<b>101157</b>	10

**Equipment included:** 6 mm<sup>2</sup> cage terminals A number of cable glands equal to the number of entries.

**Features:** stainless steel screws for fixing covers.



Wall-mounted modular box IP65

Outer dimensions (mm)	Entry type	Palazzoli code	Pack Qty
125x77x55	M25 M20	<b>101081</b>	12

**Equipment included:** as many cable glands as the number of entries.

**Features:** screws in stainless steel for fixing covers. The modular dimensions allow combinations with watertight wall-mounted modular boxes and all the TAIS MIGNON wall-mounted devices.



Coupling fittings with metric threading for TAIS MIGNON boxes IP67

Mounting hole type	Internal hole ø (mm)	Palazzoli code	Pack Qty
M20	16	<b>590020</b>	5
M25	20	<b>590025</b>	1

**Equipment included:** complete with gasket.



Terminal block with screw connection for TAIS MIGNON boxes

Rated voltage (V)	No. of poles per section	Palazzoli code	Pack Qty
400	4x6 mm <sup>2</sup>	<b>101096</b>	20

**Features:** they can be inserted inside TAIS MIGNON boxes with dimensions 77x102mm and 77x125mm with screws.

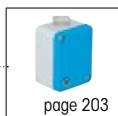


Terminal block with quick fit system for TAIS MIGNON boxes

Rated voltage (V)	No. of poles per section	Palazzoli code	Pack Qty
400	4x6 mm <sup>2</sup>	<b>101095</b>	10

**Features:** they can be inserted inside TAIS MIGNON boxes with dimensions 77x102mm and 77x125mm with screws.

**Technical accessories:**



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## TAIS MIGNON

Small devices in thermosetting GRP



Flush-mounted switches  
IP67

Poles	Rated current/voltage	Flush-mount dimensions (mm)	Palazzoli code	Pack Qty
1P	16A 250V~ 10A 400V~	62x80	<b>202291</b>	1
2P	16A 250V~ 10A 400V~	62x80	<b>202292</b>	1
3P	16A 400V~	62x80	<b>202293</b>	1

**Equipment included:** with through holes for cable entry and accessories for panel fixing.  
**Features:** code 202293 with double break contacts.



Flush-mounted two-way switches  
IP67

Poles	Rated current/voltage	Flush-mount dimensions (mm)	Palazzoli code	Pack Qty
1P	16A 250V~ 10A 400V~	62x80	<b>202296</b>	1

**Equipment included:** with through holes for cable entry and accessories for panel fixing.



Flush-mounted selector switches  
IP67

Poles	Rated current/voltage	Flush-mount dimensions (mm)	Palazzoli code	Pack Qty
1P	16A 250V~ 10A 400V~	62x80	<b>202295</b>	1

**Equipment included:** with through holes for cable entry and accessories for panel fixing.  
**Features:** By removing the rear jumper, the device becomes a double single-pole switch.



Flush-mounted push-buttons  
IP67

Poles	Rated current/voltage	Flush-mount dimensions (mm)	Palazzoli code	Pack Qty
1 NO	10A 400V~	62x80	<b>261495</b>	1
1 NC	10A 400V~	62x80	<b>261496</b>	1

**Equipment included:** with through holes for cable entry and accessories for panel fixing.



Flush-mounted open-close  
push button panel  
IP67

Poles	Rated current/voltage	Flush-mount dimensions (mm)	Palazzoli code	Pack Qty
1 NO+1 NC	10A 400V~	62x80	<b>261493</b>	1

**Equipment included:** with through holes for cable entry and accessories for panel fixing.



# TAIS MIGNON

Small devices in thermosetting GRP



Flush-mounted signalling lamps with E14 lamp holder IP65

Rated voltage (V)	Diffuser colour	Flush-mount dimensions (mm)	Palazzoli code	Pack Qty
250	red	62x80	<b>800071</b>	1
250	green	62x80	<b>800072</b>	1
250	Transparent	62x80	<b>800073</b>	1
250	yellow	62x80	<b>800074</b>	1

**Features:** polycarbonate diffuser. E14 lamp holder for 3C lamps, 12W max. Lamp not included. With through holes for cable entry.



Flush-mounted pulling box IP65

Outer dimensions (mm)	Flush-mount dimensions (mm)	Palazzoli code	Pack Qty
73x91	62x80	<b>202299</b>	1

**Equipment included:** complete with accessories for panel fixing.  
**Features:** with through holes for cable entry.



Flush-mounted boxes for Ticino Magic devices IP44

Frame dimensions (mm)	Flush-mount dimensions (mm)	Installable modules	Palazzoli code	Pack Qty
62x80	50x50	1	<b>559011</b>	1
62x80	50x50	1+1	<b>559012</b>	1

**Equipment included:** stainless steel captive fixing screws.

**Technical accessories:**



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Flush-mounted Schuko domestic socket IP44

Flush-mount dimensions (mm)	Description	Palazzoli code	Pack Qty
50x50	2P+ $\text{⏏}$ 10/16A UNEL, pitch 19mm Schuko type (with side earth)	<b>431252</b>	10

**Equipment included:** stainless steel captive fixing screws.



Flush-mounted box for domoTER domestic sockets with watertight cap for plugged-in plug IP55

Frame dimensions (mm)	Flush-mount dimensions (mm)	Installable modules	Palazzoli code	Pack Qty
62x80	50x50	2	<b>559132</b>	15

**Equipment included:** stainless steel captive fixing screws.



Flush-mounted frame for domoTER domestic sockets with watertight cap for plugged-in plug IP55

Frame dimensions (mm)	Flush-mount dimensions (mm)	Installable modules	Palazzoli code	Pack Qty
62x80	50x50	2	<b>559134</b>	1

**Equipment included:** stainless steel captive fixing screws.

**Technical accessories:**



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# TAIS MIGNON

Small devices in thermosetting GRP



Flush-mounted industrial socket-outlets 50/60Hz IP44

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	●	2P+⊕	4	<b>471254</b>	10
	110	●	3P+⊕	4	<b>471214</b>	1
	110	●	3P+N+⊕	4	<b>471224</b>	1
	230	●	2P+⊕	6	<b>471354</b>	1
	230	●	3P+⊕	9	<b>471364</b>	1
	230	●	3P+N+⊕	9	<b>471334</b>	1
	400	●	2P+⊕	9	<b>471454</b>	1
	400	●	3P+⊕	6	<b>471464</b>	1
	400	●	3P+N+⊕	6	<b>471434</b>	1

**Equipment included:** stainless steel fixing captive screws.

**Features:** the versions 2P+⊕ can be panel mounted with bottom box code 101221. The versions 2P+⊕ and 3P+⊕ can be wall mounted by using the box code 101092. The versions 3P+N+⊕ can be wall mounted by using the box code 101191.

**Technical accessories:**



Flush-mounted industrial socket-outlets for extra-low voltage 50/60Hz IP44

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	24	●	2P	-	<b>471054</b>	1
	24	●	3P	-	<b>471064</b>	1
	42	○	2P	12	<b>471154</b>	1
	42	○	3P	12	<b>471164</b>	1
32	24	●	2P	-	<b>471056</b>	1
	24	●	3P	-	<b>471066</b>	1
	42	○	2P	12	<b>471156</b>	1
	42	○	3P	12	<b>471166</b>	1

**Equipment included:** stainless steel captive fixing screws.

**Features:** it can be panel mounted with bottom box code 101221. It can be wall mounted with box code 101092.

**Technical accessories:**





Bottom box for the installation of flush-mounted TAIS MIGNON sockets

Flush-mount dimensions (mm)	Frame dimensions (mm)	Palazzoli code	Pack Qty
62x80	73x91x5,5	<b>101221</b>	10



Bottom box for wall mounting of TAIS MIGNON flush-mounted socket-outlets

Outer dimensions (mm)	Entry type	Palazzoli code	Pack Qty
62x80x36	M20 	<b>101092</b>	10
77x102x42	M25 	<b>101191</b>	1

**Equipment included:** cable glands.





# RONDÒ

Small devices in aluminium alloy

Body material	Aluminium alloy
Surface treatment	Fluorozirconate passivation
Colour	RAL 5012 Light blue (cover) RAL 7035 Light grey (base)
Protection rating	IP54 - IP55
Impact resistance	IK10
Corrosivity category	Equivalent to C3-H / C4-H
Insulation class	I
Ambient operating temperature	-25°C - +70°C
Ambient storage temperature	-50°C - +80°C
Rated current	16A
Operating voltage	250V - 400V
Operating frequency	50/60Hz



## DIRECTIVES

2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

IEC/EN 60669-1  
IEC/EN 63000

Cable gland features:		M20	M25
Entry cable diameter	mm	5-13	8-19



Wall-mounted switches  
IP55

Poles	Entry type	Rated current/voltage	Palazzoli code	Pack Qty
1P	M20	16A 250V~ 10A 400V~	<b>201151</b>	1
2P	M20	16A 250V~ 10A 400V~	<b>201152</b>	1
2P	M20	16A 250V~ 10A 400V~	<b>201162</b>	1

**Equipment included:** earth screws inside and outside the box.  
A number of cable glands equal to the number of entries.



Wall-mounted two-way switches  
IP55

Poles	Entry type	Rated current/voltage	Palazzoli code	Pack Qty
1P	M20	16A 250V~ 10A 400V~	<b>201156</b>	1
1P	M20	16A 250V~ 10A 400V~	<b>201166</b>	1

**Equipment included:** earth screws inside and outside the box.  
A number of cable glands equal to the number of entries.



Wall-mounted selector switches  
IP55

Poles	Entry type	Rated current/voltage	Palazzoli code	Pack Qty
1P	M20	16A 250V~ 10A 400V~	<b>201155</b>	1

**Equipment included:** earth screws inside and outside the box.  
A number of cable glands equal to the number of entries.

**Features:** by removing the rear bond, the device becomes a double single-pole switch.



# RONDÒ

Small devices in aluminium alloy



Wall-mounted push-buttons  
IP55



Description	Entry type	Rated current/voltage	Palazzoli code	Pack Qty
1P NO	M20	10A 400V~	<b>261021</b>	1

**Equipment included:** earth screws inside and outside the box.  
A number of cable glands equal to the number of entries.



Wall-mounted concentric  
socket-outlets  
IP54



Rated current (A)	Entry type	Rated voltage	Poles	Palazzoli code	Pack Qty
6	M20	25V~50Vcc	2P	<b>401030</b>	1
10	M20	25V~50Vcc	2P	<b>401031</b>	1

**Equipment included:** internal and external earth screws. A number of cable glands equal to the number of entries.



Concentric mobile plugs  
IP20

Rated current (A)	Rated operating voltage	Poles	Palazzoli code	Pack Qty
6	25V~ 50Vcc	2P	<b>407030</b>	1
10	25V~ 50Vcc	2P	<b>407031</b>	1

**Features:** IP54 with sleeve code 590021. Smooth hole passage.



Cable protection sleeve  
in non-ageing elastomer  
for concentric mobile plugs

Manufacturing material	Colour	Palazzoli code	Pack Qty
non-ageing elastomer	black	<b>590021</b>	1

**Uses:** it enables to increase the IP54 protection rating of plugs with code 407030, 407031 and the IP44 protection rating of the plugs with code 437152.



Wall-mounted signalling lamps  
with E14 lamp holder  
IP54



Rated voltage (V)	Entry type	Diffuser colour	Lamp max. power (W)	Palazzoli code	Pack Qty
250	M20	red	12	<b>800121</b>	1
250	M20	green	12	<b>800122</b>	1
250	M20	Transparent	12	<b>800123</b>	1

**Equipment included:** internal and external earth screw. A number of cable glands equal to the number of entries.

**Features:** E14 lamp holder for 3C lamps. Lamp not included



Wall-mounted junction boxes  
IP54



Inner diameter (mm)	Entry type	Palazzoli code	Pack Qty
Ø 62	M20	<b>112020</b>	1
Ø 62	M20 M20	<b>112030</b>	10
Ø 62	M20 M20 M20	<b>112040</b>	1
Ø 82	M25	<b>113020</b>	1
Ø 82	M25 M25	<b>113030</b>	10
Ø 82	M25 M25 M25	<b>113040</b>	1

**Equipment included:** earth screws inside and outside the box.  
A number of cable glands equal to the number of entries.



Terminal blocks with cage terminals  
for junction boxes  
400V

For boxes with dimensions (mm)	No. of poles per section	Palazzoli code	Pack Qty
Ø 62	4x6 mm <sup>2</sup>	<b>112094</b>	30
Ø 82	4x10 mm <sup>2</sup>	<b>113094</b>	20

CONTROL



# ALARM

Sirens and bells in aluminium alloy

Body material	Aluminium alloy (body) Painted galvanised steel (drum)
Surface treatment	Fluorozirconate passivation
Colour	RAL 5012 Light blue (drum) RAL 7035 Light grey (body)
Protection rating	IP66
Impact resistance	IK10
Corrosivity category	Equivalent to C4-M / C3-H
Insulation class	I
Ambient operating temperature	-40°C - +40°C
Ambient storage temperature	-50°C - +80°C
Operating voltage	24-110-230V~
Operating frequency	50/60Hz
Operation	Continuous
Entry cable diameter	5 - 13 mm



Bells with steel drum  
50/60Hz IP66

M20 cable gland  
technopolymer

Rated voltage (V)	Drum diameter (mm)	Sound level at 1 m (dB)	Power (VA)	Palazzoli code	Pack Qty
24	105	101	13 VA initial 11 VA vibrating	<b>900253</b>	1
110	105	101	13 VA initial 11 VA vibrating	<b>900263</b>	1
230	105	101	13 VA initial 11 VA vibrating	<b>900273</b>	1

**Equipment included:** terminal block in thermosetting GRP insulating material and cable gland.

**Features:** drum in galvanised and painted steel. They are suitable for continuous or extended operation. Earth screws inside and outside the box.



Vibrating membrane sirens  
50/60Hz IP66

M20 cable gland  
technopolymer

Rated voltage (V)	Sound level at 1 m (dB)	Power (VA)	Palazzoli code	Pack Qty
24	107/105	60 VA initial 25 VA vibrating	<b>900453</b>	1
110	107/105	60 VA initial 25 VA vibrating	<b>900463</b>	1
230	107/105	60 VA initial 25 VA vibrating	<b>900473</b>	1

**Equipment included:** terminal block in thermosetting GRP insulating material and cable gland.

**Features:** prolonged operation with 1 hour pause every 4 hours.



## DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

IEC/EN 62080  
IEC/EN 63000



Directional horn for sirens

Max. diameter (mm)	Siren+horn projection (mm)	Palazzoli code	Pack Qty
112	238	<b>900448</b>	1

**Equipment included:** complete with stainless steel fixing screws.

# Pre-wired distribution boards



## STANDARD APPLICATIONS



### JANUS

Universal distribution  
ACS boards  
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### ENERGYBOX

ACS assemblies  
for incoming power supply  
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### ENERGY GO

Mobile ACS  
distribution boards  
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### ROTOR

Interlocked extensions  
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## HEAVY-DUTY APPLICATIONS



### ENERGY METALBOX

ACS distribution boards  
in metal cabinet  
Page 226



### ENERGY TAIS

ACS distribution boards  
on stainless steel stand  
Page 228

## ACS COMPOSER

Software for the design and cost estimate of distribution boards.

- ✓ Select the distribution board
- ✓ Compose your distribution board
- ✓ Calculate the cost estimate
- ✓ Download the certificates



# JANUS







# JANUS

Universal distribution ACS boards

## ADVANTAGES



1

The transparent lid allows easy and quick access to the circuit protection devices at any location.

The JANUS board integrates all of the fixings for wall mounted or floor installations, without the need for accessories.



2

PRE-WIRED  
BOARDS



3

Easy to carry, ergonomic handle for on-site use.

The cable clamp groove avoids the possibility that the plug is inadvertently removed from the wall-mounted distribution board.



4





# JANUS

Universal distribution ACS boards

Body material	Technopolymer
Colour	RAL 5015 Sky blue
Protection rating	IP65
Impact resistance	IK08
Resistance to abnormal heat and fire	650°C (enclosure)
Insulation class	II
Ambient operating temperature	-20°C - +40°C
Ambient storage temperature	-30°C - +70°C
Rated current	16A - 32A
Operating voltage	230V - 400V
Insulation voltage	500V
Operating frequency	50/60Hz
RCD protection type	AC
Cable length	2 m



Universal distribution boards foldable with 4 interlocked socket-outlets with power terminal block and fuse protection IP65

Main switch A / kW	Interlocked socket-outlets				2P+≐ P30/P17 10/16A	Palazzoli code	Pack Qty
	16A 2P+≐	16A 3P+≐	16A 3P+N+≐	32A 3P+N+≐			
32/6	4					<b>644101</b>	1
32/18	3	1				<b>644102</b>	1
32/18	3		1			<b>644103</b>	1
32/18	2	2				<b>644104</b>	1
32/18	2	1	1			<b>644105</b>	1
32/18	2	1		1		<b>644106*</b>	1
32/6	3				1	<b>644110</b>	1

**Features:** padlockable modular door.

\* 32A socket-outlet with direct power supply protected with general MCB.

**Notes:** if used as a main construction site distribution board, connect the earthing terminal to the earthing node.



Universal distribution boards foldable with 4 interlocked socket-outlets with power plug and fuse protection IP65

Main switch A / kW	Interlocked socket-outlets				2P+≐ P30/P17 10/16A	Palazzoli code	Pack Qty
	16A 2P+≐	16A 3P+≐	16A 3P+N+≐	32A 3P+N+≐			
32/6	4					<b>644001</b>	1
32/18	3	1				<b>644002</b>	1
32/18	3		1			<b>644003</b>	1
32/18	2	2				<b>644004</b>	1
32/18	2	1	1			<b>644005</b>	1
32/18	2	1		1		<b>644006*</b>	1
32/6	3				1	<b>644010</b>	1

**Equipment included:** power plug 3P+N+≐ (18 kW distribution boards),

2P+≐ (6 kW distribution board).

**Features:** padlockable modular door.

\* 32A socket-outlet with direct power supply protected with general MCB.

**Notes:** the version with plug cannot be used as the main distribution board for construction sites.



## DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

IEC/EN 61439-1  
IEC/EN 61439-4  
IEC/EN 63000



# JANUS

## Universal distribution ACS boards



Universal distribution boards foldable with 4 interlocked socket-outlets with power terminal block and MCB protection IP65

Main switch A / kW	Interlocked socket-outlets					Palazzoli code	Pack Qty
	16A 2P+≐	16A 3P+≐	16A 3P+N+≐	32A 3P+N+≐	2P+≐ P30/P17 10/16A		
32/6	4					<b>634101</b>	1
32/18	3	1				<b>634102</b>	1
32/18	2	2				<b>634104</b>	1
32/18	2	1	1			<b>634105</b>	1
32/18	2	1		1		<b>634106</b>	1
32/6	3				1	<b>634110</b>	1

**Features:** padlockable modular door.

**Notes:** if used as a main construction site distribution board, connect the earthing terminal to the earthing node.



Universal distribution boards foldable with 8 socket-outlets with power plug and MCB protection IP65

Main switch A / kW	Industrial socket-outlets					Palazzoli code	Pack Qty
	16A 2P+≐	16A 3P+≐	16A 3P+N+≐	32A 3P+N+≐	2P+≐ P30/P17 10/16A		
32/6	4				4	<b>638040*</b>	1
32/6	8					<b>638041</b>	1
32/18	4	4				<b>638042</b>	1

**Equipment included:** power plug 3P+N+≐ (18 kW distribution board), 2P+≐ (6 kW distribution board).

**Features:** padlockable modular door.

\*IP55 protection rating.

**Notes:** the version with plug cannot be used as the main distribution board for construction sites.

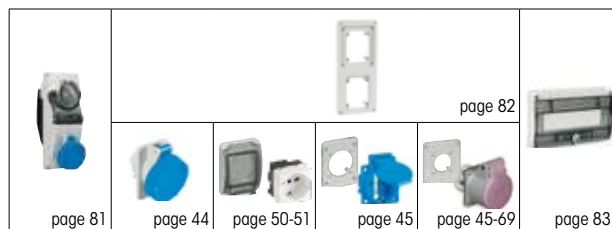


Empty distribution board to compose wired distribution boards with up to 4 interlocked socket-outlets or 8 fixed socket-outlets

Outer dimensions (mm)	Side A	Side B	Palazzoli code	Pack Qty
329x572x325	12 modules	blind	<b>634100</b>	1

**Features:** padlockable modular door. Mushroom push-button not included.

**Technical accessories:**



Universal distribution boards foldable with 4 interlocked socket-outlets with power plug and MCB protection IP65

Main switch A / kW	Interlocked socket-outlets					Palazzoli code	Pack Qty
	16A 2P+≐	16A 3P+≐	16A 3P+N+≐	32A 3P+N+≐	2P+≐ P30/P17 10/16A		
32/6	4					<b>634001</b>	1
32/18	3	1				<b>634002</b>	1
32/18	2	2				<b>634004</b>	1
32/18	2	1	1			<b>634005</b>	1
32/18	2	1		1		<b>634006</b>	1
32/6	3				1	<b>634010</b>	1

**Equipment included:** power plug 3P+N+≐ (18 kW distribution boards), 2P+≐ (6 kW distribution board).

**Features:** padlockable modular door.

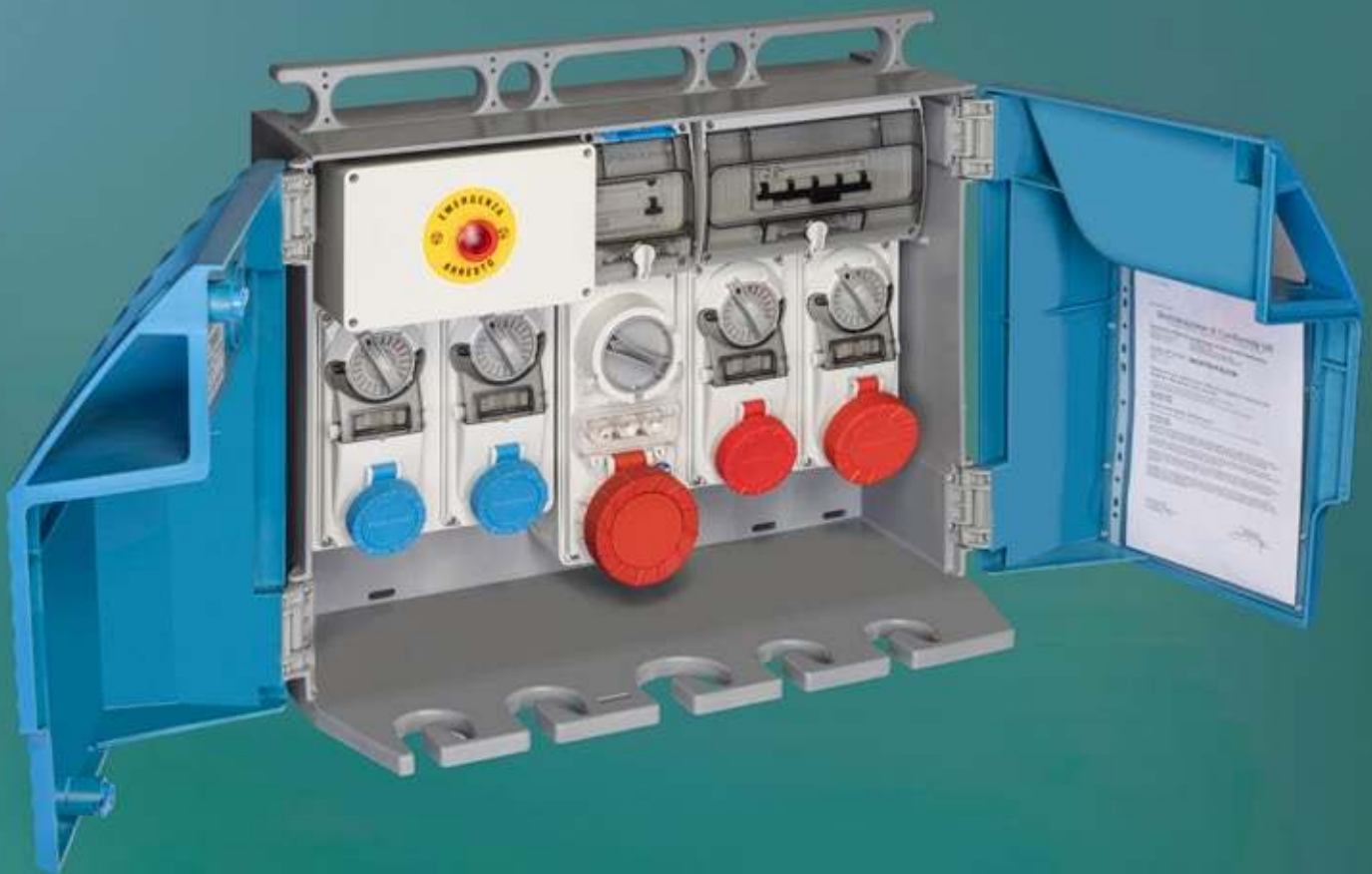
**Notes:** the version with plug cannot be used as the main distribution board for construction sites.



Stainless steel support for JANUS distribution boards

Manufacturing material	Palazzoli code	Pack Qty
galvanised and painted steel	<b>601540</b>	1

# ENERGYBOX





## ENERGYBOX

ACS assemblies for incoming power supply

### ADVANTAGES



1

The multi-purpose handle can be equipped with floodlights and can be used as a cable winder.

The integrated insert withstands the stresses of possible improper use.

2



PRE-WIRED  
BOARDS

The cable clamp groove avoids the possibility that the plug is inadvertently removed from the wall-mounted distribution board.

3



The convenient ergonomic handle allows one person to carry the distribution board safely and comfortably. It features five attachment points, to enable selecting the most suitable one, and can also be used with cranes.

4





## ENERGYBOX

ACS assemblies for incoming power supply



Body material	Technopolymer
Colour	RAL 5015
Protection rating	IP65
Impact resistance	IK10
Resistance to abnormal heat and fire	650°C (enclosure)
Insulation class	II
Ambient operating temperature	-25°C - +50°C
Ambient storage temperature	-30°C - +70°C
Rated current	32A - 63A - 80A
Operating voltage	230V - 400V
Insulation voltage	500V
Operating frequency	50/60Hz
RCD protection type	AC
Cable length	2 m



### DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

### PRODUCT STANDARDS

IEC/EN 61439-1  
IEC/EN 61439-4  
IEC/EN 63000



# ENERGYBOX

ACS assemblies for incoming power supply

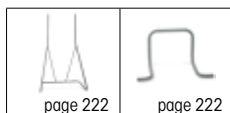


Assemblies for construction sites (ACS) with fixed socket-outlets protected by MCB entry with terminal block 50/60Hz IP65

Main switch A/kW	Industrial socket-outlets		Palazzoli code	Pack Qty
	16A 2P+≐ 230V	16A 3P+≐ 400V		
63/20	12		<b>610012</b>	1
63/40	6	6	<b>610606</b>	1

**Equipment included:** emergency stop device, 4 brackets for Ø 30 mm conduit installation and 4 plates for wall installation.  
**Features:** padlockable modular door.

**Technical accessories:**



PRE-WIRED BOARDS



Assemblies for construction sites (ACS) with interlocked socket-outlets protected by MCB entry with terminal block 50/60Hz IP65

Main switch A/kW	Interlocked socket-outlets						2P+≐ P30/P17 10/16A	Palazzoli code	Pack Qty
	16A 2P+≐ 230V	16A 3P+≐ 400V	16A 3P+N+≐ 400V	32A 3P+≐ 400V	32A 3P+N+≐ 400V	63A 3P+≐ 400V			
32/7	4						<b>614101</b>	1	
32/16	3	1					<b>614102</b>	1	
32/20	3			1			<b>614103</b>	1	
32/20	2	2					<b>614104</b>	1	
32/20	2	1	1				<b>614105</b>	1	
32/20	2	1		1			<b>614106</b>	1	
32/20	1	2		1			<b>614107</b>	1	
63/30	3	1		1			<b>615101</b>	1	
63/30	3	1			1		<b>615102</b>	1	
63/30	2	3					<b>615103</b>	1	
63/30	2	2		1			<b>615104</b>	1	
63/30	2	2			1		<b>615105</b>	1	
63/30	2	1		1		1	<b>615106</b>	1	
63/30	2	1	1		1		<b>615107</b>	1	
63/30	4	2					<b>616101</b>	1	
63/30	3	3					<b>616102</b>	1	
63/30	3	2		1			<b>616103</b>	1	
63/30	3	2			1		<b>616104</b>	1	
63/40	2	3		1			<b>616105</b>	1	
63/40	2	2		2			<b>616106</b>	1	
63/40	2		2		2		<b>616107</b>	1	
63/40	2	2		1	1		<b>616108</b>	1	
63/30	2	3				1	<b>616109*</b>	1	
63/30	2	2			1	1	<b>616110*</b>	1	

**Equipment included:** emergency stop device, 4 brackets for Ø 30 mm conduit installation and 4 plates for wall installation.  
**Features:** padlockable modular door.  
 \*IP55 protection rating.

**Technical accessories:**







# ENERGYBOX

ACS assemblies for incoming power supply



Assemblies for construction sites (ACS) with interlocked socket-outlets protected by MCB entry with plug 50/60Hz IP65

Main switch A/kW	Interlocked socket-outlets						Palazzoli code	Pack Qty
	16A 2P+≐ 230V	16A 3P+≐ 400V	16A 3P+N+≐ 400V	32A 3P+≐ 400V	32A 3P+N+≐ 400V	63A 3P+≐ 400V		
32/7	4						614001	1
32/16	3	1					614002	1
32/20	2	2					614003	1
32/20	2	1	1				614004	1
32/20	2	1		1			614005	1
63/30	3	1		1			615001	1
63/30	3	1			1		615002	1
63/30	2	2		1			615003	1
63/30	2	1		1		1	615004	1
63/30	2	1	1		1		615005	1
63/30	4	2					616001	1
63/30	3	3					616002	1
63/30	3	2		1			616003	1
63/30	3	2			1		616004	1
63/30	3		2		1		616005	1
63/40	2	3		1			616006	1
63/40	2	2		2			616007	1
63/40	2		2		2		616008	1
63/40	2	2		1	1		616009	1

**Equipment included:** emergency stop device. 4 brackets for fixing to a 30 mm Ø conduit and 4 plates for wall-mounting. Power plug 3P+N+≐.

**Features:** padlockable modular door.

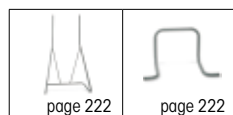


Assemblies for construction sites (ACS) with interlocked socket-outlets protected by fuses entry with terminal block 50/60Hz IP65

Main switch A/kW	Interlocked socket-outlets								Palazzoli code	Pack Qty
	16A 2P+≐ 230V	16A 3P+≐ 400V	16A 3P+N+≐ 400V	32A 2P+≐ 230V	32A 3P+≐ 400V	32A 3P+N+≐ 400V	63A 3P+≐ 400V	63A 3P+N+≐ 400V		
32/7	4								604101	1
32/16	3	1							604102	1
32/20	3			1					604103	1
32/20	3				1				604104	1
32/20	2	2							604105	1
32/20	2	1	1						604106	1
32/20	2	1			1				604107	1
32/20	1	2			1				604108	1
63/30	3	1			1				605101	1
63/30	3	1				1			605102	1
63/30	2	3							605103	1
63/30	2	2			1				605104	1
63/30	2	2				1			605105	1
63/30	2	1	1			1			605106	1
80/45	2	1			1		1		605107	1
80/45	2		1			1		1	605108	1
63/30	4	2							606101	1
63/30	3	3							606102	1
63/30	3	2			1				606103	1
63/30	3	2				1			606104	1
63/40	2	3			1				606105	1
63/40	2	2			2				606106	1
63/40	2		2			2			606107	1
63/40	2	2			1	1			606108	1

**Equipment included:** emergency stop device. 4 brackets for Ø 30 mm conduit installation and 4 plates for wall installation. **Features:** padlockable modular door.

**Common technical accessories:**





# ENERGYBOX

ACS assemblies for incoming power supply



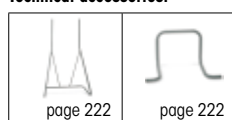
Empty distribution board to compose wired distribution boards with up to 6 socket-outlets

Description	Dimensions (mm)	Palazzoli code	Pack Qty
Empty box	680X605X340	<b>501530</b>	1

**Equipment included:** 4 brackets for fastening to a Ø 30 mm conduit and 4 plates for wall mounting.  
**Features:** the enclosure is designed to accommodate:

- M40 cable gland code 501590;
- enclosure with M40 cable gland and external emergency push-button code 501591;
- industrial plug.

**Technical accessories:**



page 222

page 222



Entry kit for ENERGYBOX distribution boards with 90° industrial plug IP65

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63	400	●	3P+N+⊕	6	<b>501595</b>	1



Entry kit for ENERGYBOX distribution boards with external emergency push-button cable gland and locknut IP65

Threading	Fastening diameter (mm)	Palazzoli code	Pack Qty
M40x1.5	18 - 32	<b>501591</b>	1



Entry kit for ENERGYBOX distribution boards with cable gland elastomeric gasket and locknut

Threading	Fastening diameter (mm)	Palazzoli code	Pack Qty
M40x1.5	18 - 32	<b>501590</b>	1



Cover with emergency push-button for ACS distribution boards IP55

For distribution boards EnergyBox type	Palazzoli code	Pack Qty
with 6 interlocked socket-outlets	<b>501560</b>	1

**Features:** complete with warning lamp and 1 NO contact.



Box with emergency push-button for ACS assemblies IP55

For distribution boards EnergyBox type	Palazzoli code	Pack Qty
with 4 interlocked socket-outlets	<b>501565</b>	1

**Features:** complete with warning lamp and 1 NO contact.

## GUIDE TO THE PREPARATION OF ACS DISTRIBUTION BOARDS



501530

Board for installation of 2 PRIMA socket-outlets from page 92

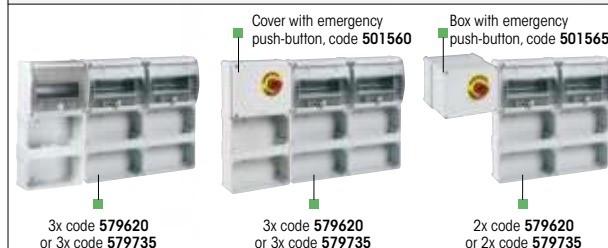
Board for installation of 2 TopTER socket-outlets from page 80



ACS assemblies with 6 socket-outlets, 27 DIN modules (9+9+9)

ACS assemblies with 6 socket-outlets, 18 DIN modules (9+9)

ACS assemblies with 4 socket-outlets, 18 DIN modules (9+9)



3x code 579620 or 3x code 579735

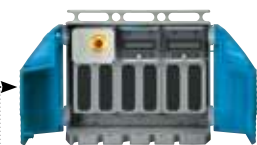
Cover with emergency push-button, code 501560  
3x code 579620 or 3x code 579735

Box with emergency push-button, code 501565  
2x code 579620 or 2x code 579735



# ENERGYBOX

ACS assemblies for incoming power supply



Kit for ACS assemblies with 6 socket-outlets internal emergency 6 topTERs, 1 6A and/or 32A

Outer dimensions (mm)	No. of DIN modules	Palazzoli code	Pack Qty
680x605x340	9+9	<b>601532</b>	1

**Equipment included:** M40 cable gland for Ø 18-32mm cables.  
**Features:** padlockable modular door.

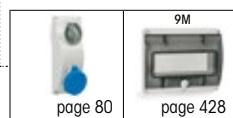


Kit for ACS assemblies with 6 socket-outlets external emergency 6 topTERs 1 6A and/or 32A

Outer dimensions (mm)	No. of DIN modules	Palazzoli code	Pack Qty
680x605x340	9+9+9	<b>601632</b>	1

**Equipment included:** M40 cable gland for Ø 18-32mm cables.  
**Features:** padlockable modular door.

**Technical accessories:**



Kit for ACS assemblies with 5 socket-outlets internal emergency 4 topTERs, 1 6A and/or 32A 1 topTER, 63A

Outer dimensions (mm)	No. of DIN modules	Palazzoli code	Pack Qty
680x605x340	5+12	<b>601563</b>	1

**Equipment included:** M40 cable gland for Ø 18-32mm cables.  
**Features:** padlockable modular door.



Kit for ACS assemblies with 5 socket-outlets external emergency 4 topTERs, 1 6A and/or 32A 1 topTER, 63A

Outer dimensions (mm)	No. of DIN modules	Palazzoli code	Pack Qty
680x605x340	12+5+12	<b>601663</b>	1

**Equipment included:** M40 cable gland for Ø 18-32mm cables.  
**Features:** padlockable modular door.

**Technical accessories:**



Cable reel for extension leads complete with screws for ENERGYBOX distribution boards

Manufacturing material	Palazzoli code	Pack Qty
galvanised and painted steel	<b>501550</b>	1

**Equipment included:** 2 brackets and screws for fixing to a Ø 30 mm pipe.



Tubular floor support for ENERGYBOX ACS distribution boards

Manufacturing material	Palazzoli code	Pack Qty
galvanised and painted steel	<b>501540</b>	1

**Equipment included:** 4 brackets for fixing to a Ø 30 mm pipe.



# ENERGYBOX

electrifies the Sagrada Familia in Barcelona





# ENERGY GO

## Mobile ASC distribution boards

Body material	Technopolymer
Colour	RAL 7035 Light grey
Protection rating	IP66 according to IEC 60598-1
Impact resistance	IK08 according to IEC/EN 62262
Resistance to abnormal heat and fire	850°C (socket insert) 650°C (socket body - board)
Flammability class	V-2 (insert)
Insulation class	II
Ambient operating temperature	-25°C - +50°C
Ambient storage temperature	-30°C - +70°C
Rated current	16A - 32A
Operating voltage	230V - 400V
Insulation voltage	500V
Operating frequency	50/60Hz
RCD protection type	AC
Cable length	3 m



### DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

### PRODUCT STANDARDS

IEC/EN 61439-1  
IEC/EN 61439-4  
IEC/EN 63000



Portable distribution boards with 3 fixed socket-outlets  
MCB and RCD protection  
50/60Hz IP66

Socket-outlets			Plug type	MCB - RCD protection	Palazzoli code	Pack Qty
16A 2P+≋ 230V	16A 3P+≋ 400V	Bivalent domestic Schuko				
3			2P+≋ - 16A	16A 30mA	<b>670030</b>	1
2	1		3P+N+≋ - 16A	16A 30mA	<b>670031</b>	1
1	2		3P+N+≋ - 16A	16A 30mA	<b>670032</b>	1
2		1	2P+≋ - 16A	16A 30mA	<b>670033</b>	1

**Equipment included:** 3 m of H 07 RN-F cable for connection to the plug.  
**Features:** padlockable modular door.



Portable distribution boards with 4 fixed socket-outlets  
MCB and RCD protection  
50/60Hz IP66

Socket-outlets			Plug type	MCB - RCD protection	Palazzoli code	Pack Qty
16A 2P+≋ 230V	16A 3P+≋ 400V	Bivalent domestic Schuko				
4			2P+≋ - 16A	16A 30mA	<b>670040</b>	1
3	1		3P+N+≋ - 16A	16A 30mA	<b>670041</b>	1
2	2		3P+N+≋ - 16A	16A 30mA	<b>670042</b>	1
	4		3P+≋ - 16A	16A 30mA	<b>670043</b>	1
2		2	2P+≋ - 16A	16A 30mA	<b>670044</b>	1

**Equipment included:** 3 m of H 07 RN-F cable for connection to the plug.  
Insulated handle for transport.  
**Features:** padlockable modular door.



Portable distribution boards with 6 fixed socket-outlets  
MCB and RCD protection  
50/60Hz IP66

Socket-outlets			Plug type	MCB - RCD protection	Palazzoli code	Pack Qty
16A 2P+≋ 230V	16A 3P+≋ 400V	32A 3P+≋ 400V				
4	2		3P+N+≋ - 32A	32A 30mA	<b>670060</b>	1
3	3		3P+N+≋ - 32A	32A 30mA	<b>670061</b>	1
3	2	1	3P+N+≋ - 32A	32A 30mA	<b>670062</b>	1
6			3P+N+≋ - 32A	32A 30mA	<b>670063</b>	1

**Equipment included:** 3 m of H 07 RN-F cable for connection to the plug.  
Insulated handle for transport.  
**Features:** padlockable modular door.

### NOTES



The boards can be customised by Palazzoli with side emergency push-button.



## ENERGY GO

Mobile ASC distribution boards



Portable transformation boards  
50/60Hz IP66

With transformer 2P 24V 150VA	Industrial 2P+ $\pm$ 230V	MCB - RCD	Palazzoli code	Pack Qty
2	2	2P 16A	<b>670130</b>	1
2		2P 16A	<b>670140</b>	1

**Equipment included:** self-protected safety transformer, 3 m H 07 RN-F cable for connection to the plug, handle made of insulating material for transport.

**Uses:** indispensable in confined conductive areas such as pits, wells, chimneys, tanks and metallic or humid narrow passages and confined excavations in the ground.

**Features:** padlockable modular door.



Pair of stainless steel plates  
for wall mounting of topTER  
and PRIMA distribution boards

For distribution boards	Palazzoli code	Pack Qty
all topTER and PRIMA distribution boards	<b>579012</b>	10



Universal support  
for topTER, PRIMA  
and Energy Go  
distribution boards

Manufacturing material	Palazzoli code	Pack Qty
width 239 mm and above	<b>570010</b>	1

**Equipment included:** 4 stainless steel screws for fastening the item to the distribution board.

## ROTOR

Interlocked extensions



Interlocked extension  
with rotoswitch  
and 20 m cable  
IP66/IP67/IP69

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	Yellow	2P+ $\pm$	4	<b>670013</b>	1
	230	Blue	2P+ $\pm$	6	<b>670010</b>	1
	400	Red	3P+ $\pm$	6	<b>670011</b>	1
		Red	3P+N+ $\pm$	6	<b>670012</b>	1

**Equipment included:** 20 m of H 07 RN-F 2.5 mm<sup>2</sup> cable for connection to the plug.

### THE ONLY PORTABLE INTERLOCKED EXTENSION







# ENERGY METALBOX

ACS distribution boards in metal cabinet

Body material	15/10 mm steel sheet (enclosure) 25/10 mm steel sheet (back plate)
Colour	RAL 5015 Sky blue
Protection rating	IP65
Impact resistance	IK10
Insulation class	I
Ambient operating temperature	-25°C - +50°C
Ambient storage temperature	-30°C - +70°C
Rated current	63A - 80A - 100A - 125A - 200A
Operating voltage	400V
Insulation voltage	500V
Operating frequency	50/60Hz
RCD protection type	AC



Cabinet  
in painted galvanised steel

Outer dimensions (mm)	Usable inner dimensions (mm)	Palazzoli code	Pack Qty
1160x740x430	1065x685	<b>500884</b>	1
1530x740x430	1430x685	<b>500885</b>	1

**Equipment included:** emergency push-button external to the distribution board.  
**Notes:** power supply from below.

#### Technical accessories:

			
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Pair of supports  
for ACS assembly cabinets

Dimensions (mm)	Palazzoli code	Pack Qty
590x690	<b>500886</b>	1



#### DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

#### PRODUCT STANDARDS

IEC/EN 61439-1  
IEC/EN 61439-4  
IEC/EN 63000



# ENERGY METALBOX

ACS distribution boards in metal cabinet



Assemblies for Construction Sites (ACS) in metal cabinet with direct outlets protected by MCBs entry with terminal block 50/60Hz IP65

Main switch A/kW	230V 2P		MCBs			Palazzoli code	Pack Qty
	16A	25A	16A	32A	63A		
63/40	2		2	1		<b>675101</b>	1
80/50	2		1	2		<b>675102</b>	1
125/78			2	2	2	<b>676101</b>	1
125/78				4	2	<b>676102</b>	1
100/62	2		1	4		<b>677101</b>	1
125/78		2		3	2	<b>677102</b>	1
100/62	3		1	4		<b>678101</b>	1
125/78		3		3	2	<b>678102</b>	1

**Equipment included:** emergency push-button external to the distribution board.  
**Features:** padlockable modular door.  
**Notes:** power supply from below.



Assemblies for Construction Sites (ACS) in metal cabinet with interlocked socket-outlet protected by MCB entry with terminal block 50/60Hz IP65

Main switch A/kW	Interlocked socket-outlets						Palazzoli code	Pack Qty
	16A 2P+≐ 230V	16A 3P+≐ 400V	32A 3P+≐ 400V	32A 3P+N+≐ 400V	63A 3P+≐ 400V	63A 3P+N+≐ 400V		
63/30	3	1	1				<b>675001</b>	1
100/60	1	2	1	1			<b>675002</b>	1
100/50	3	2	1				<b>676001</b>	1
100/50	3	2		1			<b>676002</b>	1
100/50	2	3		1			<b>676003</b>	1
100/60	2	2	2				<b>676004</b>	1
100/60	3	2	2				<b>677001</b>	1
100/60	2	2	3				<b>677002</b>	1
200/100	2	2	2			1	<b>677003</b>	1
100/60	2	2		3			<b>677004</b>	1
200/100	3	2	2			1	<b>678001</b>	1
200/100	2	2		2	1	1	<b>678002</b>	1

**Equipment included:** emergency push-button external to the distribution board.  
**Features:** padlockable modular door.  
**Notes:** power supply from below.



Assemblies for Construction Sites (ACS) in metal cabinet with interlocked socket-outlets protected by fuses entry with terminal block 50/60Hz IP65

Main switch A/kW	Interlocked socket-outlets						Palazzoli code	Pack Qty
	16A 2P+≐ 230V	16A 3P+≐ 400V	32A 3P+≐ 400V	32A 3P+N+≐ 400V	63A 3P+≐ 400V	63A 3P+N+≐ 400V		
63/100	3	1	1				<b>685001</b>	1
100/60	1	2	1	1			<b>685002</b>	1
100/50	3	2	1				<b>686001</b>	1
100/50	3	2		1			<b>686002</b>	1
100/50	2	3		1			<b>686003</b>	1
100/60	2	2	2				<b>686004</b>	1
100/60	3	2	2				<b>687001</b>	1
100/60	2	2	3				<b>687002</b>	1
200/100	2	2	2			1	<b>687003</b>	1
100/60	2	2		3			<b>687004</b>	1
200/100	3	2	2			1	<b>688001</b>	1
200/100	2	2		2	1	1	<b>688002</b>	1

**Equipment included:** emergency push-button external to the distribution board.  
**Features:** padlockable modular door.  
**Notes:** power supply from below.

PRE-WIRED  
BOARDS



## ENERGY TAIS

ACS distribution boards on stainless steel stand

Body material	<b>Palazzoli Thermosetting GRP (distribution boards on plates) AISI 304 stainless steel (plate and canopy)</b>
Protection rating	<b>IP65</b>
Impact resistance	<b>IK10</b>
Insulation class	<b>II</b>
Ambient operating temperature	<b>-25°C - +50°C</b>
Ambient storage temperature	<b>-50°C - +80°C</b>
Rated current	<b>63A - 100A - 200A</b>
Operating voltage	<b>400V</b>
Insulation voltage	<b>500V</b>
Operating frequency	<b>50/60Hz</b>
RCD protection type	<b>AC</b>



Frames on stand with stainless steel plate and canopy  
AISI 304

Outer dimensions (mm)	Internal usable dimensions (mm)	Weight (kg)	Palazzoli code	Pack Qty
803x1335x565	700x600	38	<b>501500</b>	1
1118x1335x565	1000x600	58	<b>501501</b>	1
1313x1335x565	1200x600	51	<b>501502</b>	1
1853x1685x748	1750x840	93	<b>501503</b>	1

### Technical accessories:

			
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### DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

### PRODUCT STANDARDS

IEC/EN 61439-1  
IEC/EN 61439-4  
IEC/EN 63000



# ENERGY TAIS

ACS distribution boards on stainless steel stand



Assemblies for construction sites (ACS) on stand with stainless steel plate with direct outlets protected by MCB 50/60Hz IP65

Main switch A/kW	MCBs 400V 4P				Frame type	Palazzoli code	Pack Qty
	16A	25A	32A	63A			
100/60		1	4		MT1	<b>500890</b>	1
200/120		1	3	1	MT1	<b>500891</b>	1
200/120		1	4	1	MT2	<b>500892</b>	1
200/150		1	2	3	MT2	<b>500893</b>	1
200/120	1	2	3	1	MT2	<b>500894</b>	1
200/150		2	3	2	MT2	<b>500895</b>	1
200/120	1	3	3	1	MT3	<b>500896</b>	1
200/150		3	3	2	MT3	<b>500897</b>	1

Features: emergency mushroom button and warning light. Voltage indicator lamp.



Assemblies for construction sites (ACS) on stand with stainless steel plate with interlocked socket-outlets protected by MCB 50/60Hz IP65

Main switch A/kW	Interlocked socket-outlets							Transf. 16A 2P 24V	Frame type	Palazzoli code	Pack Qty
	16A 2P+≐ 230V	16A 3P+≐ 400V	16A 3P+N+≐ 400V	32A 3P+≐ 400V	32A 3P+N+≐ 400V	63A 3P+≐ 400V	63A 3P+N+≐ 400V				
63/35	3	1			1				MT1	<b>500770</b>	1
63/35	2	2		1					MT1	<b>500767</b>	1
63/35	2	2			1				MT1	<b>500766</b>	1
63/35	2		2		1				MT1	<b>500768</b>	1
63/35	3	1		1					MT1	<b>500753</b>	1
63/35	4	2							MT1	<b>500762</b>	1
100/50	2	2		2					MT2	<b>500817</b>	1
100/50	2	2			2				MT2	<b>500816</b>	1
63/35	2	2			1		1	MT1	<b>500750</b>	1	
100/50	2			4			1	MT2	<b>500792</b>	1	
100/50	2	2		3				MT2	<b>500802</b>	1	
100/50	2	2		2			1	MT2	<b>500800</b>	1	
100/50	2	2			3			MT2	<b>500801</b>	1	
100/50	2			2	2		1	MT2	<b>500790</b>	1	
100/50	2	2			2		1	MT3	<b>500843</b>	1	
200/100	2	2		2			1	MT3	<b>500841</b>	1	
200/100	2	2		2	2		1	MT3	<b>500840</b>	1	
200/100	3	3		2		1		MT3	<b>500835</b>	1	
200/100	3	3			2		1	MT3	<b>500833</b>	1	
200/100	2	2		2			1	MT3	<b>500831</b>	1	
200/100	2	2			2		1	MT3	<b>500830</b>	1	

Features: emergency mushroom button and warning light. Voltage indicator lamp.



Assemblies for construction sites (ACS) on stand with stainless steel plate with interlocked socket-outlets protected by fuses 50/60Hz IP65

Main switch A/kW	Interlocked socket-outlets							Transf. 16A 2P 24V	Frame type	Palazzoli code	Pack Qty
	16A 2P+≐ 230V	16A 3P+≐ 400V	16A 3P+N+≐ 400V	32A 3P+≐ 400V	32A 3P+N+≐ 400V	63A 3P+≐ 400V	63A 3P+N+≐ 400V				
63/35	3	2							FS1	<b>500874</b>	1
63/35	3	1		1					FS1	<b>500863</b>	1
63/35	2	3							FS1	<b>500872</b>	1
63/35	2	2		1					FS1	<b>500860</b>	1
63/35	2	2			1				FS1	<b>500861</b>	1
100/50	2					2	2	MT2	<b>500918</b>	1	
100/50	3	3			2			MT2	<b>500916</b>	1	
100/50	3	2		2			1	MT2	<b>500903</b>	1	
100/50	3	2			2		1	MT2	<b>500904</b>	1	
100/50	2	2		2			2	MT2	<b>500900</b>	1	
200/100	3	3			2		1	MT3	<b>500949</b>	1	
200/100	4	2		2		1	1	MT3	<b>500941</b>	1	
200/100	4	2			2		1	MT3	<b>500943</b>	1	
200/100	4	2		2		1	2	MT3	<b>500930</b>	1	
200/100	4	4		2		1		MT3	<b>500933</b>	1	
200/100	4	4			2		1	MT3	<b>500934</b>	1	
200/100	4	4		2			1	MT3	<b>500935</b>	1	
200/100	4	2	2		2		1	MT3	<b>500936</b>	1	

Features: emergency mushroom button and warning light. Voltage indicator lamp.







# Atex

The Company has extensive experience in extreme environments where flammable materials, oxidising chemicals, salt solutions, acids and motor and vegetable oils are handled. Palazzoli is the absolute market leader in Atex products, explosion-proof equipment for high-risk environments. Power plants, chemical industries, oil platforms, military bases and refineries are just a few areas where lighting devices must prevent any propagation of sparks and ensure safe and reliable operation over time.





The Company has consolidated experience in extreme environments, where the presence of oxidising chemicals, saline solutions, acids and motor and vegetable oils has forged the products for which Palazzoli is the absolute market leader.

The IE regulatory system, in particular with the IEC 60079-10 series of standards, which establishes the basic rules for electrical installations in places where there is a danger of explosion due to the presence of both gas and combustible dust, with regard to the classification of hazardous areas, refers to a particular calculation model, called the I IEC zone system.

This model is based on the determination of the probability of the formation of an explosive atmosphere and its persistence over time in the environments, which thus become fundamental parameters for the classification of hazardous areas.



### Danger

### Gases - vapours

### Dusts

Permanent

**ZONE 0**

**ZONE 20**

Occasional

**ZONE 1**

**ZONE 21**

Not likely

**ZONE 2**

**ZONE 22**



# TAISBOX-EX

electrifies the Rotterdam regasification plant





# ATEX

## ENCLOSURES, JUNCTION BOXES AND CABLE GLANDS



### TAISBOX-EX

Zones 1, 2, 21 and 22  
junction boxes  
in antistatic thermosetting GRP  
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### TAISBOX-EXU

Zones 1, 2, 21 and 22  
boxes  
in antistatic thermosetting GRP  
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### ALUCASE-EXU

Zones 1, 2, 21 and 22  
boxes  
in aluminium alloy  
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### UNIBOX-EXU

Zones 2, 22  
boxes  
in aluminium alloy  
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### UNI-EX

Zones 1, 2, 21 and 22  
cable glands  
and adaptors  
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## MOBILE PLUGS, INTERLOCKED SOCKET-OUTLETS AND CONTROL DEVICES



### XCEE-EX

Zones 2, 21 and 22  
mobile plugs  
in antistatic technopolymer  
Page 239



### TAIS-EX

Zones 2, 21 and 22  
interlocked socket-outlets  
in antistatic thermosetting GRP  
Page 245



### CAMTAIS-EX

Zones 2, 21 and 22  
rotary devices  
in antistatic thermosetting GRP  
Page 259



### CAMALUPRES-EX

Zones 2, 21 and 22  
rotary devices  
in aluminium alloy  
Page 260



### TAISMIGNON-EX

Zones 2, 22  
small devices  
in antistatic thermosetting GRP  
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## EASY COMPOSER

Software for the design and cost estimate of distribution boards.

- ✓ Select the distribution board
- ✓ Compose your distribution board
- ✓ Calculate the cost estimate
- ✓ Download the certificates



### ALARM-EX

Zones 2, 21 and 22  
sirens and bells  
in aluminium alloy  
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# XCEE-EX

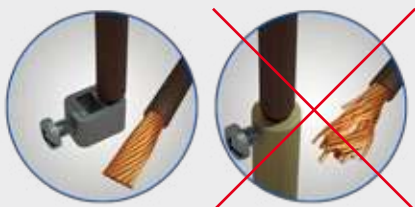




## XCEE-EX Zone 2, 21, 22

Mobile plugs in antistatic technopolymer

### ADVANTAGES



1

Indirect clamping terminals prevent overheating and cable breaks even after 50,000 insertions.

The plug is equipped with an extra external cable clamp with a double lock to ensure maximum resistance against tearing.

2



3

The XCEE-EX casing, made of carbon-fibre-reinforced technopolymer, prevents the build-up of electrostatic charges, thus preventing the ignition of explosive gas, vapour or dust atmospheres.

Plugs come with a range of covers to ensure plug protection even in the most polluted environments.

4







## XCEE-EX Zone 2, 21, 22

Mobile plugs in antistatic technopolymer



Atex execution - Gas	II 3G - Ex ec IIC T6...T4 Gc
Atex execution - Dust	II 2D - Ex tb IIIC T70°C...T95°C Db
Body material	High-thickness antistatic technopolymer
Pin treatment	Nickel plating
Colour	RAL 9005 Jet black
Protection rating	IP66
Additional IP rating	IP66/IP67
Surface resistance	<11 Ω (prevention of electrostatic charge accumulation)
Resistance to abnormal heat and fire	650°C (grip) 960°C (insert)
Ambient operating temperature	See table
Ambient storage temperature	-50°C - +90°C
Rated current	16A - 32A - 63A
Operating voltage	50V - 690V (16A - 32A) 50V - 1000V (63A)
Insulation voltage	690V (16A - 32A) 1000V (63A)
Operating frequency	50-500Hz and DC
Terminal type	Indirect clamping

### Ambient operating temperature

Rated current (A)	Ambient operating temperature (°C)	Temperature class (Gas)	Maximum surface temperature (°C) (Dust)
16	-40 ... +50	T6	T70
	-40 ... +65	T5	T85
32	-40 ... +40	T5	T70
	-40 ... +60	T4	T90
63	-40 ... +40	T5	T80
	-40 ... +55	T4	T95



### DIRECTIVES

2014/34/EU (ATEX)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

### PRODUCT STANDARDS

IEC/EN 60079  
IEC/EN 60079-7  
IEC/EN 60079-31  
IEC/EN 60309-1  
IEC/EN 60309-2  
IEC/EN 63000

Technical data sheets updated to new standards on [palazzoli.com](http://palazzoli.com) website



## XCEE-EX Zone 2, 21, 22

Mobile plugs in antistatic technopolymer



High-performance straight mobile plugs  
50/60Hz IP66/IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty	
16	110	Yellow	2P+ ⚡	4	<b>760124EX</b>	1	
	110	Yellow	3P+ ⚡	4	<b>760134EX</b>	1	
	110	Yellow	3P+N+ ⚡	4	<b>760144EX</b>	1	
	230	Blue	2P+ ⚡	6	<b>760126EX</b>	1	
	230	Blue	3P+ ⚡	9	<b>760139EX</b>	1	
	230	Blue	3P+N+ ⚡	9	<b>760149EX</b>	1	
	400	Red	2P+ ⚡	9	<b>760129EX</b>	1	
	400	Red	3P+ ⚡	6	<b>760136EX</b>	1	
	400	Red	3P+N+ ⚡	6	<b>760146EX</b>	1	
	500	Black	3P+ ⚡	7	<b>760137EX</b>	1	
	500	Black	3P+N+ ⚡	7	<b>760147EX</b>	1	
	32	110	Yellow	2P+ ⚡	4	<b>760224EX</b>	1
		110	Yellow	3P+ ⚡	4	<b>760234EX</b>	1
		110	Yellow	3P+N+ ⚡	4	<b>760244EX</b>	1
		230	Blue	2P+ ⚡	6	<b>760226EX</b>	1
230		Blue	3P+ ⚡	9	<b>760239EX</b>	1	
230		Blue	3P+N+ ⚡	9	<b>760249EX</b>	1	
400		Red	2P+ ⚡	9	<b>760229EX</b>	1	
400		Red	3P+ ⚡	6	<b>760236EX</b>	1	
400		Red	3P+N+ ⚡	6	<b>760246EX</b>	1	
500		Black	3P+ ⚡	7	<b>760237EX</b>	1	
500	Black	3P+N+ ⚡	7	<b>760247EX</b>	1		
63	110	Yellow	2P+ ⚡	4	<b>760324EX</b>	1	
	110	Yellow	3P+ ⚡	4	<b>760334EX</b>	1	
	110	Yellow	3P+N+ ⚡	4	<b>760344EX</b>	1	
	230	Blue	2P+ ⚡	6	<b>760326EX</b>	1	
	230	Blue	3P+ ⚡	9	<b>760339EX</b>	1	
	230	Blue	3P+N+ ⚡	9	<b>760349EX</b>	1	
	400	Red	2P+ ⚡	9	<b>760329EX</b>	1	
	400	Red	3P+ ⚡	6	<b>760336EX</b>	1	
	400	Red	3P+N+ ⚡	6	<b>760346EX</b>	1	
	500	Black	3P+ ⚡	7	<b>760337EX</b>	1	
500	Black	3P+N+ ⚡	7	<b>760347EX</b>	1		

### Cable features

Rated current (A)	Poles	Entry cable diameter (mm)	Cable cross-section range (mm <sup>2</sup> )
16	2P+ ⚡	7 - 15	1 - 10
	3P+ ⚡		
	3P+N+ ⚡	9 - 19	
32	2P+ ⚡	9 - 19	1 - 10
	3P+ ⚡		
	3P+N+ ⚡	13 - 21	
63	2P+ ⚡	14 - 35	6 - 25
	3P+ ⚡		
	3P+N+ ⚡		



Watertight caps for plugs  
IP67

Rated current (A)	Poles	Palazzoli code	Pack Qty
16A	2P+ ⚡	<b>476903</b>	1
	3P+ ⚡	<b>476913</b>	1
	3P+N+ ⚡	<b>476923</b>	10
32A	2P+ ⚡ / 3P+ ⚡	<b>476905</b>	10
	3P+N+ ⚡	<b>476925</b>	10
63A	2P+ ⚡ / 3P+ ⚡ / 3P+N+ ⚡	<b>476907</b>	1
125A	2P+ ⚡ / 3P+ ⚡ / 3P+N+ ⚡	<b>476909</b>	1

Features: ensures the IP67 protection rating when the plug is not in use.

XCEE-EX PLUG  
with watertight cap



# TAIS-EX





## TAIS-EX Zone 2, 21, 22

Interlocked socket-outlets in antistatic thermosetting GRP

### ADVANTAGES



1

The TAIS-EX enclosure, made of carbon-fibre-reinforced thermosetting GRP, prevents the build-up of electrostatic charges, thus preventing the ignition of explosive gas, vapour or dust atmospheres.

The handle of the socket-outlet allows up to 3 padlocks to be used to ensure that safety procedures are followed during maintenance.

2



The interlocking mechanism is in metal. The cover is fixed to the body with stainless steel screws. The circuit breaker is category AC-23A with 10kA conditional short-circuit current rating.

3



TAIS-EX is the only series that allows to create sets of ATEX socket-outlets as easily as standard distribution boards.

4



For quick and easy installation, scan the QR code.





## TAIS-EX Zone 2, 21, 22

Interlocked socket-outlets in antistatic thermosetting GRP



Atex execution - Gas	II 3G - Ex ec nC IIC T6...T3 Gc
Atex execution - Dust	II 2D - Ex tb IIIC T 70°C...105°C Db
Body material	Palazzoli antistatic Thermosetting GRP
Colour	RAL 9005 Jet black
Protection rating	IP66
Additional IP rating	IP66/IP67
Surface resistance	<10 <sup>9</sup> Ω (prevention of electrostatic charge accumulation)
Resistance to abnormal heat and fire	960°C
Flammability class	V-0
Insulation class	II
Ambient operating temperature	See table
Ambient storage temperature	-50°C - +90°C
Rated current	16A - 32A - 50A - 63A
Operating voltage	50V - 690V
Insulation voltage	690V
Operating frequency	50/60Hz



### DIRECTIVES

2014/34/EU (ATEX)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

### PRODUCT STANDARDS

IEC/EN 60079-0  
IEC/EN 60079-7  
IEC/EN 60079-15  
IEC/EN 60079-31  
IEC/EN 60309-1  
IEC/EN 60309-2  
IEC/EN 60309-4  
IEC/EN 63000

Rated operating current:		16A	32A	40A	50A	63A	
Thermal current I <sub>th</sub>	A	16	32	40	50	63	
AC-21A	110V	A	16	32	40	50	63
	230V						
	400V						
	500V						
AC-22A	110V	A	16	32	40	50	63
	230V						
	400V						
	500V						
AC-23A	110V	A	16	32	40	50	63
	230V						
	400V						
	500V						
AC-23A	110V	kW	2.4	4.9	6.1	7.6	9.6
	230V		5.1	10.2	12.7	15.9	20.1
	400V		8.9	17.7	22.2	27.7	34.9
	500V		11.1	22.2	27.7	34.6	43.6

Wiring data:		16A	32A	40A	50A	63A
Entry cable diameter	mm	12.5 - 25		19-32		
Entry cable cross-section	mm <sup>2</sup>	1-10		6-25		
Tightening torque	Nm	2		3		

Technical data sheets updated to new standards on [palazzoli.com](http://palazzoli.com) website



## TAIS-EX Zone 2, 21, 22

Interlocked socket-outlets in antistatic thermosetting GRP

### Ambient operating temperature

Version	Rated current (A)	Ambient operating temperature (°C)	Surface operating temperature (°C) (Dust)	Temperature class (Gas)
Direct	16	-40 ... +50	T70	T6
		-40 ... +65	T85	T5
	32	-40 ... +40	T70	T5
		-40 ... +65	T95	T4
	63	-40 ... +40	T80	T4
		-40 ... +65	T105	T3
Fuse	16	-40 ... +50	T70	T4
	32	-40 ... +40	T85	T3
	40/50	-40 ... +40	T95	T3

### Ambient operating temperature for switches

Rated current (A)	Ambient operating temperature (°C)	Surface operating temperature (°C) (Dust)	Temperature class (Gas)
16	-40 ... +60	T80	T6
25	-40 ... +60	T85	T5
32	-40 ... +60	T90	T5
40/50	-40 ... +60	T90	T5
63	-40 ... +60	T95	T5
100	-40 ... +60	T105	T4

### Table for selecting plugs that can be combined

Socket-outlets with fuses (A)	Rated current	
	Socket-outlet without protection (A)	Plug (A)
16	16	16
32	32	32
40/50	63	63



For ATEX installation, the QR code.







# GUIDE TO THE CREATION OF COMPOSITIONS WITH TAIS-EX SOCKET-OUTLETS

**ATEX**  
II 2D Ex tb IIIC  
T 70°...105 °C  
Db

---

II 3G Ex ec nC IIC  
T3/T4/T5/T6 Gc

			ZONES 2, 21-22				
I	V	No. of poles	Entry	 Direct supply	 Fuses		
16A	230V		2P+≐	M32	<b>461126EX</b>	<b>462126EX</b>	<b>760126EX</b>
	400V		3P+≐	M32	<b>461136EX</b>	<b>462136EX</b>	<b>760136EX</b>
	400V		3P+N+≐	M32	<b>461146EX</b>	<b>462146EX</b>	<b>760146EX</b>
32A	230V		2P+≐	M32	<b>461226EX</b>	<b>462226EX</b>	<b>760226EX</b>
	400V		3P+≐	M32	<b>461236EX</b>	<b>462236EX</b>	<b>760236EX</b>
	400V		3P+N+≐	M32	<b>461246EX</b>	<b>462246EX</b>	<b>760246EX</b>
40A 50A	400V		3P+≐	M40		<b>462336EX</b>	<b>760336EX</b>
	400V		3P+N+≐	M40		<b>462346EX</b>	<b>760346EX</b>
63A	400V		3P+≐	M40	<b>461336EX</b>		<b>760336EX</b>
	400V		3P+N+≐	M40	<b>461346EX</b>		<b>760346EX</b>

Common accessories

**538429EX** M32  
**538436EX** M40

Fittings for coupling socket-outlets with boxes IP66

**532281EX**  
**532286EX**  
**532282EX**  
**532283EX**

Boxes in thermosetting GRP with blind cover for the composition of socket boards IP66/IP67

125x185 x 1 16A-32A socket-outlet  
125x185 x 1 40A-63A socket-outlet  
250x185 x 2 16A-32A socket-outlets  
380x185 x 3 16A-32A socket-outlets

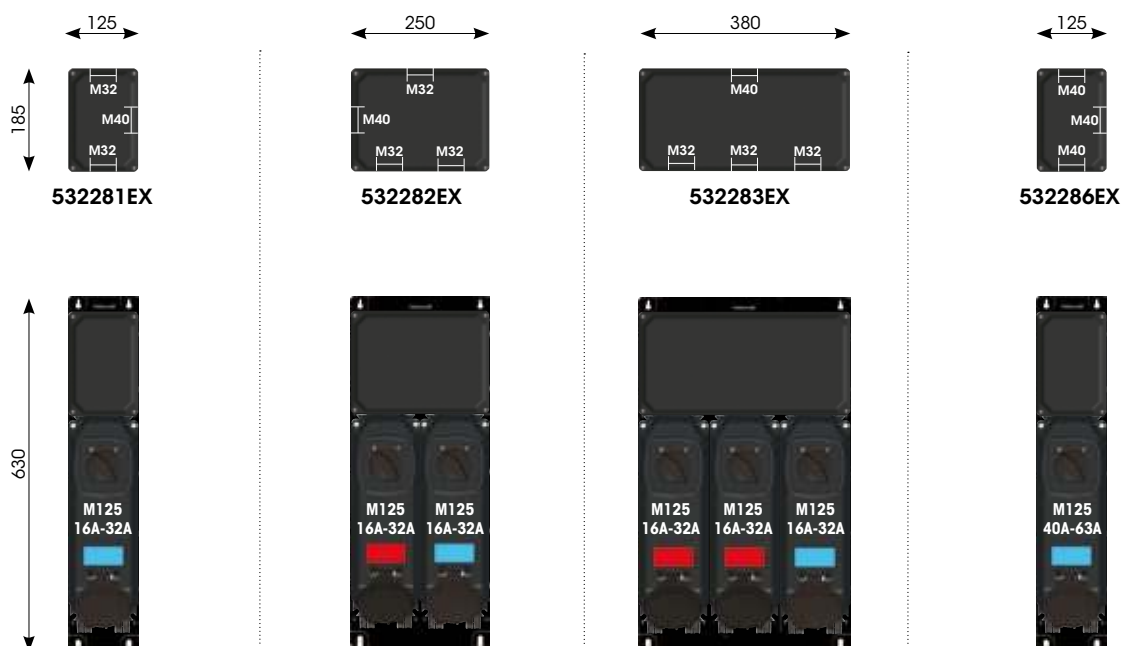
**538800EX**  
**538802EX**  
**538804EX**

Mounting plates in thermosetting GRP with guided system for the creation of multiple socket boards

125x630 x 1 socket-outlet  
250x630 x 2 sockets  
380x630 x 3 socket-outlets

**Common items included for dust and gas:** technopolymer cable gland.  
In the boxes, instructions and labels to correctly identify the ATEX distribution board. Labels must be chosen according to the socket-outlets installed.

## Examples of combinations





# TAIS-EX Zones 2, 21, 22

Interlocked socket-outlets in antistatic thermosetting GRP

MODULE 125



Wall-mounted interlocked  
socket-outlets  
50/60Hz IP66/IP67

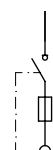
Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 M32 entry	110	Yellow	2P+⊕	4	<b>461124EX</b>	1
	110	Yellow	3P+⊕	4	<b>461134EX</b>	1
	110	Yellow	3P+N+⊕	4	<b>461144EX</b>	1
	230	Blue	2P+⊕	6	<b>461126EX</b>	1
	230	Blue	3P+⊕	9	<b>461139EX</b>	1
	230	Blue	3P+N+⊕	9	<b>461149EX</b>	1
	400	Red	2P+⊕	9	<b>461129EX</b>	1
	400	Red	3P+⊕	6	<b>461136EX</b>	1
	400	Red	3P+N+⊕	6	<b>461146EX</b>	1
	500	Black	3P+⊕	7	<b>461137EX</b>	1
32 M32 entry	110	Yellow	2P+⊕	4	<b>461224EX</b>	1
	110	Yellow	3P+⊕	4	<b>461234EX</b>	1
	110	Yellow	3P+N+⊕	4	<b>461244EX</b>	1
	230	Blue	2P+⊕	6	<b>461226EX</b>	1
	230	Blue	3P+⊕	9	<b>461239EX</b>	1
	230	Blue	3P+N+⊕	9	<b>461249EX</b>	1
	400	Red	2P+⊕	9	<b>461229EX</b>	1
	400	Red	3P+⊕	6	<b>461236EX</b>	1
	400	Red	3P+N+⊕	6	<b>461246EX</b>	1
	500	Black	3P+⊕	7	<b>461237EX</b>	1
63 M40 entry	110	Yellow	2P+⊕	4	<b>461324EX</b>	1
	110	Yellow	3P+⊕	4	<b>461334EX</b>	1
	110	Yellow	3P+N+⊕	4	<b>461344EX</b>	1
	230	Blue	2P+⊕	6	<b>461326EX</b>	1
	230	Blue	3P+⊕	9	<b>461339EX</b>	1
	230	Blue	3P+N+⊕	9	<b>461349EX</b>	1
	400	Red	2P+⊕	9	<b>461329EX</b>	1
	400	Red	3P+⊕	6	<b>461336EX</b>	1
	400	Red	3P+N+⊕	6	<b>461346EX</b>	1
	500	Black	3P+⊕	7	<b>461337EX</b>	1

Equipment included: technopolymer cable gland.

Technical accessories:



MODULE 125



Wall-mounted interlocked  
socket-outlets with fuse holder base  
50/60Hz IP66/IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 M32 entry	110	Yellow	2P+⊕	4	<b>462124EX</b>	1
	110	Yellow	3P+⊕	4	<b>462134EX</b>	1
	110	Yellow	3P+N+⊕	4	<b>462144EX</b>	1
	230	Blue	2P+⊕	6	<b>462126EX</b>	1
	230	Blue	3P+⊕	9	<b>462139EX</b>	1
	230	Blue	3P+N+⊕	9	<b>462149EX</b>	1
	400	Red	2P+⊕	9	<b>462129EX</b>	1
	400	Red	3P+⊕	6	<b>462136EX</b>	1
	400	Red	3P+N+⊕	6	<b>462146EX</b>	1
	500	Black	3P+⊕	7	<b>462137EX</b>	1
32 M32 entry	110	Yellow	2P+⊕	4	<b>462224EX</b>	1
	110	Yellow	3P+⊕	4	<b>462234EX</b>	1
	110	Yellow	3P+N+⊕	4	<b>462244EX</b>	1
	230	Blue	2P+⊕	6	<b>462226EX</b>	1
	230	Blue	3P+⊕	9	<b>462239EX</b>	1
	230	Blue	3P+N+⊕	9	<b>462249EX</b>	1
	400	Red	2P+⊕	9	<b>462229EX</b>	1
	400	Red	3P+⊕	6	<b>462236EX</b>	1
	400	Red	3P+N+⊕	6	<b>462246EX</b>	1
	500	Black	3P+⊕	7	<b>462237EX</b>	1
50 M40 entry	110	Yellow	2P+⊕	4	<b>462324EX</b>	1
	110	Yellow	3P+⊕	4	<b>462334EX</b>	1
	110	Yellow	3P+N+⊕	4	<b>462344EX</b>	1
	230	Blue	2P+⊕	6	<b>462326EX</b>	1
	230	Blue	3P+⊕	9	<b>462339EX</b>	1
	230	Blue	3P+N+⊕	9	<b>462349EX</b>	1
	400	Red	2P+⊕	9	<b>462329EX</b>	1
	400	Red	3P+⊕	6	<b>462336EX</b>	1
	400	Red	3P+N+⊕	6	<b>462346EX</b>	1
	500	Black	3P+⊕	7	<b>462337EX</b>	1

Equipment included: technopolymer cable gland.

Features: fuses not included.

Notes: the 50A sockets installed in a distribution board have a maximum rated current of 40A. See guide to the creation of compositions on page 244.

Technical accessories:





## TAIS-EX Zones 2, 21, 22

Interlocked socket-outlets in antistatic thermosetting GRP



Boxes in thermosetting GRP with blind cover for the composition of socket boards IP66/IP67

Outer dimensions (mm)	Holes	Socket rated current (A)	Installable devices	Palazzoli code	Pack Qty
125x185x125		16 - 32	1	<b>532281EX</b>	1
125x185x125		40 - 63	1	<b>532286EX</b>	1
250x185x125		16 - 32	2	<b>532282EX</b>	1
380x185x125		16 - 32	3	<b>532283EX</b>	1

**Features:** pre-drilled boxes.

**Equipment included:** in the boxes, instructions and labels to correctly identify the ATEX distribution board. Labels must be chosen according to the socket-outlets installed.

**Technical accessories:**



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Mounting plates in thermosetting GRP with guided system for the creation of multiple socket boards

Outer dimensions (mm)	Installable devices	Palazzoli code	Pack Qty
125x630	1	<b>538800EX</b>	1
250x630	2	<b>538802EX</b>	1
380x630	3	<b>538804EX</b>	1

**Equipment included:** pre-arranged with brass grub screws and stainless steel screws for fixing the devices.

**Features:** the guided positioning system simplifies the assembly of the devices onto the plate.



Fittings for coupling socket-outlets with boxes IP66

From hole	To hole	Thread length (mm)	Palazzoli code	Pack Qty
M32	M32	23	<b>538429EX</b>	1
M40	M40	23	<b>538436EX</b>	1

**Features:** they are used to couple socket-outlets with boxes.

# TAIS-EX

electrifies the large mills of Marghera





## TAISBOX-EX Zones 1, 2, 21, 22

Junction boxes in antistatic thermosetting GRP



Atex execution - Gas	II 2G - Ex eb IIC Gb
Atex execution - Dust	II 2D - Ex tb IIIC Db
Body material	Palazzoli antistatic Thermosetting GRP
Colour	RAL 9005 Jet black
Protection rating	IP66
Additional IP rating	IP66/IP67
Surface resistance	<10 <sup>9</sup> Ω (prevention of electrostatic charge accumulation)
Resistance to abnormal heat and fire	960°C
Flammability class	V-0
Insulation class	II
Ambient operating temperature	-40°C - +70°C See table
Ambient storage temperature	-50°C - +90°C

### Ambient operating temperature

Code	-40°C - +40°C (W)	-40°C - +50°C (W)	-40°C - +70°C (W)
102025EX	3.8	3.5	1.0
102035EX	3.8	3.5	1.0
102045EX	3.8	3.5	1.0
102156EX	5.8	5.3	1.6
102157EX	5.8	5.3	1.6
102232EX	11.0	10.0	3.0
102242EX	11.0	10.0	3.0
102342EX	13.0	10.0	3.0
102335EX	13.0	10.0	3.0
102345EX	13.0	10.0	3.0
102365EX	13.0	10.0	3.0
102443EX	15.0	10.0	3.0
102463EX	15.0	10.0	3.0
102445EX	15.0	10.0	3.0
102485EX	15.0	10.0	3.0

\*The minimum operating temperature is -20°C.



### DIRECTIVES

2014/34/EU (ATEX)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

### PRODUCT STANDARDS

IEC/EN 60079-0  
IEC/EN 60079-7  
IEC/EN 60079-31  
IEC/EN 60670-1  
IEC/EN 60670-22  
IEC/EN 63000

Technical data sheets updated to new standards  
on [palazzoli.com](http://palazzoli.com) website



# TAISBOX-EX Zones 1, 2, 21, 22

Junction boxes in antistatic thermosetting GRP



Compact boxes with cage terminals and metric inputs in thermosetting GRP IP66/IP67

Outer dimensions (mm)	Hole type	Type terminals (mm <sup>2</sup> )	Palazzoli code	Pack Qty
62x80x38			<b>102025EX</b>	1
		4x6	<b>102035EX</b>	1
			<b>102045EX</b>	1
77x102x48			<b>102156EX</b>	1
		5x6	<b>102157EX</b>	1

### Included

Code	Technopolymer cable glands
<b>102025EX</b>	2 x M20
<b>102035EX</b>	3 x M20
<b>102045EX</b>	4 x M20
<b>102156EX</b>	6 x M20
<b>102157EX</b>	6 x M25



Boxes with wiring terminals and metric entries in thermosetting GRP IP66/IP67

Outer dimensions (mm)	Hole type	Type of line terminals (mm <sup>2</sup> )	Type of earth terminals (mm <sup>2</sup> )	Palazzoli code	Pack Qty
92x92x100				<b>102232EX</b>	1
		4x4	1x4	<b>102242EX</b>	1
125x125x100		8x4	2x4	<b>102342EX</b>	1
				<b>102335EX</b>	1
125x185x100		6x6	2x6	<b>102345EX</b>	1
				<b>102365EX</b>	1
125x185x100				<b>102443EX</b>	1
				<b>102463EX</b>	1
125x185x100		8x10	2x10	<b>102445EX</b>	1
				<b>102485EX</b>	1

### Included

Code	Technopolymer cable glands	Caps
<b>102232EX</b>	2 x M20	1 x M20
<b>102242EX</b>	3 x M20	1 x M20
<b>102342EX</b>	4 x M20	-
<b>102335EX</b>	2 x M25	1 x M25
<b>102345EX</b>	3 x M25	1 x M25
<b>102365EX</b>	4 x M25	2 x M25
<b>102443EX</b>	3 x M32	1 x M32
<b>102463EX</b>	4 x M32	2 x M32
<b>102445EX</b>	4 x M25	1 x M25
<b>102485EX</b>	6 x M25	2 x M25





## TAISBOX-EXU Zone 1, 2, 21, 22

Boxes in antistatic thermosetting GRP



Atex execution - Gas	II 2G - Ex eb IIC Gb
Atex execution - Dust	II 2D - Ex tb IIIC Db
Body material	Palazzoli antistatic Thermosetting GRP
Colour	RAL 9005 Jet black
Protection rating	IP66
Additional IP rating	IP66/IP67
Surface resistance (prevention of electrostatic charge accumulation)	<10 <sup>9</sup> Ω
Resistance to abnormal heat and fire	960°C
Flammability class	V-0
Insulation class	II
Ambient operating temperature	-40°C - +70°C See table
Ambient storage temperature	-50°C - +90°C

### Ambient operating temperature

Code	-40°C - +40 °C (W)	-40°C - +50°C (W)	-40°C - +70°C (W)
532200EX	18	12	4
532201EX	19	17	6
532202EX	23	22	7
532203EX	24	22	8
532204EX	25	25	15
532035EX*	8	6	2
532045EX	10	6	2
532055EX	12	9	3
532116EX	13	10	3
532117EX	15	10	3
532118EX	20	14	5
532005EX	11	10	3
532006EX	11	7	2
532015EX	16	9	3
532016EX	15	10	3
532017EX	17	13	4
532018EX	22	22	7
531011EX	20	15	3
531021EX	24	20	5
531040EX	28	24	7
531042EX	35	30	20
531062EX	60	55	30

\*The minimum operating temperature is -20°C.

The marking of empty ATEX boxes does not show the T temperature class of the equipment, as the maximum service temperature, for the "e" protection mode (gas), depends on the temperature reached by the components mounted inside (terminals, fuse holders, etc.); while for the "tb" protection mode (dust), the maximum surface temperature of the box's outer casing depends on the actual power dissipated by the internal components.

The user must choose the most suitable box based on the calculation of the power dissipation of the internal components and the operating temperature indicated in the table above, and proceed to certify the assembly thus constructed.

Technical data sheets updated to new standards on [palazzoli.com](http://palazzoli.com) website



### DIRECTIVES

2014/34/EU (ATEX)

### PRODUCT STANDARDS

IEC/EN 60079-0  
IEC/EN 60079-7  
IEC/EN 60079-31  
IEC/EN 60670-1  
IEC/EN 60670-22



# TAISBOX-EXU Zone 1, 2, 21, 22

Boxes in antistatic thermosetting GRP



High-capacity boxes  
in thermosetting GRP  
IP66/IP67

Dimensions (mm)		Max. power dissipation (W)	Palazzoli code	Pack Qty
external	internal			
125x185x125	89x139x102	18	<b>532200EX</b>	1
190x185x125	148x145x102	19	<b>532201EX</b>	1
250x185x125	205x147x102	23	<b>532202EX</b>	1
290x185x125	249x144x102	24	<b>532203EX</b>	1
380x185x125	336x147x102	25	<b>532204EX</b>	1

**Notes:** the maximum power dissipation is for a maximum ambient temperature of 40 °C.



Boxes  
in thermosetting GRP  
with low cover  
IP66/IP67

Dimensions (mm)		Max. power dissipation (W)	Palazzoli code	Pack Qty
external	internal			
92x92x68	55x57x47	8	<b>532035EX*</b>	1
125x92x68	87x58x47	10	<b>532045EX</b>	1
185x92x68	150x55x47	12	<b>532055EX</b>	1
125x125x100	94x80x79	13	<b>532116EX</b>	1
185x125x100	142x92x79	15	<b>532117EX</b>	1
250x125x100	210x89x79	20	<b>532118EX</b>	1

**Notes:** the maximum power dissipation is for a maximum ambient temperature of 40 °C.

\*The minimum operating temperature is -20°C.

**Technical accessories:**



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Boxes  
in thermosetting GRP  
with high cover  
IP66/IP67

Dimensions (mm)		Max. power dissipation (W)	Palazzoli code	Pack Qty
external	internal			
92x92x100	55x52x79	11	<b>532005EX</b>	1
125x92x100	94x47x79	11	<b>532006EX</b>	1
185x92x100	151x50x79	16	<b>532015EX</b>	1
125x125x125	89x82x104	15	<b>532016EX</b>	1
185x125x125	144x86x104	17	<b>532017EX</b>	1
250x125x125	209x87x104	22	<b>532018EX</b>	1

**Notes:** the maximum power dissipation is for a maximum ambient temperature of 40 °C.



High-capacity boxes  
in thermosetting GRP  
IP66/IP67

Dimensions (mm)		Max. power dissipation (W)	Palazzoli code	Pack Qty
external	internal			
185x185x140	135x135x115	20	<b>531011EX</b>	1
250x185x140	200x135x115	24	<b>531021EX</b>	1
250x250x140	200x200x115	28	<b>531040EX</b>	1
370x250x140	315x200x115	35	<b>531042EX</b>	1
500x370x140	450x315x115	60	<b>531062EX</b>	1

**Notes:** the maximum power dissipation is for a maximum ambient temperature of 40 °C.

**Technical accessories:**



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Back plates  
in galvanised steel  
for TAISBOX-EXU

For enclosure code	Plate dimensions (mm)	Palazzoli code	Pack Qty
532200EX-532240EX	83x145	<b>532700</b>	1
532201EX	160x140	<b>532701</b>	1
532202EX-532242EX	208x145	<b>532702</b>	1
532203EX	260x145	<b>532703</b>	1
532204EX-532244EX	333x145	<b>532704</b>	1
532035EX-532005EX	59x59	<b>532705</b>	1
532045EX-532006EX	92x58	<b>532714</b>	1
532055EX-532015EX	142x62	<b>532715</b>	1
532116EX-532016EX	86x86	<b>532716</b>	1
532117EX-532017EX	100x86	<b>532717</b>	1
532118EX-532018EX	175x86	<b>532718</b>	1



# ALUCASE-EXU Zones 1, 2, 21, 22

Boxes in aluminium alloy

Atex execution - Gas	II 2G - Ex eb IIC Gb
Atex execution - Dust	II 2D - Ex tb IIIC Db
Body material	Aluminium alloy
Surface treatment	Fluorozirconate passivation
Colour	RAL 9005 Jet black
Protection rating	IP66
Additional IP rating	IP66/IP67
Impact resistance	7J
Corrosivity category	Equivalent to C4-H / C5-M
Insulation class	I
Ambient operating temperature	-40°C - +70°C See table
Ambient storage temperature	-50°C - +90°C



## DIRECTIVES

2014/34/EU (ATEX)

## PRODUCT STANDARDS

IEC/EN 60079-0  
IEC/EN 60079-7  
IEC/EN 60079-31  
IEC/EN 60670-1  
IEC/EN 60670-22

### Ambient operating temperature

Code	-40°C - +40°C (W)	-40°C - +50°C (W)	-40°C - +70°C (W)
511910EX	10	7	2
511913EX	20	14	5
511220EX	22	15	6
150021EX	19	13	6
511920EX	40	28	11
521310EX	40	28	11
511921EX	49	34	13
511410EX	65	46	18
521420EX	101	71	28
511420EX	84	59	23
511510EX	96	67	27
511610EX	108	76	29

The marking of empty ATEX boxes does not indicate the temperature class T of the equipment, since the maximum service temperature, for the "eb" (gas) protection mode, depends on the temperature reached by the components mounted inside (e.g. terminals); whereas for the "tb" (dust) protection mode, the maximum surface temperature of the box's outer casing depends on the actual power dissipated by the internal components. The user must choose the most suitable box based on the calculation of the power dissipation of the internal components and the operating temperature indicated in the table above, and proceed to certify the assembly thus constructed.

Technical data sheets updated to new standards  
on [palazzoli.com](http://palazzoli.com) website



Boxes in aluminium alloy  
and back plate  
IP66/IP67

Dimensions (mm)		Power dissipation (W)	Palazzoli code	Pack Qty
external	internal			
92x92x77	60x55x55	10	511910EX*	1
125x125x113	94x87x89	20	511913EX	1
185x125x88	154x91x62	22	511220EX	1
155x155x73	136x111x48	19	150021EX	1
185x185x145	150x148x118	40	511920EX	1
220x220x108	174x170x80	40	521310EX	1
252x185x145	224x142x124	49	511921EX	1
252x252x165	202x201x130	65	511410EX	1
295x295x120	249x241x94	101	521420EX	1
315x252x193	264x196x158	84	511420EX	1
315x315x193	261x261x158	96	511510EX	1
373x373x165	320x285x130	108	511610EX	1

**Equipment included:** earth screws inside and outside the box.

Back plate (except code 511910EX).

**Notes:** the maximum power dissipation is for a maximum ambient temperature of 40 °C.

\*The minimum operating temperature is -20°C.

### Technical accessories:



page 256



# UNIBOX-EXU Zones 2, 22

Boxes in aluminium alloy

Atex execution - Gas	<b>II 3G - Ex ec IIC Gc U</b>
Atex execution - Dust	<b>II 3D - Ex tc IIIC Dc U</b>
Body material	<b>Aluminium alloy</b>
Surface treatment	<b>Fluorozirconate passivation</b>
Colour	<b>RAL 9005 Jet black</b>
Protection rating	<b>IP66</b>
Additional IP rating	<b>IP66/IP67</b>
Impact resistance	<b>4J</b>
Corrosivity category	<b>Equivalent to C3-H / C4-M</b>
Insulation class	<b>I</b>
Ambient operating temperature	<b>-20°C - +85°C</b>
Ambient storage temperature	<b>-50°C - +90°C</b>



## DIRECTIVES

2014/34/EU (ATEX)

## PRODUCT STANDARDS

IEC/EN 60670-1  
IEC/EN 60670-22  
IEC/EN 60079-31  
IEC/EN 60079-0  
IEC/EN 60079-7

### Ambient operating temperature

Code	-40°C - +65°C (W)	-40°C - +75°C (W)	-40°C - +85°C (W)
<b>520009EX</b>	10	6	4
<b>520011EX</b>	13	9	6
<b>520012EX</b>	17	11	8
<b>520014EX</b>	25	17	12
<b>520019EX</b>	40	27	19
<b>520020EX</b>	62	43	29
<b>520021EX</b>	95	66	45

The marking of empty ATEX boxes does not show the T temperature class of the equipment, as the maximum service temperature, for the "ec" protection mode (gas), depends on the temperature reached by the components mounted inside (terminals, fuse holders, etc.); while for the "tc" protection mode (dust) the maximum surface temperature of the box's outer casing depends on the actual power dissipated by the internal components. The user must choose the most suitable box based on the calculation of the power dissipation of the internal components and the operating temperature indicated in the table above, and proceed to certify the assembly thus constructed.

Technical data sheets updated to new standards on [palazzoli.com](http://palazzoli.com) website



Empty boxes  
in aluminium alloy  
IP66/IP67

Box type	Dimensions (mm)		Max. power dissipation (W)	Palazzoli code	Pack Qty
	external	internal			
UNI B9	100x100x59	88x88x44	10	<b>520009EX</b>	1
UNI B11	115x140x61	103x128x46	13	<b>520011EX</b>	1
UNI B12	141x166x64	128x153x49	17	<b>520012EX</b>	1
UNI B14	168x192x80	152x176x65	25	<b>520014EX</b>	1
UNI B19	217x253x93	201x236x75	40	<b>520019EX</b>	1
UNI B20	264x314x122	243x295x104	62	<b>520020EX</b>	1
UNI B21	315x410x150	291x386x126	95	<b>520021EX*</b>	1

**Equipment included:** earth screws inside and outside the box.

**Notes:** the maximum power dissipation is for a maximum ambient temperature of 65 °C. \*the protection rating is IP65.

**Technical accessories:**



Back plates  
in galvanised steel  
for UNIBOX-EXU boxes

For box type	Dimensions (mm)	Palazzoli code	Pack Qty
UNI B11	119x78	<b>522011</b>	1
UNI B12	132x108	<b>522012</b>	1
UNI B14	165x125	<b>522014</b>	1
UNI B19	200x165	<b>522019</b>	1
UNI B20	250x210	<b>522020</b>	1
UNI B21	345x257	<b>522021</b>	1

**Equipment included:** screws for mounting inside the box, 2 kits for earthing terminal connection.



DIN rails  
for UNIBOX-EXU boxes

For box type	Working length (mm)	Palazzoli code	Pack Qty
UNI B9	60	<b>521009</b>	1
UNI B11	95	<b>521011</b>	1
UNI B12	125	<b>521012</b>	1
UNI B14	170	<b>521014</b>	1
UNI B19	230	<b>521019</b>	1
UNI B20	290	<b>521020</b>	1
UNI B21	380	<b>521021</b>	1

**Equipment included:** screws for mounting inside the box.



## CUSTOMISED ATEX JUNCTION BOXES

The thermosetting GRP TAISBOX-EXU and the aluminium alloy ALUCASE-EXU boxes can be completed with cable glands and terminal blocks, allowing the creation of customised junction boxes, suitable for installation in zones 1-2-21-22 in accordance with the ATEX 2014/34/EC Directive. The configurations customised and certified by a Notified Organism can be made by Palazzoli upon specifications of the customer.

To make the configurations it is necessary to know:

1. Number and type of modular terminal blocks.

The IEC/EN60715 DIN rail inside the box can be complemented with ATEX-compliant and Ex-eb-certified modular terminal blocks. The maximum number of terminals that can be used depends on the physical dimensions of the box, according to the table below, and on the maximum power dissipation.

2. Number, type e positions of the cable glands.

Each box can be drilled on the 4 sides using a max. number of entries that depends on the dimensions of the cable glands and on side area. Cable glands from Palazzoli or any other brand, from M12 to M50, may be used. They must comply with the ATEX Directive and certified with the Ex-e/Ex-ib protection mode. If windowed boxes are used, it is possible to complete them with suitable drilled flanges or blind raised flanges (Table below).

SERIES	CODE OF EMPTY BOX	DIMENSIONS (BxHxD)	DIN GUIDE LENGTH (mm)	MAXIMUM NUMBER OF CABLE GLANDS THAT CAN BE INSTALLED ON EACH SIDE													
				LONG SIDE OF THE BOX (B)							SHORT SIDE OF THE BOX (H)						
				M12	M16	M20	M25	M32	M40	M50	M12	M16	M20	M25	M32	M40	M50
TAISBOX-EXU	532200EX	185x125x125	145	12	8	6	3	2	2	-	6	4	3	2	1	1	-
	532201EX	190x185x125	160	12	8	6	3	2	2	-	12	8	6	3	2	2	-
	532202EX	250x185x125	220	16	14	12	5	4	3	-	12	8	6	3	2	2	-
	532203EX	290x185x125	260	20	16	14	6	5	4	-	12	8	6	3	2	2	-
	532204EX	380x185x125	333	26	24	22	9	7	6	-	12	8	6	3	2	2	-
	532035EX	92x92x68	59	2	1	1	-	-	-	-	2	1	1	-	-	-	-
	532045EX	125x92x68	92	4	3	3	2	-	-	-	2	1	1	-	-	-	-
	532055EX	185x92x68	142	6	4	4	2	-	-	-	2	1	1	-	-	-	-
	532116EX	125x125x100	86	7	4	3	2	1	1	-	6	4	3	2	1	1	-
	532117EX	185x125x100	100	12	8	6	3	2	2	1	6	4	3	2	1	1	-
	532118EX	250x125x100	175	16	14	12	6	4	3	-	6	4	3	2	1	1	-
	532005EX	92x92x100	59	2	1	1	-	-	-	-	2	1	1	-	-	-	-
	532006EX	125x92x100	92	4	3	3	2	-	-	-	2	1	1	-	-	-	-
	532015EX	185x92x100	142	6	4	4	2	-	-	-	2	1	1	-	-	-	-
	532016EX	125x125x125	86	7	5	4	2	1	-	-	6	5	4	2	1	-	-
	532017EX	185x125x125	100	12	7	6	4	3	-	-	6	5	4	2	1	-	-
	532018EX	250x125x125	175	16	10	8	5	4	-	-	6	5	4	2	1	-	-
	ALUCASE-EXU	511910EX	92x92x77	69	3	2	2	1	-	-	3	2	2	1	-	-	-
511913EX		125x125x113	100	8	5	4	2	2	-	8	5	4	2	2	-	-	
150021EX		155x155x73	122	10	6	5	3	1	-	10	6	5	3	1	-	-	
511920EX		185x185x145	160	18	12	10	8	4	3	2	18	12	10	8	4	3	2
511921EX		252x185x145	200	24	16	14	10	5	4	3	18	12	10	8	4	3	2
511911EX		125x92x77	100	3	3	2	-	-	-	-	-	-	-	-	-	-	-
511912EX		185x92x77	150	6	5	4	-	-	-	-	-	-	-	-	-	-	-
511917EX		252x125x113	200	16	14	6	5	4	-	-	2	1	-	-	-	-	-
511922EX		220x220x108	190	3	3	2	2	-	-	-	3	3	2	2	-	-	-
511923EX		252x252x197	210	32	28	18	10	8	6	3	15	8	6	6	2	2	1

3. Maximum utilisation current for each terminal.

By specifying this detail it is possible to calculate more precisely the maximum power dissipation and use optimised boxes with more compact dimensions. If this detail cannot be supplied, the maximum rated current should be considered and larger boxes will have to be used.

4. Ambient temperature

The boxes in Palazzoli Thermosetting GRP of the TAISBOX-EXU series and the boxes in aluminium alloy of the ALUCASE-EXU series can be used at different temperatures. The complete tables are on page 250 for the TAISBOX-EXU series and page 252 for the ALUCASE-EXU series.

Also in this case, by carefully choosing the temperature range, it is possible to use optimised boxes with more compact dimensions.



# REQUEST FORM FOR CUSTOMISED ATEX JUNCTION BOXES

## DATA REQUIRED

CODE OF EMPTY PALAZZOLI BOX: \_\_\_\_\_

QUANTITY TO BE PRODUCED: \_\_\_\_\_

MAX AMBIENT TEMPERATURE (°C): \_\_\_\_\_

BRAND OF TERMINAL: \_\_\_\_\_

(if not expressly indicated, the terminals are the responsibility of Palazzoli)

INTERNAL COMPOSITION	TERMINAL RATED CROSS-SECTION (mm <sup>2</sup> )						
	2.5	4	6	10	16	25	35
NUMBER OF TERMINALS							
CURRENT PER TERMINAL (A)							

Indicate in the table the number of terminals and the current required for each terminal.

CABLE GLAND MATERIAL:    Insulating                       Brass

EXACT MAKE AND MODEL OF CABLE GLAND: \_\_\_\_\_

(if not expressly indicated, the cable glands are the responsibility of Palazzoli)

EXTERNAL COMPOSITION	CABLE GLAND THREAD						
	M12	M16	M20	M25	M32	M40	M50
NUMBER OF CABLE GLANDS							

Indicate in the table the number of cable glands and their positions on the four sides of the box as in the example below.

Example:



The form must be sent to [vendite@palazzoli.it](mailto:vendite@palazzoli.it)





## UNI-EX Zones 1, 2, 21, 22

### Cable glands and adaptors

Atex execution - Gas	II 2G - Ex eb IIC Gb
Atex execution - Dust	II 2D - Ex tb IIIC Db
Body material	(technopolymer cable glands) Polyamide body Neoprene gaskets  (brass cable glands) Nickel-plated brass body Neoprene gaskets  (cable glands for armoured cables) Nickel-plated brass body Graphite gasket  (adaptors) Galvanised steel
Surface treatment	Fluorozirconate passivation
Colour	Technopolymer cable gland RAL 9005 Jet black
Protection rating	IP66/IP68 (cable glands) IP66/IP67 - IP68 (adaptors)
Impact resistance	<10 <sup>9</sup> Ω (prevention of electrostatic charge accumulation)
Insulation class	I
Ambient operating temperature	(technopolymer cable glands) -20°C - +80°C (M12) -35°C - +95°C  (brass cable glands) -40°C - +100°C  (cable glands for armoured cables) -60°C - +80°C  (adaptors) -40°C - +150°C
Ambient storage temperature	-50°C - +90°C



#### DIRECTIVES

2014/34/EU (ATEX)

#### PRODUCT STANDARDS

IEC/EN 60079-0  
IEC/EN 60079-1  
IEC/EN 60079-7  
IEC/EN 60079-31  
ISO 965-1  
ISO 965-3



Cable glands with Pg pitch in technopolymer IP66/IP68

Pg	Max. mounting hole (mm)	Fastening diameter (mm)	Thread length (mm)	Palazzoli code	Pack Qty
9	16	3.5-8.5	8	<b>571009EX</b>	50
11	19	4-10.5	8	<b>571011EX</b>	50
13.5	21	5-12.5	9	<b>571013EX</b>	50
16	23	6.5-14	10	<b>571016EX</b>	50
21	29	8-18.5	11	<b>571021EX</b>	20
29	38	10-25	12	<b>571029EX</b>	20
36	48	24-34	15	<b>571036EX</b>	10
42	55	34-42	15	<b>571042EX</b>	5
48	61	40-48	15	<b>571048EX</b>	5



Cable glands with Pg pitch and long threading in technopolymer IP66/IP68

Pg	Max. mounting hole (mm)	Fastening diameter (mm)	Thread length (mm)	Palazzoli code	Pack Qty
9	16	3.5-5.5	15	<b>571109EX</b>	50
11	19	4-10.5	15	<b>571111EX</b>	50
13.5	21	5-12.5	15	<b>571113EX</b>	50
16	23	6.5-14	15	<b>571116EX</b>	50
21	29	8-18.5	15	<b>571121EX</b>	20
29	38	10-25	15	<b>571129EX</b>	20
36	48	24-34	18	<b>571136EX</b>	10
42	55	34-42	18	<b>571142EX</b>	5
48	61	40-48	18	<b>571148EX</b>	5



Locknuts in insulating material with Pg pitch

Pg	Palazzoli code	Pack Qty
7	<b>571207</b>	50
9	<b>571209</b>	50
11	<b>571211</b>	50
13.5	<b>571213</b>	50
16	<b>571216</b>	50
21	<b>571221</b>	25
29	<b>571229</b>	20
36	<b>571236</b>	10
42	<b>571242</b>	5
48	<b>571248</b>	5



## UNI-EX Zones 1, 2, 21, 22

### Cable glands and adaptors



Cable glands with metric pitch in technopolymer IP66/IP68

Threading	Max. mounting hole (mm)	Fastening diameter (mm)	Thread length (mm)	Palazzoli code	Pack Qty
M12x1,5	12.5	4-6.5	8	<b>581012EX</b>	50
M16x1.5	16.5	5-10	10	<b>581016EX</b>	50
M20x1.5	20.5	10-14	10	<b>581020EX</b>	50
M25x1.5	25.5	12-18	10	<b>581025EX</b>	20
M32x1.5	32.5	16-25	10	<b>581032EX</b>	20
M40x1.5	40.5	22-32	10	<b>581040EX</b>	20
M50x1.5	50.5	28-38.5	12	<b>581050EX</b>	10
M63x1.5	63.5	40-48	12	<b>581063EX</b>	5



Cable glands with metric pitch and long threading in technopolymer IP66/IP68

Threading	Max. mounting hole (mm)	Fastening diameter (mm)	Thread length (mm)	Palazzoli code	Pack Qty
M12x1,5	12.5	4-6.5	15	<b>581112EX</b>	50
M16x1.5	16.5	5-10	15	<b>581116EX</b>	50
M20x1.5	20.5	10-14	15	<b>581120EX</b>	50
M25x1.5	25.5	12-18	15	<b>581125EX</b>	20
M32x1.5	32.5	16-25	15	<b>581132EX</b>	20
M40x1.5	40.5	22-32	16	<b>581140EX</b>	20
M50x1.5	50.5	28-38.5	16	<b>581150EX</b>	10
M63x1.5	63.5	40-48	16	<b>581163EX</b>	5



Screwcaps with metric threading IP66/IP68

Threading	Max. mounting hole (mm)	Thread length (mm)	Palazzoli code	Pack Qty
M12x1,5	12.5	15	<b>581312EX</b>	1
M16x1.5	16.5	15	<b>581316EX</b>	1
M20x1.5	20.5	15	<b>58132EX0</b>	1
M25x1.5	25.5	15	<b>581325EX</b>	1
M32x1,5	32.5	15	<b>581332EX</b>	1
M40x1.5	40.5	15	<b>581340EX</b>	1
M50x1.5	50.5	15	<b>581350EX</b>	1
M63x1.5	63.5	15	<b>581363EX</b>	1



Metric pitch locknuts in technopolymer

Threading	Palazzoli code	Pack Qty
M12x1,5	<b>581212</b>	50
M16x1.5	<b>581216</b>	50
M20x1.5	<b>581220</b>	50
M25x1.5	<b>581225</b>	50
M32x1,5	<b>581232</b>	50
M40x1.5	<b>581240</b>	20
M50x1.5	<b>581250</b>	10
M63x1.5	<b>581263</b>	5



## UNI-EX Zones 1, 2, 21, 22

### Cable glands and adaptors



Cable glands in nickel-plated brass with metric threading IP66/IP68

Threading	Max. mounting hole (mm)	Fastening diameter (mm)	Thread length (mm)	Palazzoli code	Pack Qty
M12x1.5	12.5	4.5-6.5	15	<b>582112EX</b>	50
M16x1.5	16.5	5-9.5	15	<b>582116EX</b>	50
M20x1.5	20.5	8-13	15	<b>582120EX</b>	50
M25x1.5	25.5	9-16	15	<b>582125EX</b>	20
M32x1.5	32.5	12-21	15	<b>582132EX</b>	20
M40x1.5	40.5	16-27	15	<b>582140EX</b>	20
M50x1.5	50.5	23-35	15	<b>582150EX</b>	10
M63x1.5	63.5	36-48	15	<b>582163EX</b>	5



Gas/metric adaptors in galvanised steel for tube/box connections IP66/IP67

Male thread	Female thread	Palazzoli code	Pack Qty
3/8" Gas	M16x1.5	<b>580360EX</b>	1
1/2" Gas	M20x1.5	<b>580361EX</b>	1
3/4" Gas	M25x1.5	<b>580364EX</b>	1
1" Gas	M32x1.5	<b>580365EX</b>	1



Cable glands for armoured cables in nickel-plated brass with metric threading IP66/IP68

Threading	Max. mounting hole (mm)	Sheath outer diameter (mm)	Sheath inner diameter (mm)	Thread length (mm)	Palazzoli code	Pack Qty
M16	16.5	7-11.5	4-8	15	<b>580416EX</b>	1
M20	20.5	9-15.5	7-12	15	<b>580420EX</b>	1
M25	25.5	13-20	9.5-15.5	15	<b>580425EX</b>	1
M32	32.5	18-27	14-20.5	15	<b>580432EX</b>	1
M40	40.5	23-33.5	17-27	15	<b>580440EX</b>	1
M50	50.5	29-40.5	22-33.5	15	<b>580450EX</b>	1
M63	63.5	40-54	34-47.5	15	<b>580463EX</b>	1

**Notes:** earthing tab available on request.



Pg/metric adaptors in galvanised steel for tube/box connections IP68

Male thread	Female thread	Palazzoli code	Pack Qty
Pg21	M25x1.5	<b>580394EX</b>	1
Pg29	M32x1.5	<b>580395EX</b>	1
Pg36	M40x1.5	<b>580396EX</b>	1



Nickel-plated brass locknuts with metric pitch

Threading	Palazzoli code	Pack Qty
M12x1.5	<b>582212</b>	50
M16x1.5	<b>582216</b>	50
M20x1.5	<b>582220</b>	50
M25x1.5	<b>582225</b>	25
M32x1.5	<b>582232</b>	20
M40x1.5	<b>582240</b>	10
M50x1.5	<b>582250</b>	10
M63x1.5	<b>582263</b>	5



# TAIS-EX Zones 2, 21, 22

Rotary devices in antistatic thermosetting GRP

Atex execution - Gas	<b>II 3G -Ex ec nC IIC T4/ T5/T6 Gc</b>
Atex execution - Dust	<b>II 2D - Ex tb IIIC T 85°C...105°C Db</b>
Body material	<b>Palazzoli antistatic thermosetting GRP</b>
Colour	<b>RAL 9005 Jet black</b>
Protection rating	<b>IP66</b>
Surface resistance	<b>&lt;10<sup>9</sup> Ω</b> (prevention of electrostatic charge accumulation)
Resistance to abnormal heat and fire	<b>960°C</b>
Flammability class	<b>V-0</b>
Insulation class	<b>II</b>
Ambient operating temperature	<b>See table on page 243</b>
Ambient storage temperature	<b>-50°C - +80°C</b>
Rated current	<b>16A - 25A - 32A - 40A - 63A - 100A</b>
Operating voltage	<b>690V</b>
Insulation voltage	<b>690V</b>
Operating frequency	<b>50/60Hz</b>



## DIRECTIVES

2014/34/EU (ATEX)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

IEC/EN 60079-0  
IEC/EN 60079-7  
IEC/EN 60079-15  
IEC/EN 60079-31  
IEC/EN 60947-3  
IEC/EN 60947-1  
IEC/EN 63000

Rated operating current:		16A	25A	32A	40A	63A	100A	
Thermal current Ith	A	16	25	32	40	63	100	
	A	16	25	32	40	63	100	
AC-21A	230V	A	16	25	32	40	63	100
	400V							
	500V							
	690V							
AC-22A	230V	A	16	25	32	40	63	100
	400V							
	500V							
	690V							
AC-23A	110V	A	16	25	32	40	63	63
	230V							
	400V							
	500V							
	690V							
AC-23A	110V	kW	2.4	3.8	4.9	6.1	9.6	9.6
	230V		5.1	8.0	10.2	12.7	20.1	20.1
	400V		8.9	13.9	17.7	22.2	34.9	34.9
	500V		11.1	17.3	22.2	27.7	43.6	43.6
	690V		15.3	23.9	30.6	38.2	60.2	60.2

Wiring data:		16A	25A	32A	40A	63A	100A
Entry cable cross-section	mm <sup>2</sup>	1-10			6-35		
Tightening torque	Nm	2			3		



Wall-mounted isolator switches  
in thermosetting GRP  
IP66



Rated current (A)	Poles	Enclosure dimensions (mm)	Hole type	Palazzoli code	Pack Qty
16	2	125x185		<b>290162EX</b>	1
	3			<b>290163EX</b>	1
	4			<b>290164EX</b>	1
	2			<b>290252EX</b>	1
25	3	125x185		<b>290253EX</b>	1
	4			<b>290254EX</b>	1
32	3	125x185		<b>290323EX</b>	1
	4			<b>290324EX</b>	1
40	3	125x185		<b>290403EX</b>	1
	4			<b>290404EX</b>	1
63	3	125x185		<b>290633EX</b>	1
	4			<b>290634EX</b>	1
100	3	185x250		<b>290103EX*</b>	1
	4			<b>290104EX*</b>	1

**Equipment included:** technopolymer cable gland.

Earthing terminal inside the box.

**Features:** handle padlockable with 3 padlocks up to 8 mm.

\* handle padlockable in the "0" position with 2 padlocks



# CAMALUPRES-EX Zones 2, 21, 22

Rotary devices in aluminium alloy

Atex execution - Gas	II 3G -Ex ec nC IIC T4/T5/T6 Gc
Atex execution - Dust	II 2D - Ex tb IIIC T 80°C...105°C Db
Body material	Aluminium alloy
Colour	RAL 9005 Jet black
Protection rating	IP66
Insulation class	I
Ambient operating temperature	-35°C - +65°C (-40°C on request) See table on page 243
Ambient storage temperature	-50°C - +80°C
Rated current	16A - 25A - 32A - 40A - 63A - 100A
Operating voltage	690V
Insulation voltage	690V
Operating frequency	50/60Hz



## DIRECTIVES

2014/34/EU (ATEX)  
2011/65/EU  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

IEC/EN 60079-0  
IEC/EN60079-7  
IEC/EN 60079-15  
IEC/EN 60079-31  
IEC/EN 60947-3  
IEC/EN 60947-1  
IEC/EN 63000

Rated operating current:		16A	25A	32A	40A	63A	100A	
Thermal current I <sub>th</sub>	A	16	25	32	40	63	100	
AC-21A	230V	A	16	25	32	40	63	100
	400V							
	500V							
	690V							
AC-22A	230V	A	16	25	32	40	63	100
	400V							
	500V							
	690V							
AC-23A	110V	A	16	25	32	40	63	63
	230V							
	400V							
	500V							
AC-23A	690V	kW	2.4	3.8	4.9	6.1	9.6	9.6
	230V		5.1	8.0	10.2	12.7	20.1	20.1
	400V		8.9	13.9	17.7	22.2	34.9	34.9
	500V		11.1	17.3	22.2	27.7	43.6	43.6
	690V		15.3	23.9	30.6	38.2	60.2	60.2

## Wiring data:

	16A	25A	32A	40A	63A	100A
Entry cable cross-section	mm <sup>2</sup> 1-10			6-35		
Tightening torque	Nm 2			3		



Wall-mounted isolator switches  
in aluminium alloy  
IP66



Rated current (A)	Poles	Enclosure dimensions (mm)	Entry type	Palazzoli code	Pack Qty
	2			<b>270162EX</b>	1
16	3			<b>270163EX</b>	1
	4			<b>270164EX</b>	1
	2	125x185	M25	<b>270252EX</b>	1
25	3			<b>270253EX</b>	1
	4			<b>270254EX</b>	1
	3			<b>270323EX</b>	1
32	4			<b>270324EX</b>	1
	3			<b>270403EX</b>	1
40	4	125x185	M32	<b>270404EX</b>	1
	3			<b>270633EX</b>	1
63	4			<b>270634EX</b>	1
	3			<b>270103EX*</b>	1
100	4	185x250	M40	<b>270104EX*</b>	1

**Equipment included:** technopolymer cable gland.

Earthing terminal inside and outside the box.

**Features:** handle padlockable with 3 padlocks up to 8 mm.

\* handle padlockable in the "0" position with 2 padlocks



## TAISMIGNON-EX Zones 2, 22

Small devices in antistatic thermosetting GRP

Atex execution - Gas	II 3G - Ex nR IIC T6 Gc
Atex execution - Dust	II 3D - Ex tc IIIC T 70°C Dc
Body material	Palazzoli antistatic Thermosetting GRP
Colour	RAL 9005 Jet black
Protection rating	IP66
Surface resistance	<10 <sup>9</sup> Ω
Resistance to abnormal heat and fire	960°C
Flammability class	V-0
Insulation class	II
Ambient operating temperature	-20°C - +40°C
Ambient storage temperature	-50°C - +80°C



Wall-mounted isolator switches and two-way switches in thermosetting GRP IP66

Electrical scheme	Poles	Entry type	Rated current/voltage	Palazzoli code	Pack Qty
Switch	1P	M20	16A 250V~ / 10A 400V~	<b>202271EX</b>	1
Switch	2P	M20	16A 250V~ / 10A 400V~	<b>202282EX</b>	1
Two-way switch	1P	M20	16A 250V~ / 10A 400V~	<b>202276EX</b>	1
Selector switch	1P	M20	16A 250V~ / 10A 400V~	<b>202275EX</b>	1

**Equipment included:** technopolymer cable gland, M20 type.

**Features:** the lower entry is the predisposition for restricted breathing test.



Push-buttons for wall-mounted in thermosetting GRP IP66

Poles	Entry type	Rated current/voltage	Palazzoli code	Pack Qty
1 NO	M20	10A 400V~	<b>261435EX</b>	1
1 NC	M20	10A 400V~	<b>261445EX</b>	1
1 NO + 1NC (green - red)	M20	10A 400V~	<b>261432EX</b>	1
1 NO + 1 NC (black - red)	M20	10A 400V~	<b>261433EX</b>	1

**Equipment included:** technopolymer cable gland, M20 type.

**Features:** the lower entry is the predisposition for restricted breathing test.

## ALARM-EX Zones 2, 21, 22

Sirens and bells in aluminium alloy

Atex execution - Gas	II 3G - Ex nA IIC T3 Gc
Atex execution - Dust	II 2D - Ex tb IIIC T 65 °C Db
Body material	Aluminium alloy (body)
Colour	RAL 9005 Jet black (box) RAL 2011 Deep orange (cover)
Protection rating	IP66 according to IEC 60598-1
Corrosivity category	Equivalent to C4-M / C3-H
Insulation class	I
Ambient operating temperature	-20°C - +40°C
Ambient storage temperature	-50°C - +80°C
Operating voltage	24VAC - 230VAC
Operating frequency	50/60Hz
Operation	Continuous
Entry cable diameter	10 - 14 mm



Sirens in aluminium alloy with vibrating membrane 50/60Hz IP66

Rated voltage (V)	Sound level (dB)	Initial power (VA)	Vibrating power (VA)	Palazzoli code	Pack Qty
24	105	60	25	<b>900453EX</b>	1
110	105	60	25	<b>900463EX</b>	1
230	105	60	25	<b>900473EX</b>	1

**Equipment included:** M20 technopolymer cable gland.

Terminal block in insulating thermosetting GRP.

Earthing terminal inside and outside the box.



Directional horn for sirens

Max. diameter (mm)	Projection siren+horn (mm)	Palazzoli code	Pack Qty
112	238	<b>900449</b>	1

**Equipment included:** complete with stainless steel fixing screws.



# Infrastructure

Excellent electric performance, high mechanical standards and product reliability are the basis of the success of Palazzoli's lighting solutions for roads and tunnels. The TUNNEL54 system, consisting of flame resistant, smoke proof and rodent proof equipment, with FIRE PROOF mark, tested by internationally accredited laboratories. These tests guarantee operation at 400 °C for 120' and 830 °C for 120' in accordance with IEC 64-20 (Electrical installations in road tunnels) and IEC/EN 60331-1.





## Road tunnels

## Mountain tunnels

## Undergrounds



Junction boxes for lighting

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Sockets for fans

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# FASTBOX-T54

electrifies the Firenze - Pisa - Livorno motorway







# Marine

## DISTRIBUTION TURRETS



### B-SMART

Distribution turrets  
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## CONTAINER SOCKETS



### CONTAINERS

Fixed interlocked  
socket-outlets  
Page 288

## UNAV DEVICES



### UNAV

Boxes, socket-outlets,  
switches and two-way  
switches  
Page 292



# Infrastructure

## JUNCTION BOXES FOR LIGHTING



### FASTBOX-T54

Junction boxes  
with insulation-piercing  
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### ALUCASE-T54

Fire resistant junction boxes  
with terminal blocks  
Page 270



### FIREBOX-T54

Fire resistant boxes  
with terminal block  
E30 - E60 - E90  
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## SOCKET-OUTLETS FOR FANS



### ALUPRES-T54

Fire-resistant socket-outlets  
for fans up to 60 kW  
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### ALUPRES-T54

Fire-resistant socket-outlets  
for fans up to 120 kW  
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# FASTBOX-T54





# FASTBOX-T54

Junction boxes with insulation-piercing

## ADVANTAGES



it resists at 830 °C for 120'

TUNNEL54 boxes in aluminium alloy have been tested under severe temperature conditions in order to be used in emergency circuits of roadway tunnels.

In both the technopolymer and aluminium alloy versions the protection fuse can be replaced with maximum safety, as access to it does not require opening the box.




The three-blade perforating system avoids cutting and section reductions.

The pre-set screw guarantees the connection without the need of torque wrenches.







# FASTBOX-T54

Junction boxes with insulation-piercing



Body material	Aluminium alloy (emergency circuit boxes) Technopolymer (boxes for ordinary circuits)
Colour	RAL 5012 Light blue (box cover) RAL 7035 Light grey (box base)
Protection rating	IP66
Impact resistance	IK09
Resistance to abnormal heat and fire	960°C (ordinary circuit boxes)
Flammability class	V-0 (ordinary circuit boxes)
Insulation class	I and II
Ambient operating temperature	-40°C - +90°C
Ambient storage temperature	-50°C - +90°C
Fire resistance	830°C for 120' (boxes for emergency circuits)
Line cable cross-section	4 - 35 mm <sup>2</sup>
Fuse type	E14 – D01 (emergency circuit boxes) Cylindrical 5x20 (boxes for ordinary circuits)
Cable gland type	In nicked brass with metric ISO threading



### DIRECTIVES

2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

### PRODUCT STANDARDS

IEC 60331-1  
IEC/EN 60309-1  
IEC/EN 60309-2  
CEI 64-20



# FASTBOX-T54

Junction boxes with insulation-piercing



2P+  
230V

Junction boxes in reinforced insulation-piercing technopolymer for single-pole cables with socket-outlet for ordinary circuits IP66

Line cable cross-section (mm <sup>2</sup> )	Class	Outer dimensions (mm)	Protections	Palazzoli code	Pack Qty
4 - 16	II	164x242x135	-	<b>158201</b>	1
4 - 16	II	164x242x135	1 4A fuse (L)	<b>158211</b>	1

Notes: special configurations on request.



2xM20  
Ø 7÷13mm

Junction boxes in aluminium alloy with insulation-piercing for single-pole cables with 2 cable glands for emergency circuits, 830 °C 120' IP66

Line cable cross-section (mm <sup>2</sup> )	Class	Outer dimensions (mm)	Protections	Palazzoli code	Pack Qty
4-35	I	247x225x130	1 6A fuse (L)	<b>157012</b>	1
4-35	I	247x225x130	2 6A fuses (L+N)	<b>157112</b>	1
4-35	II	247x225x130	1 6A fuse (L)	<b>158012</b>	1
4-35	II	247x225x130	2 6A fuses (L+N)	<b>158112</b>	1

Notes: special configurations on request.



2P+  
230V

Junction boxes in aluminium alloy with insulation-piercing for single-pole cables with socket for emergency circuits, 830 °C 120' IP66

Line cable cross-section (mm <sup>2</sup> )	Class	Outer dimensions (mm)	Protections	Palazzoli code	Pack Qty
4-35	I	247x225x130	1 4A fuse (L)	<b>157001</b>	1
4-35	I	247x225x130	2 4A fuses (L+N)	<b>157101</b>	1
4-35	II	247x225x130	1 fuse 4A (L)	<b>158001</b>	1
4-35	II	247x225x130	2 4A fuses (L+N)	<b>158101</b>	1

Notes: special configurations on request.



Supports for insulation-piercing boxes in aluminium alloy

Manufacturing material	Palazzoli code	Pack Qty
AISI 304 stainless steel	<b>157050</b>	20
Galvanised and RAL 7035 painted steel	<b>157051</b>	20

Notes: suitable for channels with maximum height of 100 mm.



M20  
Ø 7÷13mm

Junction boxes in aluminium alloy with insulation-piercing for single-pole cables with cable gland for emergency circuits, 830 °C 120' IP66

Line cable cross-section (mm <sup>2</sup> )	Class	Outer dimensions (mm)	Protections	Palazzoli code	Pack Qty
4-35	I	247x225x130	1 4A fuse (L)	<b>157011</b>	1
4-35	I	247x225x130	2 4A fuses (L+N)	<b>157111</b>	1
4-35	II	247x225x130	1 fuse 4A (L)	<b>158011</b>	1
4-35	II	247x225x130	2 4A fuses (L+N)	<b>158111</b>	1

Notes: special configurations on request.



Screws for fixing the junction boxes in aluminium alloy to a bracket

Manufacturing material	Palazzoli code	Pack Qty
Stainless steel	<b>157060</b>	100



# ALUCASE-T54

Fire resistant junction boxes with terminal blocks

Body material	Aluminium alloy
Colour	RAL 5012 Light blue (box cover) RAL 7035 Light grey (box base)
Protection rating	IP66
Impact resistance	IK10
Corrosivity category	Equivalent to C3-H / C4-M
Resistance to abnormal heat and fire	960°C
Insulation class	I and II
Ambient operating temperature	-40°C - +90°C
Ambient storage temperature	-50°C - +90°C
Fire resistance	830°C for 120'
Line cable cross-section	4 - 70 mm <sup>2</sup>
Fuse type	E14 - D01
Cable gland type	In nicked brass with metric ISO threading



Junction boxes in aluminium alloy with terminal block for single-pole cables with cable gland for emergency circuits, 830 °C 120' IP66

Line cable cross-section (mm <sup>2</sup> )	Terminal poles per section (mm <sup>2</sup> )	Outer dimensions (mm)	Line cable glands (ømm)	Palazzoli code	Pack Qty
2x (1x4)-2x (1x6)	2x6	185x185x105	M16 (4-9,5)	<b>151011</b>	1
2x (1x10)-2x (1x16)	2x16	185x185x105	M20 (7-13)	<b>151022</b>	1
2x (1x25)-2x (1x35)	2x40	185x252x152	M25 (8-16)	<b>151034</b>	1
2x (1x50)-2x (1x70)	2x70	252x315x193	M32 (11-21)	<b>151045</b>	1

**Equipment included:** reduction inserts for cable glands. 1 4A fuse.  
**Notes:** special configurations on request.



Junction boxes in aluminium alloy with terminal block, for single-pole cables with socket for emergency circuits, 830 °C 120' IP66

Line cable cross-section (mm <sup>2</sup> )	Terminal poles per section (mm <sup>2</sup> )	Outer dimensions (mm)	Line cable glands (ømm)	Palazzoli code	Pack Qty
2x (1x4)-2x (1x6)	2x6	185x185x105	M16 (4-9,5)	<b>151311</b>	1
2x (1x10)-2x (1x16)	2x16	185x185x105	M20 (7-13)	<b>151322</b>	1
2x (1x25)-2x (1x35)	2x40	185x252x152	M25 (8-16)	<b>151334</b>	1
2x (1x50)-2x (1x70)	2x70	252x315x193	M32 (11-21)	<b>151345</b>	1

**Equipment included:** reduction inserts for cable glands. 1 4A fuse.  
**Notes:** special configurations on request.



## DIRECTIVES

2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

IEC 60331-1  
IEC/EN 60309-1  
IEC/EN 60309-2  
CEI 64-20



# ALUCASE-T54

Fire resistant junction boxes with terminal blocks



Junction boxes in aluminium alloy with terminal block for multi-pole cables with cable gland for emergency circuits 830 °C 120' IP66

M25  
Ø 8-16mm

Line cable cross-section (mm <sup>2</sup> )	Terminal poles per section (mm <sup>2</sup> )	Outer dimensions (mm)	Line cable glands (ømm)	Palazzoli code	Pack Qty
4x4 - 4x6	4x6	185x252x152	M32 (11-21)	<b>151241</b>	1
4x10	4x16	185x252x152	M32 (11-21)	<b>151242</b>	1
4x16	4x16	185x252x152	M40 (15-27)	<b>151252</b>	1
4x25 - 4x35	4x40	185x252x152	M40 (15-27)	<b>151264</b>	1
3x50+25 - 3x70+35	4x70	252x315x193	M50 (22-35)	<b>151275</b>	1
70	4x70	252x315x193	M63 (35-48)	<b>151285</b>	1

**Equipment included:** reduction inserts for cable glands. 1 4A fuse.  
**Notes:** special configurations on request.



Line junction boxes for power supply lines of tunnel light fixtures 830 °C 120' IP66

Line cable cross-section (mm <sup>2</sup> )	Terminal poles per section (mm <sup>2</sup> )	Outer dimensions (mm)	Line cable glands (ømm)	Palazzoli code	Pack Qty
4x4 - 4x6	4x6	252x185x152	M32 (11-21)	<b>151641</b>	1
4x10	4x16	252x185x152	M32 (11-21)	<b>151642</b>	1
4x16	4x16	252x185x152	M40 (15-27)	<b>151652</b>	1
4x25 - 4x35	4x40	252x185x152	M40 (15-27)	<b>151664</b>	1
3x50+25 - 3x70+35	4x70	315x252x193	M50 (22-35)	<b>151675</b>	1
70	4x70	315x252x193	M63 (35-48)	<b>151685</b>	1

**Notes:** special configurations on request.



2P+  
230V

Junction boxes in aluminium alloy with terminal block, for multi-pole cables with socket for emergency circuits, 830 °C 120' IP66

Line cable cross-section (mm <sup>2</sup> )	Terminal poles per section (mm <sup>2</sup> )	Outer dimensions (mm)	Line cable glands (ømm)	Palazzoli code	Pack Qty
4x4 - 4x6	4x6	185x252x152	M32 (11-21)	<b>151441</b>	1
4x10	4x16	185x252x152	M32 (11-21)	<b>151442</b>	1
4x16	4x16	185x252x152	M40 (15-27)	<b>151452</b>	1
4x25 - 4x35	4x40	185x252x152	M40 (15-27)	<b>151464</b>	1
3x50+25 - 3x70+35	4x70	252x315x193	M50 (22-35)	<b>151475</b>	1
70	4x70	252x315x193	M63 (35-48)	<b>151485</b>	1

**Equipment included:** reduction inserts for cable glands. 1 4A fuse.  
**Notes:** special configurations on request.



Supports for the installation of junction boxes

Manufacturing material	For box dimensions	Palazzoli code	Pack Qty
AISI 304 stainless steel	185x185 - 252x185	<b>151901</b>	10
AISI 304 stainless steel	185x252 - 315x252	<b>151902</b>	10
AISI 304 stainless steel	252x315	<b>151903</b>	10

**Equipment included:** screws for fixing the boxes.



# FIREBOX-T54

Fire resistant boxes with terminal block E30 - E60 - E90



Body material	Steel Technopolymer Halogen free
Surface finish	Painted (steel)
Colour	RAL2003 Pastel orange
Protection rating	IP66 (steel) IP56 (technopolymer)
Impact resistance	IK10 (steel) IK08 (technopolymer)
Resistance to abnormal heat and fire	650°C (technopolymer)
Insulation class	I (steel) II (technopolymer)
Ambient operating temperature	-40°C - +70°C (steel) -25°C - +50°C (technopolymer)
Ambient storage temperature	-50°C - +90°C (steel) -30°C - +70°C (technopolymer)
Insulation voltage	690V
Line cable cross-section	4 - 35 mm <sup>2</sup> (steel) 4 - 25 mm <sup>2</sup> (technopolymer)
Functional maintenance	830°C 120' IEC 60331-1 E30 - E60 - E90 DIN 4102 -12



## DIRECTIVES

2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

IEC/EN 60670-1  
IEC 60331-1  
DIN 4102-12  
EN 60670-22



# FIREBOX-T54

Fire resistant boxes with terminal block E30 - E60 - E90



Fire-resistant junction boxes with terminal block in technopolymer  
830 °C 120' / 1000 °C 90'  
IP56

Outer dimensions (mm)	No. of poles for section (mm <sup>2</sup> )	Hole type	Palazzoli code	Pack Qty
160x120x75	3x6		<b>151735</b>	1
160x120x75	5x6		<b>151755</b>	1
200x155x75	3x16		<b>151731</b>	1
200x155x75	5x16		<b>151751</b>	1
250x185x130	3x35		<b>151733</b>	1
250x185x130	5x35		<b>151753</b>	1

**Equipment included:** 4 cable grommets.  
**Features:** blind walls with M20, M25, M32, M40 knock-out opening.



Fire-resistant junction boxes with terminal block and fuse in technopolymer  
830 °C 120' / 1000 °C 90'  
IP56

Outer dimensions (mm)	No. of poles for section (mm <sup>2</sup> )	Hole type	Palazzoli code	Pack Qty
200x155x75	3x6		<b>151835</b>	1
200x155x75	5x6		<b>151855</b>	1
250x185x130	3x16		<b>151831</b>	1
250x185x130	5x16		<b>151851</b>	1

**Equipment included:** 4 cable grommets, 1 4A fuse.  
**Features:** blind walls with M20, M25, M32, M40 knock-out opening.

**Technical accessories:**



Fire-resistant junction boxes with terminal block in steel  
830 °C 120' / 1000 °C 90'  
IP66

Outer dimensions (mm)	No. of poles for section (mm <sup>2</sup> )	Hole type	Palazzoli code	Pack Qty
150x150x90	5x6		<b>151355</b>	1
250x250x130	5x16		<b>151351</b>	1
250x250x130	5x35		<b>151353</b>	1

**Equipment included:** 4 cable grommets.  
**Features:** wall inlet holes.

**Technical accessories:**





# ALUPRES-T54





# ALUPRES-T54

Fire-resistant socket-outlets for fans up to 60 kW

## ADVANTAGES



1

The socket-outlet body is made of EN 1706 AC-44300 marine aluminium alloy to guarantee its operation at 400 °C per 120 minutes.

The isolator switch contacts are with double breakers with Silver-Nickel alloy pads on nickel-plated brass bars. The drive shaft is of the monolithic through-bar type, which allows the direct simultaneous operation of the movement cams, without interposed mechanical transmissions.



2

The socket-outlet insert has a silver-plated, multi-lamellar copper-beryllium crown which ensures: a larger socket-pin contact surface, easy extraction of the plugs from the socket-outlets, perfect cleaning of the pin and and a solid, long-lasting electrical contact.



3

The plug's cable entry is realised by means of a nickel-plated brass cable gland with radial clamping, sized to accommodate three-pole cables, type FTG18 0 M16, with a cross-section of up to 25mm<sup>2</sup>.



4

PUBLIC  
TUNNELS  
MARINE



# ALUPRES-T54

Fire-resistant socket-outlets for fans up to 60 kW

Body material	Marine aluminium alloy
Surface treatment	Fluorozirconate passivation
Surface finish	Hot-polymerised non-toxic polyester
Colour	RAL 5012 Light blue (box cover) RAL 7035 Light grey (box base)
Protection rating	IP66
Impact resistance	IK10
Resistance to abnormal heat and fire	960°C
Insulation class	I
Ambient operating temperature	-40°C - +90°C
Ambient storage temperature	-50°C - +90°C
Operating temperature resistance	400°C for 120'
Rated current	63A - 125A
Operating voltage	400V - 690V
Insulation voltage	690V
Operating frequency	50/60Hz



## DIRECTIVES

2014/30/EU (EMC)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

IEC/EN 60309-1  
IEC/EN 60309-2  
CEI 64-20



Interlocked socket-outlets for fans up to 60kW for single-pole cables with mobile plug 400 °C 120' 50/60Hz IP66

Rated current (A)	Rated operating voltage	Poles	Auxiliary contact (AUX)	Palazzoli code	Pack Qty
63	380-415V	3P+≐	1 NO	<b>151611</b>	1
	600-690V	3P+≐	1 NO	<b>151612</b>	1

**Equipment included:** 1 63A 3P+≐ IP67 plug in aluminium alloy.  
External earthing terminal, 3 brass cable glands

**Features:** padlockable handle.

**Notes:** special configurations on request.



Interlocked socket-outlets for fans up to 60kW for multi-pole cables with mobile plug 400 °C 120' 50/60Hz IP66

Rated current (A)	Rated operating voltage	Poles	Auxiliary contact (AUX)	Palazzoli code	Pack Qty
63	380-415V	3P+≐	1 NO	<b>151613</b>	1
	600-690V	3P+≐	1 NO	<b>151614</b>	1

**Equipment included:** 1 63A 3P+≐ IP67 plug in aluminium alloy.  
External earthing terminal, 1 brass cable gland

**Features:** padlockable handle.

**Notes:** special configurations on request.



# ALUPRES-T54

Fire-resistant socket-outlets for fans up to 60 kW



Reducers for large-section single-pole cables  
400 °C 120' / 830 °C 120'  
IP66

M40  
Ø 15÷27mm

Line cable cross-section (mm <sup>2</sup> )	Terminal poles per section (mm <sup>2</sup> )	Outer dimensions (mm)	Line cable glands (ømm)	Palazzoli code	Pack Qty
from 50 to 70	3x70	185x252x152	M32 (11-21)	<b>151533</b>	1
from 95 to 120	3x125	252x315x193	M40 (15-27)	<b>151534</b>	1
from 150 to 185	3x200	315x315x193	M40 (15-27)	<b>151535</b>	1

**Features:** provision for internal and external earth connection.  
M40 exit for 3x25mm<sup>2</sup> or 3x16mm<sup>2</sup> cables.

**Notes:** special configurations on request.



Reducers for large-section single-pole cables  
400 °C 120' / 850 °C 90'  
IP66

Applications	Palazzoli code	Pack Qty
wall mounting with bracket	<b>151541</b>	1



Reducers for large-section multi-pole cables  
400 °C 120' / 830 °C 120'  
IP66

M40  
Ø 15÷27mm

Line cable cross-section (mm <sup>2</sup> )	Terminal poles per section (mm <sup>2</sup> )	Outer dimensions (mm)	Line cable glands (ømm)	Palazzoli code	Pack Qty
50	3x70	185x252x152	M50 (22-35)	<b>151531</b>	1
70	3x70	185x252x152	M63 (35-48)	<b>151532</b>	1

**Features:** provision for internal and external earth connection.  
M40 exit for 3x25mm<sup>2</sup> or 3x16mm<sup>2</sup> cables.

**Notes:** special configurations on request.



Reducers for large-section multi-pole cables  
400 °C 120' / 850 °C 90'  
IP66

Applications	Palazzoli code	Pack Qty
for channel L 200mm	<b>151542</b>	1
for channel L 300mm	<b>151543</b>	1



Kit of screws in AISI 304 stainless steel for fixing socket-outlets for fans to the channel support strut

Applications	Palazzoli code	Pack Qty
fixing on channel rod	<b>151544</b>	1



# ALUPRES-T54

Fire-resistant socket-outlets for fans up to 120 kW



Interlocked socket-outlets for fans up to 120 kW in flange-ready enclosure 400 °C 120' 50/60Hz IP66

Rated current (A)	Rated operating voltage	Poles	Palazzoli code	Pack Qty
63	400-690V	3P+⊕	<b>151880</b>	1
125	400-690V	3P+⊕	<b>151881</b>	1

Notes: special configurations on request.



Straight mobile plugs for fans up to 120 kW 400 °C 120' 50/60Hz IP66

M32  
Ø 11÷21mm

Rated current (A)	Rated operating voltage	Poles	Entry type	Palazzoli code	Pack Qty
63	400-690V	3P+⊕	M32	<b>151890</b>	1
125	400-690V	3P+⊕	M50	<b>151891</b>	1



Supports for ceiling mounting of socket-outlets for fans up to 120 kW

Manufacturing material	Palazzoli code	Pack Qty
AISI 304 stainless steel	<b>151900</b>	1

Features: complete with adjustable support for ceiling, 50x30mm profile and socket fixing screws.



Flanges in aluminium alloy for multi-pole cables with brass cable gland 400 °C 120' / 830 °C 120' IP66

Line cable glands	Tightening diameter (mm)	Palazzoli code	Pack Qty
M32	11-21	<b>151930</b>	1
M40	15-27	<b>151931</b>	1
M50	22-35	<b>151932</b>	1
M63	35-48	<b>151933</b>	1



Flanges in aluminium alloy for single-pole cables with brass cable gland 400 °C 120' / 830 °C 120' IP66

Line cable glands	Tightening diameter (mm)	Palazzoli code	Pack Qty
3 x M25	8-16	<b>151940</b>	1
3 x M32	11-21	<b>151941</b>	1
3 x M40	15-27	<b>151942</b>	1



Line junction boxes for power supply lines for tunnel fans 400 °C 120' / 830 °C 120' IP66

Line cable cross-section (mm²)	Terminal poles per section (mm²)	Outer dimensions (mm)	Line cable glands (ømm)	Palazzoli code	Pack Qty
3x10					
3x16	3x25	185x185x105	M40 (15-27)	<b>151553</b>	1
3x25					
3x35	3x40	252x185x152	M40 (15-27)	<b>151564</b>	1
3x50	3x70	252x185x152	M50 (22-35)	<b>151575</b>	1
3x70	3x70	252x185x152	M63 (35-48)	<b>151585</b>	1

Notes: special configurations on request.

# ALUPRES-T54

electrifies the 13 tunnels of the Quadrilatero





# Marine

Thanks to the knowledge acquired in more than one hundred years of experience on military ships and submarines, oil platforms and cruise ships, Palazzoli is now able to offer a series of products whose technology meets all the requirements of the sector.

Distribution turrets are available in AISI 316L stainless steel to withstand contact with brackish water.

The socket-outlets for supplying power to containers are equipped with a 10 kA rated current switch-disconnector.

All equipment is strictly watertight and complies with UNAV naval unification tables.







Ports

Ships

Aircraft carriers



# B-SMART





## B-SMART

Distribution turrets

### ADVANTAGES



AISI 316L stainless steel can be installed in any environment. The mechanical structure, the thicknesses used and the compact dimensions make it solid and resistant to impact, whether accidental or vandalic,

Each turret is equipped with a unique multifunctional, energy-saving lighting device.

This device makes the socket-outlets visible by radiating light on their profile, at the same time illuminating the walkway through the unbreakable opal polycarbonate porthole.



Each socket-outlet is individually protected by a high-sensitivity MCB to prevent the tripping occurring in a boat from cutting off power to other boats.

The clean, linear and elegant design in terms of shape and colour ensures perfect integration into the environment. Each turret is equipped with a double safety lock and a gasket that prevents insects and dust from penetrating into the interior compartments while maintaining its cleanliness and elegance.





## B-SMART

Distribution turrets



Body material	AISI 316L stainless steel
Colour	RAL 7035 Light grey (body)
Protection rating	IP56
Impact resistance	IK10
Corrosivity category	Equivalent to C5
Insulation class	II
Ambient operating temperature	-25°C - +50°C
Ambient storage temperature	-30°C - +70°C
Rated current	16A - 32A - 63A
Operating voltage	400V - 690V
Insulation voltage	690V
Operating frequency	50/60Hz
Lamp	Fluorescent 11W 230V
Power terminal block	3P+N+ $\neq$ 35 mm <sup>2</sup>
Lamp holder	Type E27



### DIRECTIVES

2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

### PRODUCT STANDARDS

IEC/EN 61439-1  
IEC/EN 61439-3  
IEC/EN 61439-7  
IEC/EN 63000



## B-SMART

### Distribution turrets



Turrets for wharfs  
in AISI 316L stainless steel  
with 2 fixed socket-outlets and 2 taps  
50/60Hz IP56

Dimensions (mm)	Industrial socket-outlets		No. of taps	Palazzoli code	Pack Qty
	16A 2P+≍ 230V	32A 2P+≍ 230V			
360x895x208	2		2	<b>576100</b>	1
	1	1	2	<b>576101</b>	1

**Features:** switch compartment door with triangular safety lock. Cable strain relief device. Suitable for fastening onto concrete using max. M10 threaded pins (not included).



Turrets for wharfs  
in AISI 316L stainless steel  
with 4 interlocked socket-outlets and 4 taps  
50/60Hz IP56

Dimensions (mm)	Industrial interlocked socket-outlets				No. of taps	Palazzoli code	Pack Qty
	16A 2P+≍ 230V	16A 3P+≍ 400V	16A 3P+N+≍ 400V	32A 2P+≍ 230V			
360x895x276	4				4	<b>576200</b>	1
					4	<b>576201</b>	1
	2	2			4	<b>576202</b>	1
	2		2		4	<b>576203</b>	1
	2		2		4	<b>576205</b>	1
	2	1			4	<b>576206</b>	1

**Features:** switch compartment door with triangular safety lock. Cable strain relief device. Suitable for fastening onto concrete using max. M10 threaded pins (not included).



Turrets for wharfs  
in AISI 316L stainless steel  
with 2 interlocked socket-outlets and 2 taps  
50/60Hz IP56

Dimensions (mm)	Industrial interlocked socket-outlets				No. of taps	Palazzoli code	Pack Qty
	16A 2P+≍ 230V	32A 2P+≍ 230V	32A 3P+N+≍ 400V	63A 3P+N+≍ 400V			
360x895x208	2				2	<b>576110</b>	1
	1	1			2	<b>576111</b>	1
360x895x276					2	<b>576112</b>	1
			1	1	2	<b>576113</b>	1

**Features:** switch compartment door with triangular safety lock. Cable strain relief device. Suitable for fastening onto concrete using max. M10 threaded pins (not included).



Turret for wharf end  
in AISI 316L stainless steel  
IP56

No. of EN50022 modules	Dimensions (mm)	Palazzoli code	Pack Qty
36 (12x3)	360x895x276	<b>576800</b>	1

**Features:** the protection devices can be mounted on EN60715 rail in 3 separate watertight insulating enclosures. The input and output of the power supply lines can be made from below. Suitable for fastening onto concrete using max. M10 threaded pins (not included).





## B-SMART

### Distribution turrets



Turrets for campsites  
in AISI 316L stainless steel  
with 4 fixed socket-outlets  
50/60Hz IP56

Dimensions (mm)	Industrial socket-outlets 16A 2P+ $\neq$ 230V	Palazzoli code	Pack Qty
360x895x276	4	<b>576401</b>	1

**Features:** switch compartment door with triangular safety lock. Cable strain relief device. Suitable for fastening onto concrete using max. M10 threaded pins (not included).



Fire prevention turret  
in AISI 316L stainless steel  
for an extinguisher  
IP56

Housable extinguisher	Dimensions (mm)	Palazzoli code	Pack Qty
1 Fire extinguisher of 6 or 9 Kg	360x895x276	<b>576600</b>	1

**Features:** patented "SAFE CRASH" flat breakable glass  
Suitable for fastening onto concrete using max. M10 threaded pins (not included).  
**Notes:** Fire extinguisher not supplied.



Turrets for campsites  
in AISI 316L stainless steel  
with 4 interlocked socket-outlets  
50/60Hz IP56

Dimensions (mm)	Interlocked industrial socket-outlets 16A 2P+ $\neq$ 230V	Palazzoli code	Pack Qty
360x895x276	4	<b>576400</b>	1

**Features:** switch compartment door with triangular safety lock. Cable strain relief device. Suitable for fastening onto concrete using max. M10 threaded pins (not included).



Fire prevention turret  
in AISI 316L stainless steel  
with fire hose and nozzle  
IP56

Equipment	Dimensions (mm)	Palazzoli code	Pack Qty
fire hose and nozzle	360x895x276	<b>576601</b>	1

**Features:** fire hose type 'gomel', Ø 45mm, 20 m. Lance type AWG UNI45 with 3 effects, complete with 1"1/2 UNI45 brass tap. Features: patented "SAFE CRASH" flat breakable glass  
Suitable for fastening onto concrete using max. M10 threaded pins (not included).



## B-SMART

### Distribution turrets



Raising base for turrets

For turret dimensions type	Application	Material	Palazzoli code	Pack Qty
360x895x208	Raising 65 mm and floor flush-mounted	stainless steel	<b>575701</b>	1
360x895x276			<b>575702</b>	1



SAFE CRASH breakable glass for fire prevention turrets

Description	Palazzoli code	Pack Qty
patented "SAFE CRASH" flat breakable glass	<b>575706</b>	1



Decorative and containment frame in AISI 316L stainless steel for B-SMART turrets

Description	For turret dimensions type	Palazzoli code	Pack Qty
stainless steel frame complete with fixing screws	360x895x208	<b>575711</b>	1
stainless steel frame complete with fixing screws	360x895x276	<b>575710</b>	1



Door lock kit for pier and campsite turrets

Description	Palazzoli code	Pack Qty
kit with 2 unified code keys	<b>575708</b>	1



# CONTAINERS

## Fixed interlocked socket-outlets

Protection rating	Thermosetting GRP page 104 Aluminium page 126 Technopolymer page 78
Ambient operating temperature	Thermosetting GRP page 104 Aluminium page 126 Technopolymer page 78
Ambient storage temperature	Thermosetting GRP page 104 Aluminium page 126 Technopolymer page 78
Rated current	32A 3P+≐ 3h
Operating voltage	380/440V
Insulation voltage	690V
Operating frequency	50/60Hz



### DIRECTIVES

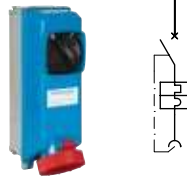
2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

### PRODUCT STANDARDS

IEC/EN 60309-1  
IEC/EN 60309-2  
IEC/EN 60309-4  
IEC/EN 63000

Electrical ratings of the switch			32A
Thermal current Ith		A	32
AC-21A	400V	A	32
AC-22A	400V	A	32
AC-23A	400V	A	32
AC-23A	400V	kW	17.7
AC-3	400V	kW	17.7

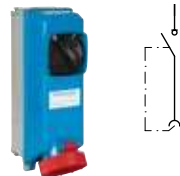
M32 ENTRY



Wall-mounted interlocked socket-outlet in thermosetting GRP with MCB protection 50/60Hz IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
32	380/440	●	3P+≐	3	<b>474771</b>	1

M25 ENTRY



Wall-mounted interlocked socket-outlet in thermosetting GRP 50/60Hz IP66/IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
32	380/440	●	3P+≐	3	<b>469233</b>	1

M32 ENTRY



Wall-mounted interlocked socket-outlet in thermosetting GRP and DIN rail 50/60Hz IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
32	380/440	●	3P+≐	3	<b>472133</b>	1

**Technical accessories:**





# CONTAINERS

## Fixed interlocked socket-outlets

WINDOW F1



Wall-mounted interlocked socket-outlet in aluminium alloy with MCB protection 50/60Hz IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
32	380/440	●	3P+⊕	3	<b>474486</b>	1



Technopolymer interlocked socket-outlet for distribution boards 50/60Hz IP66/IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
32	380/440	●	3P+⊕	3	<b>491233</b>	1

Technical accessories:



WINDOW F1



Wall-mounted interlocked socket-outlet in aluminium alloy 50/60Hz IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
32	380/440	●	3P+⊕	3	<b>460233</b>	1



15° angled technopolymer fixed flush-mounted socket-outlet for distribution board 50/60Hz IP66/IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Dimensions (mm)	Poles	h ref.	Palazzoli code	Pack Qty
32	380/440	●	88x100	3P+⊕	3	<b>489233</b>	1

Technical accessories:



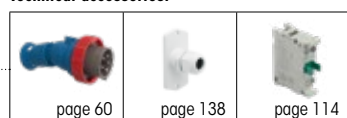
WINDOW F1



Wall-mounted interlocked socket-outlet in aluminium alloy and DIN rail 50/60Hz IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
32	380/440	●	3P+⊕	3	<b>472735</b>	1

Technical accessories:





# CONTAINERS

## Fixed interlocked socket-outlets



Straight panel-mounted sockets  
50/60Hz  
IP66/IP67/IP68/IP69

Rated current (A)	Rated voltage (V)	Voltage colour	Dimensions (mm)	Poles	h ref.	Palazzoli code	Pack Qty
32	380/440	●	65x83	3P+⊕	3	<b>772233</b>	1

Technical accessories:



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Panel-mounted straight rotoswitches  
safety performance  
50/60Hz IP66/IP67/IP69

Rated current (A)	Rated voltage (V)	Voltage colour	Dimensions (mm)	Poles	h ref.	Palazzoli code	Pack Qty
32	380/440	●	65x83	3P+⊕	3	<b>412233</b>	1

Technical accessories:



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page 101



Straight mobile socket-outlets  
50/60Hz  
IP66/IP67/IP68/IP69

Rated current (A)	Rated voltage (V)	Voltage colour	Dimensions (mm)	Poles	h ref.	Palazzoli code	Pack Qty
32	380/440	●	88x100	3P+⊕	3	<b>770233</b>	1



Straight mobile plugs  
50/60Hz  
IP66/IP67/IP68/IP69

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
32	380/440	●	3P+⊕	3	<b>760233</b>	1

Technical accessories:



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# COINTAINER

electrifies Dubai's Jebel Ali commercial hub







## UNAV

Boxes, sockets, switches and two-way switches

Body material	<b>Brass</b>
Colour	<b>RAL 7035 Light grey</b>
Protection rating	<b>IP66</b>
Impact resistance	<b>IK10</b>
Corrosivity category	<b>Equivalent to C2-H / C3-M</b>
Insulation class	<b>I</b>
Ambient operating temperature	<b>-25°C - +50°C</b>
Ambient storage temperature	<b>-30°C - +70°C</b>
Rated current	<b>10A - 16A</b>
Operating voltage	<b>230V</b>
Insulation voltage	<b>230V</b>
Operating frequency	<b>50/60Hz</b>



UNAV 2161 boxes  
in marine grey painted brass  
with terminal block and cable gland  
UNAV 1948 IP66

Inner diameter (mm)	Terminal type	No. of cable glands	Palazzoli code	Pack Qty
62	4x6 mm <sup>2</sup>	2 opposites + 2 caps	<b>115628</b>	1

**Equipment included:** brass cable glands N24x1.5. Earth screws inside and outside the box  
**Features:** terminal block with cage terminals.



UNAV 2166 socket-outlets  
in marine grey painted brass  
with UNAV 1948 cable glands  
50/60Hz IP66

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	230	<span style="color: blue;">●</span>	2P+⊕	6	<b>478213</b>	1

**Equipment included:** brass cable gland M24x1.5.  
**Features:** contact holder insert in self-extinguishing thermosetting GRP.

**Technical accessories:**



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## DIRECTIVES

2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

IEC/EN 60309-1  
IEC/EN 60309-2  
IEC/EN 63000



## UNAV

Boxes, sockets, switches and two-way switches



UNAV 1435 socket-outlets  
in marine grey painted brass  
with terminal block and cable glands  
UNAV 1948 50/60Hz IP66

Rated current (A)	Rated voltage	Poles	No. of cable glands	Palazzoli code	Pack Qty
10	24V~	2P+⊕	1	<b>461121</b>	1
	127V~	2P+⊕	1	<b>461151</b>	1
	230V~	2P+⊕	1	<b>461131</b>	1

**Equipment included:** brass cable gland M24x1.5. Earth screws inside and outside the box.



UNAV 1436 interlocked socket-outlets  
in marine grey painted brass  
with UNAV 1436 cable glands  
50/60Hz IP56

Rated current (A)	Rated voltage (V)	Poles	No. of cable glands	Palazzoli code	Pack Qty
10	230	2P+⊕	1	<b>462131</b>	1

**Equipment included:** brass cable glands N24x1.5. Earth screws inside and outside the box.



UNAV 1437 mobile plugs  
with rubber sleeve and ring  
50/60Hz IP56

Rated current (A)	Rated voltage	Poles	Palazzoli code	Pack Qty
10	24V~	2P+⊕	<b>467021</b>	10
	127V~	2P+⊕	<b>467051</b>	10
	230V~	2P+⊕	<b>467031</b>	10



UNAV 2162 rotary switches  
in marine grey painted brass  
with UNAV 1948 cable glands  
250V IP66

Rated current (A)	Poles	No. of cable glands	Palazzoli code	Pack Qty
10	2	2 combined	<b>232627</b>	1
	2	2 opposite	<b>232637</b>	1

**Equipment included:** brass cable glands N24x1.5. Earth screws inside and outside the box.



UNAV 2162 rotary two-way switch  
in marine grey painted brass  
with UNAV 1948 cable glands  
250V IP66

Rated current (A)	Poles	No. of cable glands	Palazzoli code	Pack Qty
10	2	2 combined	<b>232628</b>	1

**Equipment included:** brass cable glands N24x1.5. Earth screws inside and outside the box.



Brass cable gland  
UNAV 1062 type

Threading	Palazzoli code	Pack Qty
M24x1.5	<b>585480</b>	10



Brass screw cap  
with gaskets

Threading	Palazzoli code	Pack Qty
M24x1.5	<b>585490</b>	10



Washers  
with seals

Manufacturing material	Diameter (mm)	Palazzoli code	Pack Qty
brass	10	<b>585408</b>	10
	13	<b>585412</b>	10
	16	<b>585415</b>	10

# Lighting

Palazzoli provides customers with a range of solutions specifically designed to meet the needs of the most complex fields of application.



## Industry



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INDUSTRIAL INTERIORS  
OUTDOOR AREAS  
SPORTS FACILITIES  
WAREHOUSES  
HANGARS  
SHOPPING CENTRES

## Atex



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ZONE 1  
ZONE 2  
ZONE 21  
ZONE 22



## Infrastructure



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TUNNELS  
MOTORWAYS  
ROADS  
ROUNDBABOUTS

## Marine



Page 415

CRUISE SHIPS  
MILITARY SHIPS  
FERRIES  
CARGO SHIPS  
OFFSHORE PLATFORMS  
SUBMARINES









# Industry

Industrial plants, storage warehouses, sports and commercial centres and the food sectors are the fields of application for which Palazzoli has designed products with high lighting performance, great ease of installation and total absence of maintenance.

Thanks to the many mounting accessories available, the light fixtures can be installed in any environment, both indoors and outdoors.





Industrial interiors

Outdoor areas

Sports facilities



Industrial plants, storage warehouses, sports and commercial centres, and the food sectors are a field of application for which Palazzoli has designed products with high lighting performance, energy saving, extreme ease of installation and total absence of maintenance.





Warehouses

Hangars

Shopping centres



Floodlights

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Light fixtures

Page 319

Pendant light fixtures

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Control systems

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Traditional

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# TIGUA

lights up the Maranello swimming pool







# Floodlights



## **TIGUA**

5830 lm to 22900 lm  
Page 305



## **XTIGUA**

31390 lm to 118460 lm  
Page 311



## **META**

9190 lm to 18390 lm  
Page 317

# TIGUA

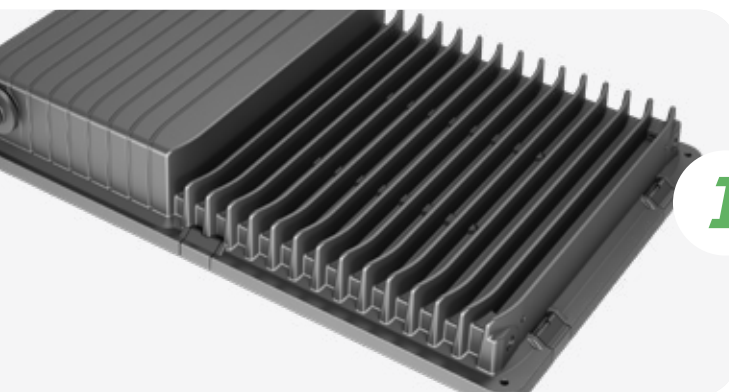




## TIGUA floodlight

4,000 K - 230,000 h

### ADVANTAGES



The body is made of EN 44300 aluminium alloy with low copper content, with passivation treatment and painting that make it suitable for harsh environments, corrosion class C5-M / C4-H.

This range of optics consists of 2 symmetrical beams, 4 asymmetrical beams and 1 suited to roadway; this makes it suitable for all kinds of installations, while guaranteeing optimum visual comfort. Optics are made with PMMA lenses, which ensure chromatic stability of light over time thanks to the non-yellowing characteristics of the material.

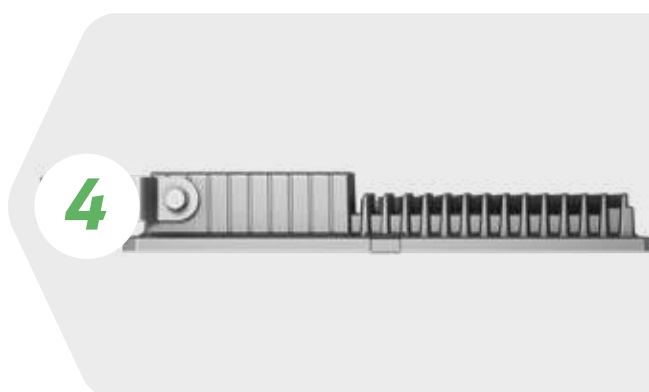


TIGUA's long service life is guaranteed by high-level electronic components, exclusive thermal management system, X-ray inspection of LED welds, 100% testing with 24-hour burn-in cycles, and Gore-Tex® anti-condensation breathing valve.



The TIGUA is a very powerful light fixture, while being compact and easy to handle: 6.5 kg only.

The device features a connector that enables a quick connection to the power grid, with no need to open the device.







# TIGUA floodlight

4,000 K - 230,000 h



**7**

## YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



## DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)  
2009/125/EC (ErP)  
EU Reg. 2019/2020 (EcoDesign)

## PRODUCT STANDARDS

EN 55015  
EN 60598-1  
EN 60598-2-1  
EN 60598-2-5  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 62471  
IEC/TR 62778  
EN 63000

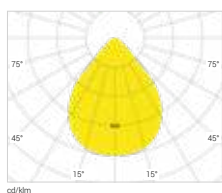
Body material	Low-copper aluminium alloy (EN 44300)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	Grey RAL 7011
Diffuser material	Extra clear tempered glass
Protection rating	IP66
Impact resistance	IK08
Corrosivity category	Equivalent to C5-M / C4-H
Mounting system	U bracket with adjustment range of -135° to 135°
Ambient operating temperature	-30°C - +40°C
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 131 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing, UV-resistant PMMA lenses with >90% efficiency and >95% transparency
Colour rendering index values	CRI ≥ 70 according to EN 62717
Colour consistency	MacAdam 4-step
Photobiological risk	RGO - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L90 B10 110,000h Tq= +40°C L90 B10 230,000h Tq= +25°C
Insulation class	I
Supply voltage	200-240V 0/50/60Hz
Surge protection	8 kV common mode 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Quick connector
Max. conductor cross-section	2.5 mm <sup>2</sup>
Entry cable diameter	7 - 13 mm

**Special versions with operating temperatures up to +55 °C and colour temperatures from 3000K to 6500K can be made.**



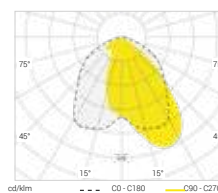
# TIGUA floodlight

4,000 K - 230,000 h



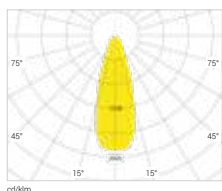
Symmetrical 81° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
48	7002	5835	glass	on-off	<b>837011</b>
95	14004	11670			<b>837012</b>
130	19369	16141			<b>837013</b>
140	21958	18298			<b>837024</b>
188	27480	22900			<b>837025</b>



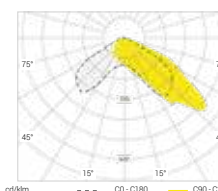
Asymmetrical 23° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
48	7002	5835	glass	on-off	<b>837211</b>
95	14004	11670			<b>837212</b>
130	19369	16141			<b>837213</b>
140	21958	18298			<b>837224</b>
188	27480	22900			<b>837225</b>



Symmetrical 36° narrow beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
48	7002	5835	glass	on-off	<b>837111</b>
95	14004	11670			<b>837112</b>
130	19369	16141			<b>837113</b>
140	21958	18298			<b>837124</b>
188	27480	22900			<b>837125</b>



Asymmetrical 50° extra wide beam optics

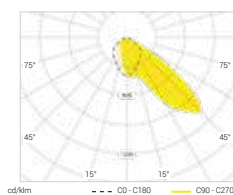
Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
48	7002	5835	glass	on-off	<b>837711</b>
95	14004	11670			<b>837712</b>
130	19369	16141			<b>837713</b>
140	21958	18298			<b>837724</b>
188	27480	22900			<b>837725</b>

**Equipment included:** wall-mounting bracket.  
 Power supply with 3P quick connector.  
 The stated flux and power values may be subject to a +/- 7% tolerance.



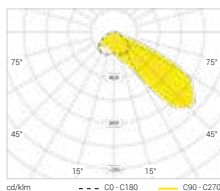
## TIGUA floodlight

4,000 K - 230,000 h



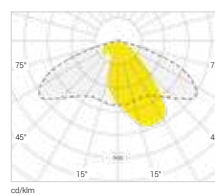
### Asymmetrical 43° narrow beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
48	7002	5835			<b>837311</b>
95	14004	11670			<b>837312</b>
130	19369	16141	glass	on-off	<b>837313</b>
140	21958	18298			<b>837324</b>
188	27480	22900			<b>837325</b>



### Asymmetrical 55° narrow beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
48	7002	5835			<b>837511</b>
95	14004	11670			<b>837512</b>
130	19369	16141	glass	on-off	<b>831513</b>
140	21958	18298			<b>837524</b>
188	27480	22900			<b>837525</b>



### Roadway optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
48	7002	5835			<b>837411</b>
95	14004	11670			<b>837412</b>
130	19369	16141	glass	on-off	<b>837413</b>
140	21958	18298			<b>837424</b>
188	27480	22900			<b>837425</b>

Notes: version with built-in pole-top mounting available on request.

**Equipment included:** wall-mounting bracket.

Power supply with 3P quick connector.

The stated flux and power values may be subject to a +/- 7% tolerance.



# Accessories TIGUA floodlight



Protection guard

Manufacturing material	Palazzoli code
galvanised steel	<b>811911</b>



Support for wall mounting with projecting arm – 750mm projection

Manufacturing material	Palazzoli code
painting galvanised steel	<b>811914</b>



Universal mounting bracket for pole-top installation for 60 mm and 76 mm nominal pole Ø

Manufacturing material	Palazzoli code
painting galvanised steel	<b>811908</b>



Kit consisting of collar and plate for 60 mm and 76 mm nominal Ø poles

Manufacturing material	Palazzoli code
painting galvanised steel	<b>811912</b>

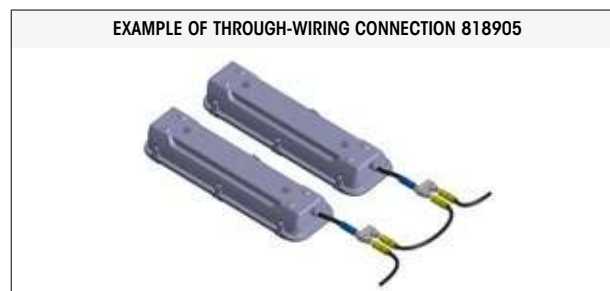


3 way through-wiring connector 16A 250/400V IP66/IP68

Poles	Max. conductor (mm <sup>2</sup> )	Fastening diameter (mm)	Palazzoli code
5	2,5	7-13	<b>818905</b>

**Notes:** equipped with 1 input and 2 output connectors which allow the through-wiring system.

EXAMPLE OF THROUGH-WIRING CONNECTION 818905



1 input connector and 2 output connectors which can be closed by caps when not connected. IP66/IP68: protected against penetration of water, dust and pressurized water jets. Quick installation: no terminal blocks are required for wiring.

# XTIGUA





## XTIGUA floodlight

4,000 K - 230,000 h

### ADVANTAGES

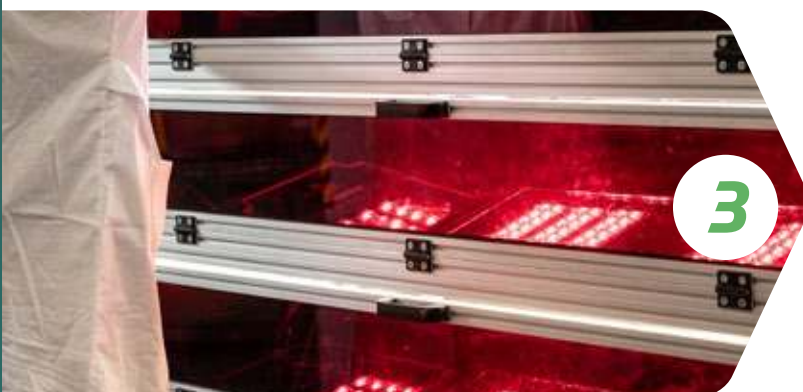


The body is made of EN 44300 aluminium alloy with low copper content, with passivation treatment and painting that make it suitable for harsh environments, corrosion class C5-M / C4-H.

This range of optics consists of 2 symmetrical and 4 asymmetrical beams; this makes it suitable for all kinds of installations, while ensuring the best visual comfort. Optics are made with PMMA lenses, which ensure chromatic stability of light over time thanks to the non-yellowing characteristics of the material.



XTIGUA's long service life is guaranteed by high-level electronic components, exclusive thermal management system, X-ray inspection of LED welds, 100% testing with 24-hour burn-in cycles, and Gore-Tex® anti-condensation breathing valve.



The driver, built into the luminaire, allows for fast and secure cabling. The device features a connector that enables a quick connection to the power grid, with no need to open the device.







# XTIGUA floodlight

4,000 K - 230,000 h



**7**

## YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



## DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)  
2009/125/EC (ErP)  
EU Reg. 2019/2020 (EcoDesign)

## PRODUCT STANDARDS

EN 55015  
EN 60598-1  
EN 60598-2-1  
EN 60598-2-5  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 62471  
IEC/TR 62778  
EN 63000

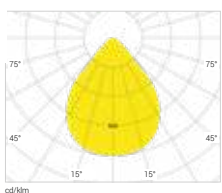
Body material	Low-copper aluminium alloy (EN 44300)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	Grey RAL 7011
Diffuser material	Extra clear tempered glass
Protection rating	IP66
Impact resistance	IK08
Corrosivity category	Equivalent to C5-M / C4-H
Mounting system	U bracket with adjustment range of -110° to 110°
Ambient operating temperature	-30°C - +35°C
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 134 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing, UV-resistant PMMA lenses with >90% efficiency and >95% transparency
Colour rendering index values	CRI ≥ 70 according to EN 62717
Colour consistency	MacAdam 4-step
Photobiological risk	RGO - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L90 B10 110,000h Tq= +40°C L90 B10 230,000h Tq= +25°C
Insulation class	I
Supply voltage	200-240V 0/50/60Hz
Surge protection	10 kV common mode 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Quick connector
Max. conductor cross-section	2.5 mm <sup>2</sup>
Entry cable diameter	7 - 13 mm

Special versions with operating temperatures up to +55 °C and colour temperatures from 3000K to 6500K can be made.



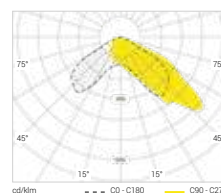
# XTIGUA floodlight size M

4,000 K - 230,000 h



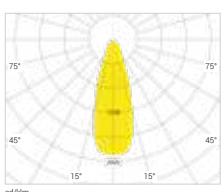
Symmetrical 81° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
236	37665	31388	glass	DALI	<b>838036DA</b>
309	49316	41097			<b>838048DA</b>



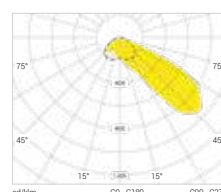
Asymmetrical 50° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
236	37665	31388	glass	DALI	<b>838736DA</b>
309	49316	41097			<b>838748DA</b>



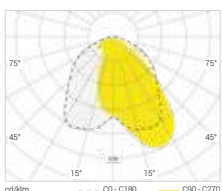
Symmetrical 36° narrow beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
236	37665	31388	glass	DALI	<b>838136DA</b>
309	49316	41097			<b>838148DA</b>



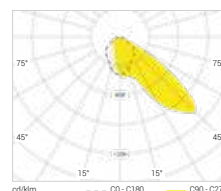
Asymmetrical 43° narrow beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
236	37665	31388	glass	DALI	<b>838336DA</b>
309	49316	41097			<b>838348DA</b>



Asymmetrical 23° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
236	37665	31388	glass	DALI	<b>838236DA</b>
309	49316	41097			<b>838248DA</b>



Asymmetrical 55° narrow beam optics

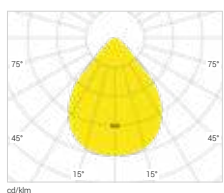
Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
236	37665	31388	glass	DALI	<b>838536DA</b>
309	49316	41097			<b>838548DA</b>

**Equipment included:** wall-mounting bracket.  
 Power supply with 5Px1.5mm<sup>2</sup> quick connector and 1.5mm<sup>2</sup> H07RN-F cable.  
 The stated flux and power values may be subject to a +/- 7% tolerance.



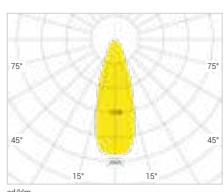
# XTIGUA floodlight size L

4,000 K - 230,000 h



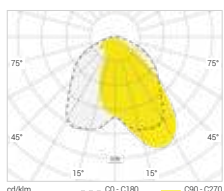
Symmetrical 81° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
368	58733	48944	glass	DALI	<b>838060DA</b>
442	70543	59228			<b>838072DA</b>



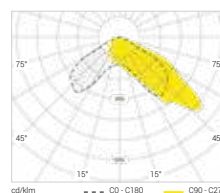
Symmetrical 36° narrow beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
368	58733	48944	glass	DALI	<b>838160DA</b>
442	70543	59228			<b>838172DA</b>



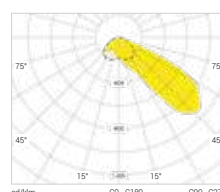
Asymmetrical 23° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
368	58733	48944	glass	DALI	<b>838260DA</b>
442	70543	59228			<b>838272DA</b>



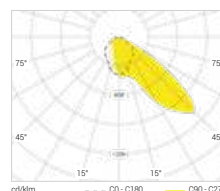
Asymmetrical 50° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
368	58733	48944	glass	DALI	<b>838760DA</b>
442	70543	59228			<b>838772DA</b>



Asymmetrical 43° narrow beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
368	58733	48944	glass	DALI	<b>838360DA</b>
442	70543	59228			<b>838372DA</b>



Asymmetrical 55° narrow beam optics

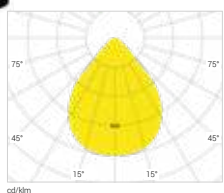
Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
368	58733	48944	glass	DALI	<b>838560DA</b>
442	70543	59228			<b>838572DA</b>

**Equipment included:** wall-mounting bracket.  
 Power supply with 5Px1.5mm<sup>2</sup> quick connector and 1.5mm<sup>2</sup> H07RN-F cable.  
 The stated flux and power values may be subject to a +/- 7% tolerance.



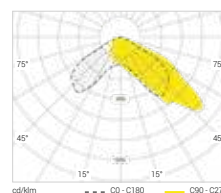
# XTIGUA floodlight size XL

4,000 K - 230,000 h



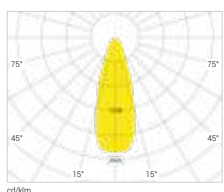
Symmetrical 81° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
618	98632	82194	glass	DALI	<b>838096DA</b>



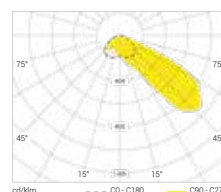
Asymmetrical 50° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
618	98632	82194	glass	DALI	<b>838796DA</b>



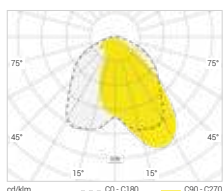
Symmetrical 36° narrow beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
618	98632	82194	glass	DALI	<b>838196DA</b>



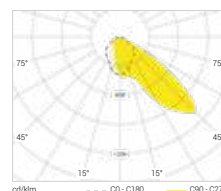
Asymmetrical 43° narrow beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
618	98632	82194	glass	DALI	<b>838396DA</b>



Asymmetrical 23° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
618	98632	82194	glass	DALI	<b>838296DA</b>



Asymmetrical 55° narrow beam optics

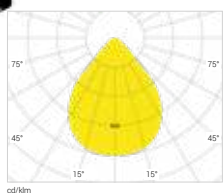
Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
618	98632	82194	glass	DALI	<b>838596DA</b>

**Equipment included:** wall-mounting bracket.  
 Power supply with 5Px1.5mm<sup>2</sup> quick connector and 1.5mm<sup>2</sup> H07RN-F cable.  
 The stated flux and power values may be subject to a +/- 7% tolerance.



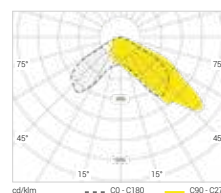
# XTIGUA floodlight size XXL

4,000 K - 230,000 h



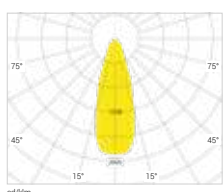
Symmetrical 81° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
736	117500	97888	glass	DALI	<b>838012DA</b>
884	141000	118456			<b>838014DA</b>



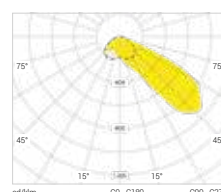
Asymmetrical 50° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
736	117500	97888	glass	DALI	<b>838712DA</b>
884	141000	118456			<b>838714DA</b>



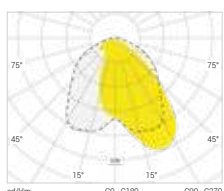
Symmetrical 36° narrow beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
736	117500	97888	glass	DALI	<b>838112DA</b>
884	141000	118456			<b>838114DA</b>



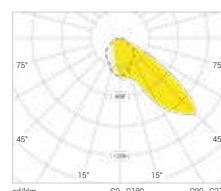
Asymmetrical 43° narrow beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
736	117500	97888	glass	DALI	<b>838312DA</b>
884	141000	118456			<b>838314DA</b>



Asymmetrical 23° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
736	117500	97888	glass	DALI	<b>838212DA</b>
884	141000	118456			<b>838214DA</b>



Asymmetrical 55° narrow beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
736	117500	97888	glass	DALI	<b>838512DA</b>
884	141000	118456			<b>838514DA</b>

**Equipment included:** wall-mounting bracket.  
 Power supply with 5Px1.5mm<sup>2</sup> quick connector and 1.5mm<sup>2</sup> H07RN-F cable.  
 The stated flux and power values may be subject to a +/- 7% tolerance.



# Accessories XTIGUA floodlight



Protection grid for XTIGUA LED floodlights  
Size M, XL

Manufacturing material	Palazzoli code
galvanised steel	<b>818992</b>

**Notes:** for sizes XL and XXL use 2 grids.



Protection grid for XTIGUA LED floodlights  
Size L, XXL

Manufacturing material	Palazzoli code
galvanised steel	<b>818993</b>

**Notes:** for sizes XL and XXL use 2 grids.



Cross beam for pole-top installation  
for 1 XTIGUA series floodlight

Manufacturing material	Palazzoli code
painted galvanised steel	<b>818990</b>

**Notes:** cross beam suitable for mounting up to 2x floodlights of size M, L or XL. For size XXL, the cross beam code is 818991. The cross beam can be installed on  $\varnothing$  60 to  $\varnothing$  76 mm poles.



Cross beam for pole-top installation  
for 2 or 4 XTIGUA series floodlights

Manufacturing material	Palazzoli code
painted galvanised steel	<b>818991</b>

**Notes:** cross beam suitable for mounting up to 2 floodlights size L, XXL or 4 floodlights size M, XL. The cross beam can be installed on  $\varnothing$  60 to  $\varnothing$  76 mm poles.

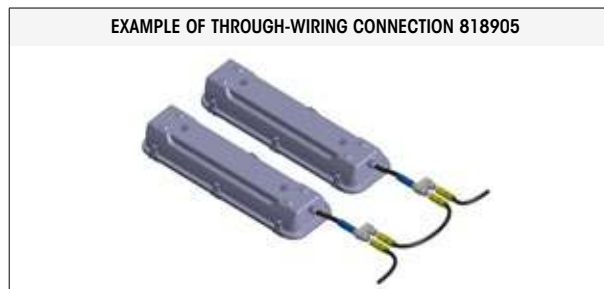


3 way through-wiring connector  
16A 250/400V IP66/IP68

Poles	Max. conductor (mm <sup>2</sup> )	Fastening diameter (mm)	Palazzoli code
5	2,5	7-13	<b>818905</b>

**Notes:** equipped with 1 input and 2 output connectors which allow the through-wiring system.

### EXAMPLE OF THROUGH-WIRING CONNECTION 818905



1 input connector and 2 output connectors which can be closed by caps when not connected. IP66/IP68: protected against penetration of water, dust and pressurized water jets. Quick installation: no terminal blocks are required for wiring.





# META floodlight

4,000 K - 110,000 h



**7**

## YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



## DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)  
2009/125/EC (ErP)  
EU Reg. 2019/2020 (EcoDesign)

## PRODUCT STANDARDS

EN 55015  
EN 60598-1  
EN 60598-2-1  
EN 60598-2-5  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 62471  
IEC/TR 62778  
EN 63000

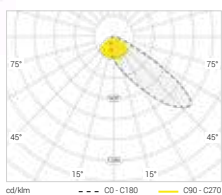
Body material	Aluminium alloy (EN 46100)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	Grey RAL 7011
Diffuser material	Extra clear tempered glass
Protection rating	IP66/IP67
Impact resistance	IK08
Corrosivity category	Equivalent to C4-M / C3-H
Mounting system	U-bracket with adjustment
Ambient operating temperature	-30°C - +40°C
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 93 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing, UV-resistant PMMA lenses with >90% efficiency and >95% transparency
Colour rendering index values	CRI ≥ 80
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L80 B20 110,000h Tq= +40°C
Insulation class	I
Supply voltage	200-240V 0/50/60Hz
Surge protection	10 kV common mode 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Quick connector
Max. conductor cross-section	2.5 mm <sup>2</sup>
Entry cable diameter	7 - 13 mm

Special versions with operating temperatures up to +55 °C and colour temperatures from 3000K to 6500K can be made.



# META floodlight

4,000 K - 110,000 h



## Asymmetrical 50° narrow beam optics

Power (W)	Nominal flux (lm) <sub>Tj=25°C</sub>	Output flux (lm) <sub>Tq=25°C</sub>	Diffuser	Version	Palazzoli code
99	13230	9193	glass	dimmable 1-10V	<b>810296</b>
133	17640	12258			<b>810226</b>
168	22050	15322			<b>810256</b>
199	26460	18387			<b>810286</b>



Protection guard

Manufacturing material	Palazzoli code
galvanised steel	<b>810993</b>



Universal mounting bracket for pole-top installation for 60 mm and 76 mm nominal pole Ø

Manufacturing material	Palazzoli code
painting galvanised steel	<b>811908</b>



Kit consisting of collar and plate for 60 mm and 76 mm nominal Ø poles

Manufacturing material	Palazzoli code
painting galvanised steel	<b>811912</b>



3 way through-wiring connector 16A 250/400V IP66/IP68

Poles	Max. conductor (mm <sup>2</sup> )	Fastening diameter (mm)	Palazzoli code
5	2,5	7-13	<b>818905</b>

**Notes:** equipped with 1 input and 2 output connectors which allow the through-wiring system. Example of through-wiring connection 818905 on page 315.

**Equipment included:** adjustable bracket for installation on walls or supporting structures (poles, light towers). Power supply with 5P quick connector. Suitable for lighting outdoor areas and sports facilities. The stated flux and power values may be subject to a +/- 7% tolerance.

# META

illuminates the Schönbrunn Palace in Vienna



# Light fixtures, pendants and control



## CONTROL



### **IMPERIUM** with DALI wiring

Page 351



### **IMPERIUM** wireless

Page 353

## TRADITIONAL



### **RINO** fluorescent

Page 355



### **RINO** E27, G23

Page 357



### **RINO** E27

Page 358

## LIGHT FIXTURES



### **RINO LED**

From 3560 lm  
to 15020 lm  
Page 323

## PENDANTS



### **META150**

From 10600 lm  
to 30880 lm  
Page 331



### **META**

From 8140 lm  
to 21660 lm  
Page 333



### **TIGUA**

From 3300 lm  
to 22100 lm  
Page 339



### **XTIGUA**

From 21580 lm  
to 48800 lm  
Page 345



RINO





## RINO LED

4,000 K - 50,000 h

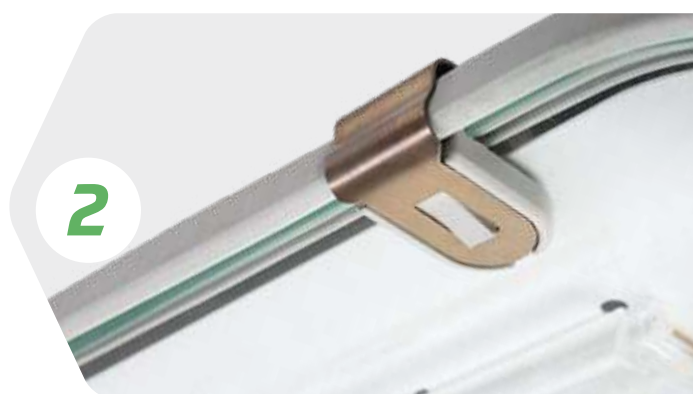
### ADVANTAGES



1

The fastening system with eyebolts enables the device to be mounted to the ceiling without opening it. The light fixture is powered by means of a connector for quick connection to the power grid.

The stainless steel casing and the total absence of weld joints guarantee a high resistance to corrosion and aggressive atmospheres.



2



3

The latest generation of LED technology ensures high luminous efficacy up to 181 lm/W.

The extra wide beam, narrow beam and comfort optics use specialist lenses with a glare index of  $UGR < 22$ .



4

LIGHT FIXTURES  
PENDANTS  
CONTROL





# RINO LED

4,000 K - 50,000 h



**7**

## YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



## DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)  
2009/125/EC (ErP)  
EU Reg. 2019/2020 (EcoDesign)

## PRODUCT STANDARDS

EN 55015  
EN 60598-1  
EN 60598-2-1  
EN 60598-2-5  
EN 60598-2-22  
EN 60598-2-24  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 62471  
IEC/TR 62778  
EN 63000

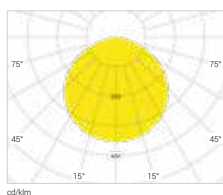
Body material	AISI 304 stainless steel Painted galvanised steel
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	RAL 9016 (painted galvanised steel version)
Diffuser material	Tempered glass and UV stabilised polycarbonate
Protection rating	IP66
Impact resistance	IK09
Corrosivity category	Equivalent to C5-H AISI 304 stainless steel C5-M / C4-H painted galvanised steel
Mounting system	Pair of eyebolts in AISI 304 stainless steel
Ambient operating temperature	-30°C - +45°C 0°C - +35°C (emergency versions) -30°C - +55°C (HT versions)
Ambient storage temperature	-40°C - +70°C -30°C - +50°C (emergency versions)
Actual efficacy of the device	Up to 181 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing, UV-resistant PMMA lenses with >90% efficiency and >95% transparency
Colour rendering index values	CRI ≥ 80
Colour consistency	MacAdam 3-step
Photobiological risk	RGO - Exempt Group (EN 62471)
Residual flicker	< 3%
Luminous flux maintenance	L80 B10 @50,000 h Tq= +25°C Tq= +55°C (HT versions) L80 B10 @90,000 h Tq= +25°C (high efficiency versions)
Emergency battery lifetime	1h - 3h
Emergency battery charging time	24h
Insulation class	I
Supply voltage	200-240V 0/50/60Hz
Surge protection	2 kV common mode and differential mode (EN 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Quick connector
Max. conductor cross-section	1.5 mm <sup>2</sup>
Entry cable diameter	9 to 12 mm

Special versions can be made by combining materials, optics, power supplies and operating temperatures. Feed-through wiring versions are also available, in AISI 316L stainless steel and with colour temperatures from 3000K to 6500K.

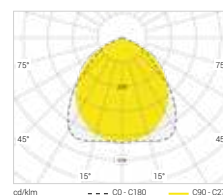


# RINO LED 690 mm

4,000 K - 50,000 h



Symmetrical 110° extra wide beam optics



Symmetrical extra wide beam optics, comfort 88°

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
<b>AISI 304 stainless steel</b>					
26	4100	3692	glass	on-off	<b>822182</b>
40	6440	5640			<b>822282</b>
<b>High efficiency 90,000 h</b>					
53	10890	8957	glass	on-off	<b>822682</b>
<b>Painted galvanised steel</b>					
26	4100	3692	glass	on-off	<b>842182</b>
40	6440	5640			<b>842282</b>
<b>Emergency</b>					
26	4100	3692 770 in EM	glass	on-off emergency	<b>842180</b>
40	6440	5640 940 in EM			<b>842280</b>
<b>High efficiency 90,000 h</b>					
53	10890	8957	glass	on-off	<b>842682</b>

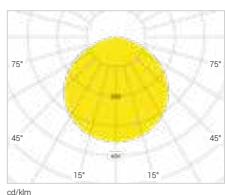
Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
<b>AISI 304 stainless steel</b>					
26	4100	3562	glass	on-off	<b>821182</b>
40	6440	5400			<b>821282</b>
<b>HACCP food safety</b>					
26	4100	3562	HACCP polycarbonate	on-off	<b>826182</b>
40	6440	5400			<b>826282</b>
<b>Emergency</b>					
26	4100	3562 770 in EM	glass	on-off emergency	<b>821180</b>
40	6440	5400 940 in EM			<b>821280</b>
26	4100	3562 770 in EM	glass	on-off emergency	<b>821183</b>
40	6440	5400 940 in EM			<b>821283</b>
<b>High efficiency 90,000 h</b>					
53	10890	8530	glass	on-off	<b>821682</b>
<b>Painted galvanised steel</b>					
26	4100	3562	glass	on-off	<b>841182</b>
40	6440	5400			<b>841282</b>
<b>HACCP food safety</b>					
26	4100	3562	HACCP polycarbonate	on-off	<b>846182</b>
40	6440	5400			<b>846282</b>
<b>High efficiency 90,000 h</b>					
53	10890	8530	glass	on-off	<b>841682</b>

**Equipment included:** pair of AISI 304 stainless steel eyebolts for pendant mounting.  
Power supply with quick connector.  
The stated flux and power values may be subject to a +/- 7% tolerance.

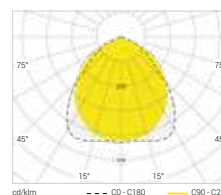


# RINO LED 1300 mm

4,000 K - 50,000 h



Symmetrical 110° extra wide beam optics



Symmetrical extra wide beam optics, comfort 88°

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
<b>AISI 304 stainless steel</b>					
52	8200	7384			<b>822382</b>
63	11000	8946	glass	on-off	<b>822482</b>
75	12200	10575			<b>822582</b>
<b>High efficiency 90,000 h</b>					
83	17940	15020	glass	on-off	<b>822782</b>
<b>Painted galvanised steel</b>					
52	8200	7384			<b>842382</b>
63	11000	8946	glass	on-off	<b>842482</b>
75	12200	10575			<b>842582</b>
<b>Emergency</b>					
52	8200	7384 940 in EM	glass	on-off emergency 1h	<b>842380</b>
<b>High efficiency 90,000 h</b>					
83	17940	15020	glass	on-off	<b>842782</b>

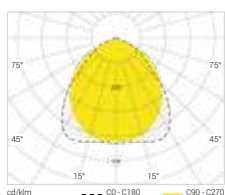
Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
<b>AISI 304 stainless steel</b>					
52	8200	7072			<b>821382</b>
63	11000	8631		on-off	<b>821482</b>
75	12200	9900			<b>821582</b>
52	8200	7072	glass		<b>821382DA</b>
55	9547	7518		DALI	<b>821482DA</b>
71	11947	9428			<b>821582DA</b>
<b>HACCP food safety</b>					
52	8200	7072			<b>826382</b>
63	11000	8631		on-off	<b>826482</b>
75	12200	9900			<b>826582</b>
52	8200	7072	HACCP polycarbonate		<b>826382DA</b>
55	9547	7518		DALI	<b>826482DA</b>
71	11947	9428			<b>826582DA</b>
<b>High efficiency 90,000 h</b>					
83	17940	13871	glass	on-off	<b>821782</b>
<b>Painted galvanised steel</b>					
52	8200	7072			<b>841382</b>
63	11000	8631	glass	on-off	<b>841482</b>
75	12200	9900			<b>841582</b>
<b>HACCP food safety</b>					
52	8200	7072			<b>846382</b>
63	11000	8631	HACCP polycarbonate	on-off	<b>846482</b>
75	12200	9900			<b>846582</b>
<b>High efficiency 90,000 h</b>					
83	17940	13871	glass	on-off	<b>841782</b>

**Equipment included:** pair of AISI 304 stainless steel eyebolts for pendant mounting.  
Power supply with quick connector.  
The stated flux and power values may be subject to a +/- 7% tolerance.

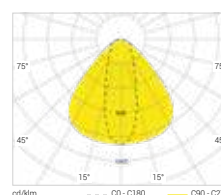


# RINO LED 1300 mm

4,000 K - 50,000 h



Symmetrical extra wide beam optics, comfort 88°



30° x 90° symmetrical narrow beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
<b>AISI 304 stainless steel Emergency</b>					
52	8200	7072 940 in EM	glass	on-off	<b>821380</b>
63	11000	8631 940 in EM		emergency	<b>821480</b>
75	12200	9900 940 in EM		1h	<b>821580</b>
52	8200	7072 940 in EM		on-off	<b>821383</b>
63	11000	8631 940 in EM		emergency	<b>821483</b>
75	12200	9900 940 in EM		3h	<b>821583</b>
<b>High temperature +55°C</b>					
33	5738	4700		on-off	<b>821382HT</b>
45	7919	6404	glass	on-off	<b>821482HT</b>
54	8830	7600			<b>821582HT</b>
<b>HACCP food emergency</b>					
52	8200	7072 940 in EM	HACCP polycarbonate	on-off	<b>826380</b>
63	11000	8631 940 in EM		emergency	<b>826480</b>
75	12200	9900 940 in EM		1h	<b>826580</b>
52	8200	7072 940 in EM		on-off	<b>826383</b>
63	11000	8631 940 in EM		emergency	<b>826483</b>
75	12200	9900 940 in EM		3h	<b>826583</b>
<b>HACCP food high temperature +55 °C</b>					
33	5738	4700		on-off	<b>826382HT</b>
45	7919	6404	HACCP polycarbonate	on-off	<b>826482HT</b>
54	8830	7600			<b>826582HT</b>

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
<b>AISI 304 stainless steel</b>					
52	8200	6500			<b>820382</b>
63	11000	8001	glass	on-off	<b>820482</b>
75	12200	9375			<b>820582</b>
<b>HACCP food safety</b>					
52	8200	6500			<b>825382</b>
63	11000	8001	HACCP polycarbonate	on-off	<b>825482</b>
75	12200	9375			<b>825582</b>
<b>Painted galvanised steel</b>					
52	8200	6500			<b>840382</b>
63	11000	8001	glass	on-off	<b>840482</b>
75	12200	9375			<b>840582</b>
<b>HACCP food safety</b>					
52	8200	6500			<b>845382</b>
63	11000	8001	HACCP polycarbonate	on-off	<b>845482</b>
75	12200	9375			<b>845582</b>

**Equipment included:** pair of AISI 304 stainless steel eyebolts for pendant mounting.  
Power supply with quick connector.  
The stated flux and power values may be subject to a +/- 7% tolerance.



# Accessories RINO LED



Pair of adjustable supports for wall or ceiling installation

Manufacturing material	Palazzoli code
AISI 304 stainless steel	<b>820010</b>



Pairs of hooks for pendant mounting

Manufacturing material	Palazzoli code
AISI 304 stainless steel	<b>820011</b>



Pair of collars for mounting steel light fixtures on tube

Manufacturing material	Palazzoli code
AISI 304 stainless steel	<b>820016</b>



3 way through-wiring connector  
16A 250/400V IP66/IP68

Poles	Max. conductor (mm <sup>2</sup> )	Fastening diameter (mm)	Palazzoli code
5	2,5	7-13	<b>818905</b>

**Notes:** equipped with 1 input and 2 output connectors which allow the through-wiring system.



Pairs of "V" supports for ceiling installation

Manufacturing material	Palazzoli code
AISI 304 stainless steel	<b>820017</b>



Pendant mounting and ceiling adaptation kit

Manufacturing material	Palazzoli code
AISI 304 stainless steel	<b>820018</b>

**Notes:** in the case of relamping, the adapter kit enables to adjust the fixing distances of the light fixture to those already present in the system.



Quick fastening kit for ceiling mounting

Manufacturing material	Palazzoli code
AISI 304 stainless steel	<b>820019</b>

### EXAMPLE OF THROUGH-WIRING CONNECTION 818905



1 input connector and 2 output connectors which can be closed by caps when not connected. IP66/IP68: protected against penetration of water, dust and pressurized water jets. Quick installation: no terminal blocks are required for wiring.



Retrofit kit for light fixtures  
690 mm and 1300 mm

Manufacturing material	Power (W)	Length (mm)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Version	Palazzoli code
extra clear tempered glass	26	690	4100	3562	on-off	<b>821184</b>
glass	52	1300	8200	7072		<b>821384</b>



# RINO LED

illuminates the San Giorgio Bridge in Genoa



LIGHT FIXTURES  
PENDANTS  
CONTROL



# META<sub>150</sub>





## META<sub>150</sub> pendant mounting

4,000 K - 230,000 h

### ADVANTAGES



1

The efficient thermal management system and the air recirculation valve ensure that electronic devices remain in optimal condition over time.

The innovative pendant mounting system allows inefficient light fixtures to be replaced with a simple remove and replace operation with no need of adjustments and regulations. Each META150 comes with a watertight connector for quick plug and play connection.

2



3

META150 can be mounted as a pendant, on busbar, ceiling, pole, wall, light tower and catenary wire.

META150 received special recognition in Germany: Red Dot Design Award, the world's most important and prestigious design award.



4





# META<sub>150</sub> pendant mounting

4,000 K - 230,000 h



7

## YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



## DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)  
2009/125/EC (ErP)  
EU Reg. 2019/2020 (EcoDesign)

## PRODUCT STANDARDS

EN 55015  
EN 60598-1  
EN 60598-2-1  
EN 60598-2-5  
EN 60598-2-24  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 62471  
IEC/TR 62778  
EN 63000

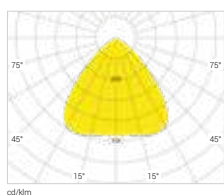
Body material	Aluminium alloy (EN 46100)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	Grey RAL 7011
Diffuser material	Extra clear tempered glass or polycarbonate
Protection rating	IP66/IP67
Impact resistance	IK08
Corrosivity category	Equivalent to C4-M / C3-H
Mounting system	Quick connection for pendant mounting
Ambient operating temperature	-30°C - +40°C -30°C - +50°C (high efficacy versions) -30°C - +60°C (HT versions)
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 151 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing, UV-resistant PMMA lenses with >90% efficiency and >95% transparency
Colour rendering index values	CRI ≥ 80
Colour consistency	MacAdam 3-step
Photobiological risk	RGO - Exempt Group (EN 62471)
Glare index	UGR < 22
Residual flicker	< 1%
Luminous flux maintenance	L90 B10@110,000 h Tq= +40°C L90 B10@230,000h Tq= +25°C
Insulation class	I
Supply voltage	200-240V 0/50/60Hz
Surge protection	10 kV common mode 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Quick connector
Max. conductor cross-section	2.5 mm <sup>2</sup>
Entry cable diameter	7 - 13 mm

Special versions with operating temperatures up to +55 °C and colour temperatures from 3000K to 6500K can be made.

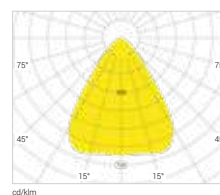


# META150 pendant mounting

4,000 K - 230,000 h



Extra wide beam optics, comfort 90°



75° medium beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
117	19600	16349	glass	DALI	<b>810630DA</b>
156	26100	21798			<b>810640DA</b>
179	30800	25712			<b>810650DA</b>
215	37000	30883			<b>810660DA</b>

High temperature +60 °C

73	12700	10775	glass	DALI	<b>810430HT</b>
97	16900	14317			<b>810440HT</b>
112	20300	16912			<b>810450HT</b>
134	24200	20234			<b>810460HT</b>

High efficacy

96	16300	13632	glass	DALI	<b>810430DA</b>
129	21900	18318			<b>810440DA</b>
151	26600	22197			<b>810450DA</b>
181	31700	26426			<b>810460DA</b>

HACCP food safety

117	19600	16349	HACCP polycarbonate	DALI	<b>810432DA</b>
156	26100	21798			<b>810442DA</b>
179	30800	25712			<b>810452DA</b>
215	37000	30883			<b>810462DA</b>

Notes: recommended installation height: between 5 m and 8 m.

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
117	19600	16022	glass	DALI	<b>810631DA</b>
156	26100	21362			<b>810641DA</b>
179	30800	25193			<b>810651DA</b>
215	37000	30260			<b>810661DA</b>

High temperature +60 °C

73	12700	10600	glass	DALI	<b>810431HT</b>
97	16900	14085			<b>810441HT</b>
112	20300	16576			<b>810451HT</b>
134	24200	19832			<b>810461HT</b>

High efficacy

96	16300	13440	glass	DALI	<b>810431DA</b>
129	21900	18060			<b>810441DA</b>
151	26600	21895			<b>810451DA</b>
181	31700	26064			<b>810461DA</b>

HACCP food safety

117	19600	16022	HACCP polycarbonate	DALI	<b>810433DA</b>
156	26100	21362			<b>810443DA</b>
179	30800	25193			<b>810453DA</b>
215	37000	30260			<b>810463DA</b>

Notes: recommended installation height: between 6 m and 9 m.

Devices designed for operation in centralised emergency lighting systems (Vac/Vdc). Special versions with the stand-alone emergency kit are available on request.  
**Equipment included:** pendant quick connection Power supply with 5P quick connector. The stated flux and power values may be subject to a +/- 7% tolerance.



## META pendant mounting

4,000 K - 110,000 h



**7**

### YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



### DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)  
2009/125/EC (ErP)  
EU Reg. 2019/2020 (EcoDesign)

### PRODUCT STANDARDS

EN 55015  
EN 60598-1  
EN 60598-2-1  
EN 60598-2-5  
EN 60598-2-22  
EN 60598-2-24  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 62471  
IEC/TR 62778  
EN 63000

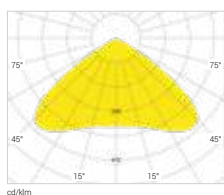
Body material	Aluminium alloy (EN 46100)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	Grey RAL 7011
Diffuser material	Extra clear tempered glass or polycarbonate
Protection rating	IP66/IP67
Impact resistance	IK08
Corrosivity category	Equivalent to C4-M / C3-H
Mounting system	Quick connection for pendant mounting
Ambient operating temperature	-30°C - +40°C -30°C - +55°C (HT versions)
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 110 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing, UV-resistant PMMA lenses with >90% efficiency and >95% transparency
Colour rendering index values	CRI ≥ 80
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L80 B20@110,000h Tq= +40°C Tq= +55 °C (HT versions)
Emergency battery lifetime	1h - 3h
Emergency battery charging time	24h
Insulation class	I
Supply voltage	200-240V 0/50/60Hz
Surge protection	10 kV common mode 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Quick connector
Max. conductor cross-section	2.5 mm <sup>2</sup>
Entry cable diameter	7 - 13 mm

Special versions can be requested by combining materials, optics and operating temperatures.



# META pendant mounting

4,000 K - 110,000 h



110° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
99	13230	10830	glass	dimmmable 1-10V	<b>810090</b>
133	17640	14439			<b>810020</b>
168	22050	18049			<b>810050</b>
199	26460	21659			<b>810080</b>

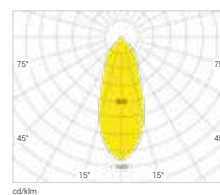
### Emergency

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
99	13230	10830 770 in EM	glass	dimmmable 1-10V 1h - 3h emergency	<b>810190</b>
133	17640	14439 770 in EM			<b>810120</b>
168	22050	18049 770 in EM			<b>810150</b>
199	26460	21659 770 in EM			<b>810180</b>

### High temperature +55°C

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
76	10187	8339	glass	dimmmable 1-10V	<b>810090HT</b>
102	13583	11118			<b>810020HT</b>
128	16979	13898			<b>810050HT</b>
153	20374	16677			<b>810080HT</b>

Notes: recommended installation height: between 4 m and 8 m.



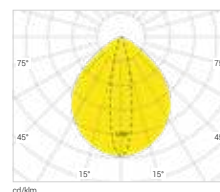
41° narrow beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
99	13230	10572	glass	dimmmable 1-10V	<b>810091</b>
133	17640	14096			<b>810021</b>
168	22050	17620			<b>810051</b>
199	26460	21144			<b>810081</b>

### High temperature +55 °C

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
76	10187	8140	glass	dimmmable 1-10V	<b>810091HT</b>
102	13583	10854			<b>810021HT</b>
128	16979	13567			<b>810051HT</b>
153	20374	16281			<b>810081HT</b>

Notes: recommended installation height: between 6 m and 9 m.



92°x20° elliptical beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
99	13230	9965	glass	dimmmable 1-10V	<b>810092</b>
133	17640	13287			<b>810022</b>
168	22050	16609			<b>810052</b>
199	26460	19931			<b>810082</b>

Notes: recommended installation height: between 6 m and 9 m.

\*The emergency version is to be completed with the kit on page 334.

Features: the extra wide beam and the narrow beam optics are supplied with quick connection for pendant mounting, the elliptical optics is equipped with a double-chain bracket.

Power supply with 5P quick connector.

The stated flux and power values may be subject to a +/- 7% tolerance.





# Accessories META<sub>150</sub> and META pendant mounting



Adjustable bracket for wall installation poles and light towers

Manufacturing material	Palazzoli code
galvanised steel	<b>810999</b>



Catenary wire installation bracket 0-90° adjustable

Manufacturing material	Palazzoli code
galvanised steel	<b>810994</b>



0-90° swivelling attachment for double chain and busbar installation

Manufacturing material	Palazzoli code
galvanised steel	<b>810996</b>



Bracket for double chain and busbar installation

Manufacturing material	Palazzoli code
galvanised steel	<b>810997</b>



Bracket for ceiling installation

Manufacturing material	Palazzoli code
galvanised steel	<b>810998</b>



Bracket for installation with Ø 60 mm pole

Manufacturing material	Palazzoli code
galvanised steel	<b>810995</b>



3 way through-wiring connector 16A 250/400V IP66/IP68

Poles	Max. conductor (mm <sup>2</sup> )	Fastening diameter (mm)	Palazzoli code
5	2,5	7-13	<b>818905</b>

**Notes:** equipped with 1 input and 2 output connectors which allow the through-wiring system.

### EXAMPLE OF THROUGH-WIRING CONNECTION 818905



1 input connector and 2 output connectors which can be closed by caps when not connected. IP66/IP68: protected against penetration of water, dust and pressurized water jets. Quick installation: no terminal blocks are required for wiring.



Emergency kit 1h



Manufacturing material	Palazzoli code
aluminium alloy	<b>810992</b>



Emergency kit 3h



Manufacturing material	Palazzoli code
aluminium alloy	<b>810991</b>

Emergency kit

**Features:** 1 M20 entry and 1 exit with connector.

**Notes:** the interface bracket is designed for double fixed chain connection and quick-connection for pendant mounting.

When performing the horizontal pole mounting, adjustable mounting, ceiling mounting and adjustable bracket mounting, the emergency kit must be mounted close to the device (max. 1.5 m).

# META<sub>150</sub>

illuminates Cembre S.p.A. in Brescia



# TIGUA





## TIGUA pendant mounting

4,000 K - 120,000 h

### ADVANTAGES



1

The body is made of EN 44300 aluminium alloy with low copper content, with passivation treatment and painting that make it suitable for harsh environments, corrosion class C5-M / C4-H.

Optics are made with PMMA lenses, which ensure chromatic stability of light over time thanks to the non-yellowing characteristics of the material.

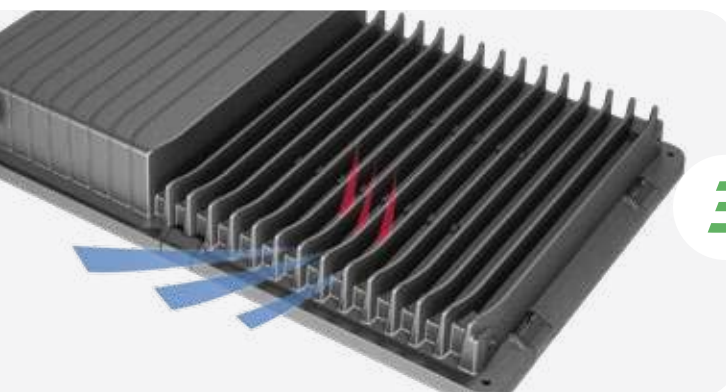
Colour rendering is ensured by the use of light sources with Colour Rendering Index (CRI)  $\geq 80$ .

The TIGUA uses flicker-free power supplies and is free from photobiological risks.



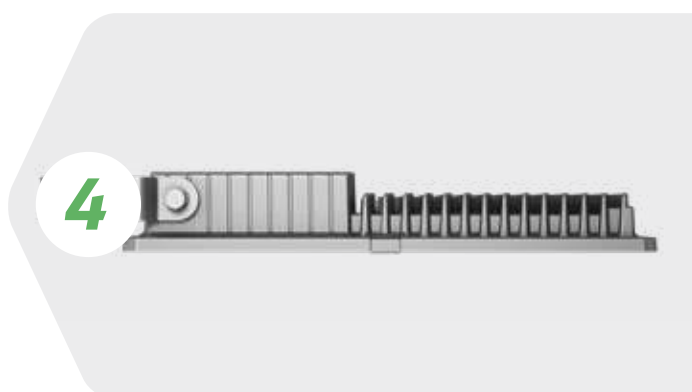
2

TIGUA's long service life is guaranteed by high-level electronic components, exclusive thermal management system, X-ray inspection of LED welds, 100% testing with 24-hour burn-in cycles, and Gore-Tex® anti-condensation breathing valve.



3

The TIGUA is a very powerful light fixture, while being compact and easy to handle: 6.5 kg only. The device features a connector that enables a quick connection to the power grid, with no need to open the device.



4





# TIGUA pendant mounting

4,000 K - 120,000 h



**7**

## YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



## DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)  
2009/125/EC (ErP)  
EU Reg. 2019/2020 (EcoDesign)

## PRODUCT STANDARDS

EN 55015  
EN 60598-1  
EN 60598-2-1  
EN 60598-2-5  
EN 60598-2-22  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 62471  
IEC/TR 62778  
EN 63000

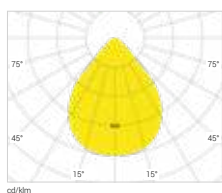
Body material	Low-copper aluminium alloy (EN 44300)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	Grey RAL 7011
Diffuser material	Extra clear tempered glass or polycarbonate
Protection rating	IP66
Impact resistance	IK08
Corrosivity category	Equivalent to C5-M / C4-H
Mounting system	Pendant mounting
Ambient operating temperature	-30°C - +40°C -30°C - +55°C (HT versions)
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 122 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing, UV-resistant PMMA lenses with >90% efficiency and >95% transparency
Colour rendering index values	CRI ≥ 80
Colour consistency	MacAdam 4-step
Photobiological risk	RGO - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L80 B20 120,000h Tq= +40°C Tq= +55 °C (HT versions)
Emergency battery lifetime	1h - 3h
Emergency battery charging time	24h
Insulation class	I
Supply voltage	200-240V 0/50/60Hz
Surge protection	8 kV common mode 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Quick connector
Max. conductor cross-section	1.5 mm <sup>2</sup>
Entry cable diameter	9 to 12 mm

Special versions can be made by combining materials, optics and operating temperatures. It is possible to supply products with insulation class II and colour temperatures from 3000K to 6500K.



# TIGUA pendant mounting

4,000 K - 120,000 h



## Symmetrical 81° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
33	4625	3958	glass	dimmable 1-10V	<b>817304</b>
67	9250	8064			<b>817308</b>
99	13875	11944			<b>817312</b>
132	18500	15926			<b>817316</b>
153	23125	18032			<b>817320</b>
182	27750	22100		<b>817324</b>	
33	4625	3958		DALI	<b>817304DA</b>
67	9250	8064			<b>817308DA</b>
99	13875	11944			<b>817312DA</b>
132	18500	15926			<b>817316DA</b>
153	23125	18032	<b>817320DA</b>		
182	27750	22100	<b>817324DA</b>		

## High temperature +55°C

33	4625	3477	glass	dimmable 1-10V	<b>817304HT</b>
67	9250	6954			<b>817308HT</b>
99	11575	8593			<b>817312HT</b>
132	15434	10990			<b>817316HT</b>
153	18135	13292			<b>817320HT</b>
182	21761	15746			<b>817324HT</b>

## HACCP food safety

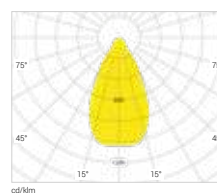
33	4625	3958	HACCP polycarbonate	dimmable 1-10V	<b>817504</b>
67	9250	8064			<b>817508</b>
99	13875	11944			<b>817512</b>
132	18500	15926			<b>817516</b>
153	23125	18032			<b>817520</b>
182	27750	22100			<b>817524</b>

## Emergency

33	4625	3958	glass	dimmable 1-10V emergency	<b>817305</b>
		995 in EM			<b>817309</b>
67	9250	8064			
		995 in EM			
99	13875	11944			
		995 in EM			
		15926			
132	18500	15926			
		995 in EM			
153	23125	18032			
		995 in EM			
		22100			
182	27750	22100			
		995 in EM			
		995 in EM			

Notes: recommended installation height: between 4 m and 7 m.

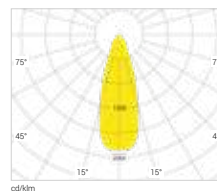
\*The emergency version is to be completed with the kit on page 340.  
**Equipment included:** double chain bracket and busbar.  
 Power supply with 5P quick connector.  
 The stated flux and power values may be subject to a +/- 7% tolerance.



## 55° medium symmetric optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
33	4625	3789	glass	dimmable 1-10V	<b>817354</b>
67	9250	7577			<b>817358</b>
99	13875	11218			<b>817362</b>
132	18500	14957			<b>817366</b>
145	23125	17069			<b>817370</b>
170	27750	20208			<b>817374</b>

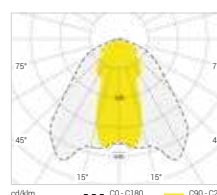
Notes: recommended installation height: between 5 m and 8 m.



## Symmetrical 36° narrow beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
33	4625	3757	glass	dimmable 1-10V	<b>817404</b>
67	9250	7515			<b>817408</b>
99	13875	11123			<b>817412</b>
132	18500	14831			<b>817416</b>
145	23125	16924			<b>817420</b>
170	27750	20034			<b>817424</b>

Notes: recommended installation height: over 6 m.



## 95°x41° elliptical beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
33	4625	3864	glass	dimmable 1-10V	<b>817454</b>
67	9250	7728			<b>817458</b>
99	13875	11444			<b>817462</b>
132	18500	15258			<b>817466</b>
153	23125	17418			<b>817470</b>
182	27750	20627			<b>817474</b>

Notes: suitable for installation between the aisles of industrial warehouses.





# Accessories TIGUA pendant mounting



0 - 90° adjustable connection for catenary wire installation

Manufacturing material	Palazzoli code
galvanised steel	<b>811921</b>



Set of brackets for installation with 60 mm Ø pole

Manufacturing material	Palazzoli code
galvanised steel	<b>811920</b>



Swivelling connection 0 - 90° for double chain and busbar installation

Manufacturing material	Palazzoli code
galvanised steel	<b>811919</b>



Kit with bracket for ceiling installation

Manufacturing material	Palazzoli code
galvanised steel	<b>811916</b>



3 way through-wiring connector 16A 250/400V IP66/IP68

Poles	Max. conductor (mm <sup>2</sup> )	Fastening diameter (mm)	Palazzoli code
5	2,5	7-13	<b>818905</b>

**Notes:** equipped with 1 input and 2 output connectors which allow the through-wiring system.

### EXAMPLE OF THROUGH-WIRING CONNECTION 818905



1 input connector and 2 output connectors which can be closed by caps when not connected. IP66/IP68: protected against penetration of water, dust and pressurized water jets. Quick installation: no terminal blocks are required for wiring.



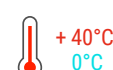
Emergency kit 1h



Manufacturing material	Palazzoli code
aluminium alloy	<b>811923</b>



Emergency kit 3h



Manufacturing material	Palazzoli code
aluminium alloy	<b>811924</b>

Emergency kit

**Features:** 1 M20 entry and 1 exit with connector.

**Notes:** the interface bracket is designed for double fixed chain connection and quick-connection for pendant mounting.

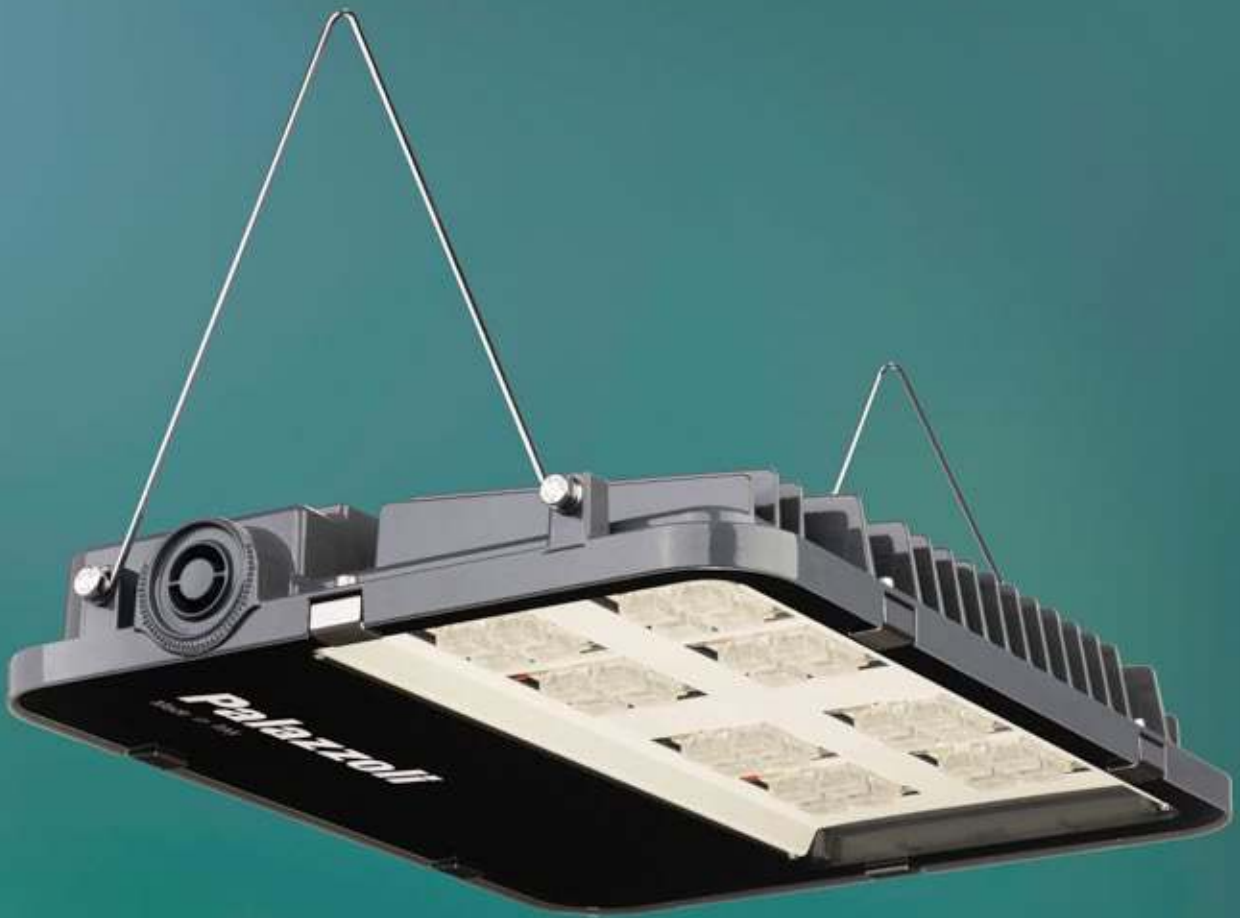
When performing the horizontal pole mounting, adjustable mounting, ceiling mounting and adjustable bracket mounting, the emergency kit must be mounted close to the device (max. 1.5 m).

# TIGUA

illuminates Grissitalia in Turin



# XTIGUA







## XTIGUA pendant light fixture

4,000 K - 120,000 h

### ADVANTAGES

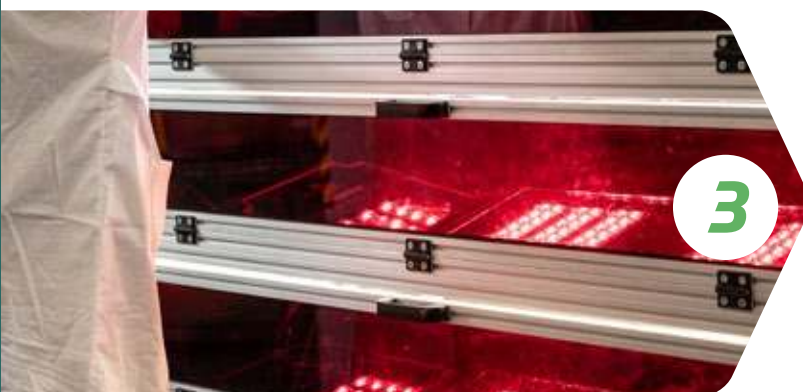


The body is made of EN 44300 aluminium alloy with low copper content, with passivation treatment and painting that make it suitable for harsh environments, corrosion class C5-M / C4-H.

Products in the VHT (Very High Temperature) range can be installed in ambient temperatures of up to +70 °C and have a light fixture efficiency of over 130 lm/W.



XTIGUA's long service life is guaranteed by high-level electronic components, exclusive thermal management system, X-ray inspection of LED welds, 100% testing with 24-hour burn-in cycles, and Gore-Tex® anti-condensation breathing valve.



Latest-generation LEDs can maintain luminous flux over time and have a lifetime of over 100,000 hours in ambient temperatures of 70 °C.





# XTIGUA pendant light fixture

4,000 K - 120,000 h



**7**

## YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



## DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)  
2009/125/EC (ErP)  
EU Reg. 2019/2020 (EcoDesign)

## PRODUCT STANDARDS

EN 55015  
EN 60598-1  
EN 60598-2-1  
EN 60598-2-5  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 62471  
IEC/TR 62778  
EN 63000

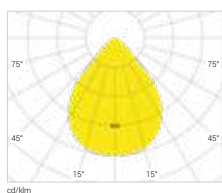
Body material	Low-copper aluminium alloy (EN 44300)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	Grey RAL 7011
Diffuser material	Extra clear tempered glass
Protection rating	IP66
Impact resistance	IK08
Corrosivity category	Equivalent to C5-M / C4-H
Mounting system	Pendant mounting
Ambient operating temperature	-30°C - +35°C -30°C - +55°C (HT versions) -30°C - +70°C (VHT versions)
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 130 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing, UV-resistant PMMA lenses with >90% efficiency and >95% transparency
Colour rendering index values	CRI ≥ 80
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L80 B20 120,000h Tq= +40°C Tq= +55 °C (HT versions) L80 B20 100,000h Tq= +70°C (VHT versions)
Insulation class	I
Supply voltage	200-240V 0/50/60Hz
Surge protection	8 kV common mode 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Quick connector
Max. conductor cross-section	2.5 mm <sup>2</sup>
Entry cable diameter	7 - 13 mm

Special versions can be made by combining materials, optics and operating temperatures. It is possible to supply products with insulation class II and colour temperatures from 3000K to 6500K.



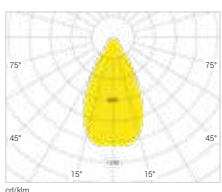
## XTIGUA pendant light fixture - size M

4,000 K - 120,000 h



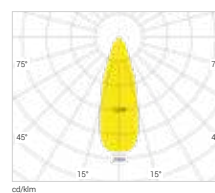
### Symmetrical 81° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
235	33250	28787	glass	DALI	<b>819328DA</b>
270	38000	32940			<b>819332DA</b>



### 55° medium symmetric optics, high temperature +55 °C

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
166	27009	21580	glass	DALI	<b>819428HT</b>
189	30867	24532			<b>819432HT</b>



### Symmetrical 36° narrow beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
235	33250	28670	glass	DALI	<b>819528DA</b>
270	38000	32805			<b>819532DA</b>

### Very high temperature +70 °C

166	27009	21580	glass	DALI	<b>819528VHT</b>
189	30867	24570			<b>819532VHT</b>

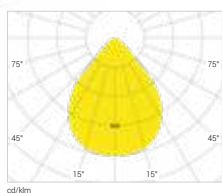
**Equipment included:** double chain bracket and busbar.  
 Recommended installation height: between 9 m and 15 m.  
 Power supply with 5Px1.5mm<sup>2</sup> quick connector and 1.5mm<sup>2</sup> H07RN-F cable.





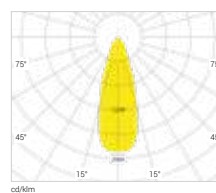
## XTIGUA pendant light fixture - size L

4,000 K - 120,000 h



### Symmetrical 81° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
336	47500	41160	glass	DALI	<b>819340DA</b>
400	57000	48800			<b>819348DA</b>

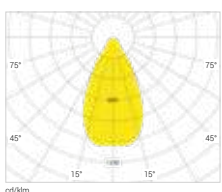


### Symmetrical 36° narrow beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
336	47500	40992	glass	DALI	<b>819540DA</b>
400	57000	48600			<b>819548DA</b>

### Very high temperature +70 °C

237	38584	30810	glass	DALI	<b>819540VHT</b>
284	46301	36920			<b>819548VHT</b>



### 55° medium symmetric optics, high temperature +55 °C

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
237	38584	30810	glass	DALI	<b>819440HT</b>
284	46301	36579			<b>819448HT</b>

**Equipment included:** double chain bracket and busbar.  
 Recommended installation height: between 9 m and 15 m.  
 Power supply with 5Px1.5mm<sup>2</sup> quick connector and 1.5mm<sup>2</sup> H07RN-F cable.



# Accessories XTIGUA pendant mounting



Adjustable connection 0 - 90°  
for double chain installation - size M

Manufacturing material	Palazzoli code
galvanised steel	<b>819994</b>



Adjustable connection 0 - 90°  
for double chain installation - size L

Manufacturing material	Palazzoli code
galvanised steel	<b>819995</b>



Kit with bracket  
for ceiling installation  
size M

Manufacturing material	Palazzoli code
galvanised steel	<b>819996</b>



Kit with bracket  
for ceiling installation  
size L

Manufacturing material	Palazzoli code
galvanised steel	<b>819997</b>

Notes: not compatible with the VHT 70 °C version.

Notes: not compatible with the VHT 70 °C version.



3 way through-wiring connector  
16A 250/400V IP66/IP68

Poles	Max. conductor (mm <sup>2</sup> )	Fastening diameter (mm)	Palazzoli code
5	2,5	7-13	<b>818905</b>

Notes: equipped with 1 input and 2 output connectors which allow the through-wiring system.

EXAMPLE OF THROUGH-WIRING CONNECTION 818905



1 input connector and 2 output connectors which can be closed by caps when not connected. IP66/IP68: protected against penetration of water, dust and pressurized water jets. Quick installation: no terminal blocks are required for wiring.

# IMPERIUM





## IMPERIUM with DALI wiring

### ADVANTAGES



1

To reduce energy consumption by more than 50%, Palazzoli provides IMPERIUM, the intelligent lighting management system with motion sensors, brightness sensors and control algorithms based on hourly programming.

DALI-wired Imperium is a solution whereby light and motion sensors interact with light fixtures equipped with DALI drivers. The sensors regulate the artificial lighting of an installation by maintaining the set light value on the work surface according to the presence of people and according to the contribution of artificial light.

2



3

Wireless Imperium is a solution for managing a lighting system without the need for a wired BUS connection between the light fixtures. The system is based on light fixtures equipped with an internal DALI driver to which wireless nodes are added externally.

The ZQ LIGHT LINK application allows you to create groups of light fixtures and wireless sensors, configure the operating parameters of each group and remotely control the lighting systems.

4





# IMPERIUM with DALI wiring



Addressable DALI sensor for surface mounting in large areas

Power supply 110-240 Vac  
50/60Hz

Maximum installation height 14 m

Protection rating IP20

Electrical insulation class II

Brightness setting value of twilight sensor 10 - 2000 lux

Absorbed power 1 W

Detection area Vertical 360°

Operating temperature -25°C – +50°C

Casing material Polycarbonate

Max. no. of controllable light fixtures per sensor

- 40 META light fixtures
- 40 TIGUA light fixtures
- 40 XTIGUA M light fixtures
- 20 XTIGUA L light fixtures
- 40 RINO light fixtures



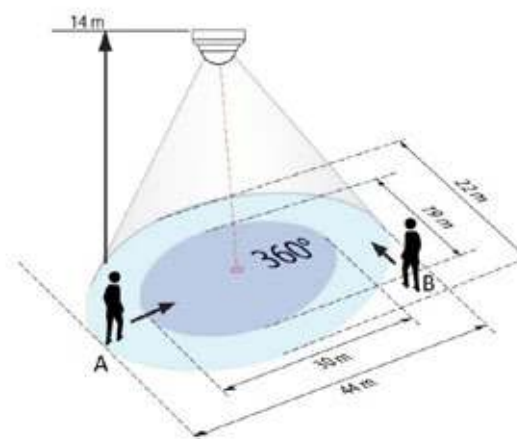
## DIRECTIVES

2014/53/EU (RED)  
2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

EN 55022  
EN 50491-2  
EN 50491-3  
EN 50491-5-1  
EN 50491-5-2  
EN 50491-5-3  
EN 61000-3-2  
EN 61000-3-3  
EN 62386-101  
EN 62386-103  
EN 63000

## SENSING RANGE



A: frontal approach to the sensor  
B: side approach to the sensor

Palazzoli is able to provide light and presence sensors with reading heights suitable for different applications and protocols.





# IMPERIUM with DALI wiring



Sensor for brightness and DALI presence

Interface	Maximum number of manageable light fixtures	Colour	Palazzoli code
DALI/DSI	40	white	<b>836001</b>

**Features:** for adjusting artificial lighting as a function of the natural light.



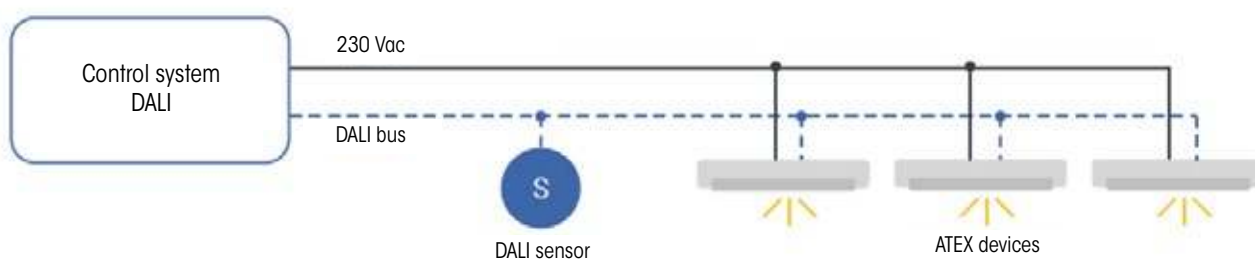
Remote control

Type of detector	Detection	Max. reception distance (m)	Light measurement	Palazzoli code
Movement and natural light	Automatic and semi-automatic	17	Via test button or automatically when the light is less than 50 LUX for 1 hour	<b>836002</b>

**Equipment included:** wall bracket.

**Features:** for programming the switching threshold of light sensors.

## System



The DALI sensor constantly measures the ambient brightness value and compares this value with the value set in the presence detector. If the natural light value is sufficient, artificial lights will not be switched on. If the daylight value is lower than the set value, the sensor switches on the light and adjusts it to the set light level. The detector automatically switches off the light after 5 minutes if the daylight present is greater than the set Lux value and/or if no presence is detected after the set delay time.



# IMPERIUM Wireless



## IMPERIUM NODE AND SENSOR

Input voltage	85 – 305 Vac 47-63Hz
Absorbed power	2W
IP rating	IP54
Weight	200 gr
Input-output isolation	4KV
Node dimensions	109x109x50 mm
Operating temperature	-10°C - +65°C

## IMPERIUM GATEWAY

Input voltage	9V battery - portable
IP rating	IP40
Weight	200 gr
Node dimensions	120x76x28 mm
Operating temperature	0°C - +60°C



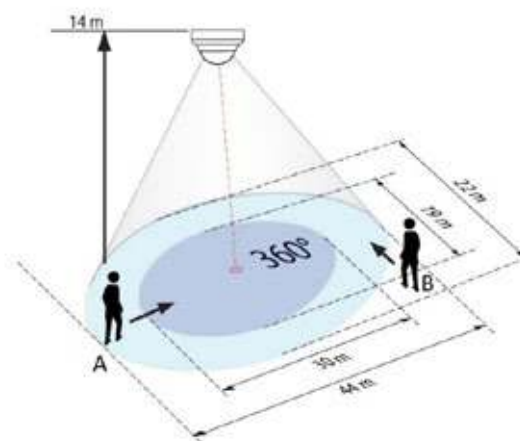
## DIRECTIVES

2014/53/EU (RED)  
2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

EN 55015  
EN 61000-3-2  
EN 61000-3-3  
EN 61347-1  
EN 61347-2-11  
EN 61547  
EN 63000  
EN 300 220-2  
EN 301 489-1  
EN 301 489-3

## SENSING RANGE



**A:** frontal approach to the sensor  
**B:** side approach to the sensor

Palazzoli can provide consultancy on request for the integration of more complex functions, such as consumption monitoring, access control and implementation in building automation systems and management of situations where the transmission of wireless signals is hindered.



# IMPERIUM Wireless



Node

Wireless network (MHZ)	Antenna	Power supply (V)	Dimensions (mm)	Palazzoli code
868	Internally built-in	85-305	109x109x46	<b>836101</b>

**Features:** it controls and powers up to 4 standard DALI or 1/10 V drivers, 500 VA normally closed (NC) relay output, digital input. IMPERIUM NODE can be centralised and integrated with third-party systems via Modbus TCP.



Sensor

Wireless network (MHZ)	Antenna	Power supply (V)	Dimensions (mm)	Palazzoli code
868	Internally built-in	85-305	109x109x46	<b>836102</b>

**Features:** it manages the regulation and power of up to 4 standard DALI or 1/10V drivers, 500VA normally closed (NC) relay output, digital input. Light and motion sensor Mid Bay (Hmax 10m – FOV 108°) and High Bay (Hmax 17m – FOV 69°). IP54. The IMPERIUM SENSOR can be centralised and integrated with third-party systems via Modbus TCP.

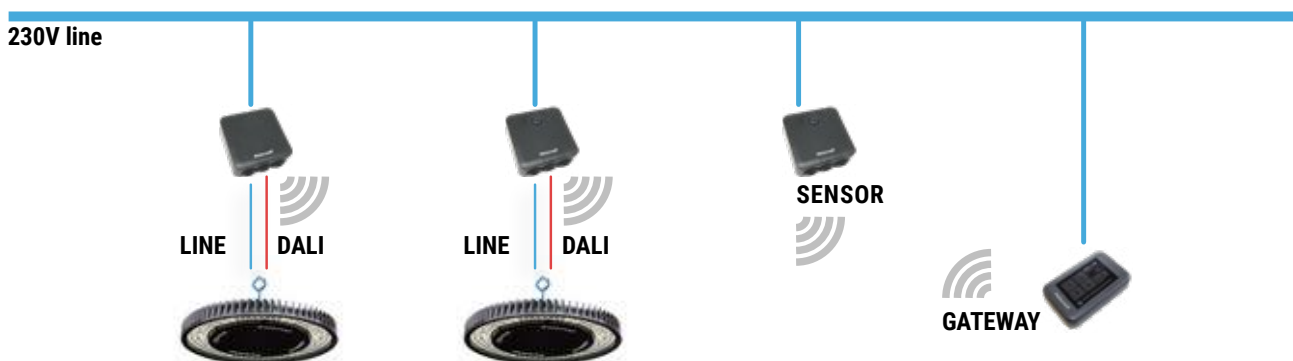


Gateway

Wireless network (MHZ)	Battery	Protocol	Dimensions (mm)	Palazzoli code
868	9 V included	Mesh Network, LBT and AFA	120x76x28	<b>836103</b>

**Features:** it allows you to configure wireless systems via the ZQ Light Link App, compatible with Bluetooth Low Energy Android and iOS smartphones.

## System



LIGHT FIXTURES  
PENDANTS  
CONTROL



## RINO fluorescent



Body material	AISI 304 stainless steel Painted galvanised steel
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	RAL 9016 (painted galvanised steel version)
Diffuser material	Tempered glass and UV stabilised polycarbonate
Protection rating	IP66/IP67 (glass diffuser) IP66 (polycarbonate diffuser)
Impact resistance	IK09
Corrosivity category	Equivalent to C5-H AISI 316L stainless steel C5-M / C4-H painted galvanised steel
Mounting system	Pair of eyebolts in AISI 304 stainless steel
Ambient operating temperature	-25°C - +50°C 0°C - +35°C (emergency versions)
Ambient storage temperature	-40°C - +70°C -30°C - +50°C (emergency versions)
Lamp holder type	G13 T8 / G5 T5
Emergency battery lifetime	1h
Emergency battery charging time	24h
Insulation class	I
Supply voltage	220-240V 0/50/60Hz
Power factor	> 0.90
Type of power supply	Spring clamps and M20 cable gland
Max. conductor cross-section	2.5 mm <sup>2</sup>
Entry cable diameter	7 - 14 mm

7

### YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



### DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)  
2009/125/EC (ErP)  
EU Reg. 2019/2020 (EcoDesign)

### PRODUCT STANDARDS

EN 55015  
EN 60598-1  
EN 60598-2-1  
EN 60598-2-22  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 63000



# RINO fluorescent



Light fixtures in AISI 304 stainless steel

Length (mm)	Power (W)	Tube type	Diffuser	Reflector	Version	Palazzoli code
690	1x18	T8	glass	white	on-off	<b>822131</b>
	2x18					<b>822132</b>
1300	1x36	T8	HACCP polycarbonate	symmetrical in aluminium	on-off	<b>822231</b>
	2x36					<b>822232</b>
	1+1x36					emergency 1h
	2x54	T5			on-off	<b>822962</b>
690	2x18	T8	HACCP polycarbonate	symmetrical in aluminium	on-off	<b>825132</b>
1300	2x36				emergency 1h	<b>825232</b>
	1+1x36				emergency 1h	<b>825211</b>

**Notes:** in the emergency version 1+1 means that 2 tubes operate in standard conditions and 1 tube only lights up under emergency conditions.



Light fixtures in painted galvanised steel

Length (mm)	Power (W)	Tube type	Diffuser	Reflector	Version	Palazzoli code
690	2x18	T8	HACCP polycarbonate	white	on-off	<b>847132</b>
1300	2x36				emergency 1h	<b>847232</b>
	1+1x36				emergency 1h	<b>847211</b>

**Notes:** in the emergency version 1+1 means that 2 tubes operate in standard conditions and 1 tube only lights up under emergency conditions.



Retrofit kit for light fixtures 690 mm and 1300 mm

Manufacturing material	Power (W)	Length (mm)	Nominal flux (lm) Tj=25° C	Output flux (lm) Tq=25° C	Version	Palazzoli code
extra clear tempered glass	26	690	4100	3562	on-off	<b>821184</b>
	52	1300	8200	7072		<b>821384</b>

## Accessories RINO fluorescent



Pairs of hooks for pendant mounting

Manufacturing material	Palazzoli code
AISI 304 stainless steel	<b>820001</b>



Pair of adjustable supports for wall and ceiling installation

Manufacturing material	Palazzoli code
AISI 304 stainless steel	<b>820000</b>



Pair of collars for installation on pipe

Manufacturing material	Palazzoli code
AISI 304 stainless steel	<b>820006</b>



High-performance mirror-polished aluminium reflector

Length (mm)	Manufacturing material	For light fixture power (W)	Palazzoli code
690	aluminium	18	<b>820002</b>
1300		36 - 54	<b>820003</b>

LIGHT FIXTURES  
PENDANTS  
CONTROL





## RINO light fixtures E27, G23



Body material	Aluminium alloy (EN 46100)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	RAL 7035
Diffuser material	Prismatic tempered glass
Protection rating	IP66
Impact resistance	IK07
Mounting system	Ready for wall installation
Ambient operating temperature	-40°C - +70°C
Ambient storage temperature	-50°C - +80°C
Lamp holder type	Type E27 in porcelain and type G23 in technopolymer
Insulation class	I
Supply voltage	230V 0/50/60Hz
Type of power supply	M20 cable gland
Max. conductor cross-section	2.5 mm <sup>2</sup>
Entry cable diameter	7 - 13 mm



### DIRECTIVES

2014/30/EU (EMC)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)  
2009/125/EC (ErP)  
EU Reg. 2019/2020 (EcoDesign)

### PRODUCT STANDARDS

EN 60598-1  
EN 60598-2-1  
EN 63000



# RINO light fixtures E27, G23



Oval light fixtures in aluminium alloy

Power (W)	Dimensions (W)	Lamp holder type	Diffuser	No. of entries	Version	Palazzoli code
60	199x112			1		<b>831071</b>
				2		<b>831091</b>
75	226x130	E27		1	without cage	<b>831171</b>
				2		<b>831191</b>
100	295x170			1		<b>831271</b>
				2		<b>831291</b>
5-7-9		G23		1		<b>831914</b>
60	199x112			1		<b>831072</b>
				2		<b>831092</b>
75	226x130	E27	glass	1	with steel cage	<b>831172</b>
				2		<b>831192</b>
100	295x170			1		<b>831272</b>
				2		<b>831292</b>
5-7-9		G23		1		<b>831934</b>
60	199x112			1		<b>831075</b>
				2		<b>831095</b>
75	226x130	E27		1	with embedded cage	<b>831175</b>
				2		<b>831195</b>
100	295x170			1		<b>831275</b>
				2		<b>831295</b>
5-7-9		G23		1		<b>831954</b>

**Equipment included:** internal earth screw and cable gland.  
**Features:** E27 lamp holder in porcelain.



Round light fixtures in aluminium alloy

Power (W)	Dimensions (W)	Lamp holder type	Diffuser	No. of entries	Version	Palazzoli code
75	200x182	E27	glass	1	without cage	<b>830071</b>
					with steel cage	<b>830072</b>

**Equipment included:** internal earth screw and cable gland.  
**Features:** E27 lamp holder in porcelain.



Swann bayonet lamp holder

Manufacturing material	Palazzoli code
brass	<b>859412</b>

**Equipment included:** fixing support.

LIGHT FIXTURES/LAMPS CORRESPONDENCE	Maximum power (W)		LED (W)	Luminous flux (lm)		Halogen (W)
	Ta = +50 °C	Ta = +70 °C*		warm white 3000K	neutral white 4000K	
		60		40	8.7	
	75	50	8.7	940	960	53
	100	75	13	1200	1250	72
	75	50	17	1530	1590	53



## RINO cylindrical well glass fixtures E27



Cylindrical well glass fixtures  
in aluminium alloy

Power (W)	Lamp holder type	Diffuser	No. of entries	Version	Palazzoli code
60	E27	glass	1	ceiling-mounted	<b>810071</b>
75					<b>810171</b>
100					<b>810271</b>
60					<b>812071</b>
75					<b>812171</b>
100					<b>812271</b>
60				pendant mounting	<b>811071</b>
75					<b>811171</b>
100					<b>811271</b>
60					<b>813071</b>
75					<b>813171</b>
100					<b>813271</b>

**Equipment included:** cable gland.  
**Features:** lamp holder in porcelain.



Cylindrical well glass fixture  
in thermosetting GRP  
with steel protective cage

Power (W)	Lamp holder type	Diffuser	No. of entries	Version	Palazzoli code
60	E27	ribbed glass	1 M20	portable	<b>814052</b>

**Equipment included:** cable entry with 1 M20 cable gland and internal cable clamp.  
**Features:** diffuser in ribbed clear glass. Lamp holder in porcelain.



Junction box  
for ceiling installation Ø 62 mm

Manufacturing material	Palazzoli code
aluminium alloy	<b>812988</b>

**Equipment included:** internal and external earth screw and cable gland.  
**Features:** cover with M20 central threaded hole for the well glass fixture pendant-mounting tube.

LIGHT FIXTURES/LAMPS CORRESPONDENCE	Maximum power (W)		LED (W)
	Ta = +50 °C	Ta = +70°C*	
	60	40	10
	75	50	11
	100	75	16



## RINO well glass fixture bodies and accessories



Cylindrical well glass fixture bodies in aluminium alloy

Power (W)	Lamp holder type	Diffuser	No. of entries	Version	Palazzoli code
60	E27	glass	1	ceiling-mounted	<b>810060</b>
75					<b>810100</b>
100					<b>810200</b>
60					<b>812060</b>
75					<b>812100</b>
100					<b>812200</b>
60				pendant mounting	<b>811060</b>
75					<b>811100</b>
100					<b>811200</b>
60					<b>813060</b>
75					<b>813100</b>
100					<b>813200</b>

**Equipment included:** globe-holder ring, gasket, E27 safety lamp holder and cable gland.



Transparent diffusers

Manufacturing material	Max. power (W)	Palazzoli code
clear ribbed glass	60	<b>819012</b>
	75	<b>819112</b>
	100	<b>819212</b>



Protection cages

Manufacturing material	Max. power (W)	Palazzoli code
galvanised and tropicalised steel wire	60	<b>819020</b>
	75	<b>819120</b>
	100	<b>819220</b>



Coloured diffusers

Manufacturing material	Max. power (W)	Diffuser colour	Palazzoli code
smooth glass	60	transparent	<b>850060</b>
		blue	<b>850061</b>
		yellow	<b>850062</b>
	40	red	<b>850063</b>
		green	<b>850064</b>



Protection cages

Manufacturing material	Max. power (W)	Palazzoli code
stainless steel wire	60	<b>819022</b>
	75	<b>850172</b>



Coloured diffusers

Manufacturing material	Max. power (W)	Diffuser colour	Palazzoli code
coloured polycarbonate	40	transparent	<b>819015</b>
		yellow	<b>819017</b>
		red	<b>819018</b>
		green	<b>819019</b>



Reflectors

Manufacturing material	Max. power (W)	Palazzoli code
galvanised and oven-painted steel	60	<b>819030</b>
	75	<b>819130</b>
	100	<b>819230</b>



Swann bayonet lamp holder with fins

Manufacturing material	Type	Palazzoli code
galvanised and oven-painted steel	B22d 4A 250C	<b>859400</b>









# Atex

The Company has extensive experience in extreme environments where flammable materials, oxidising chemicals, salt solutions, acids and motor and vegetable oils are handled. Palazzoli is the absolute market leader in Atex products, explosion-proof equipment for high-risk environments. Power plants, chemical industries, oil platforms, military bases and refineries are just a few areas where lighting devices must prevent any propagation of sparks and ensure safe and reliable operation over time.





The Company has consolidated experience in extreme environments, where the presence of oxidising chemicals, saline solutions, acids and motor and vegetable oils has forged the products for which Palazzoli is the absolute market leader.

The IE regulatory system, in particular with the IEC 60079-10 series of standards, which establishes the basic rules for electrical installations in places where there is a danger of explosion due to the presence of both gas and combustible dust, with regard to the classification of hazardous areas, refers to a particular calculation model, called the I IEC zone system.

This model is based on the determination of the probability of the formation of an explosive atmosphere and its persistence over time in the environments, which thus become fundamental parameters for the classification of hazardous areas.



### Danger

### Gases - vapours

### Dusts

Permanent

**ZONE 0**

**ZONE 20**

Occasional

**ZONE 1**

**ZONE 21**

Not likely

**ZONE 2**

**ZONE 22**

Floodlights

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Light fixtures

Page 365

Pendant light fixtures

Page 365

Traditional

Page 365



# META<sub>150</sub>-EX

illuminates Marghera's Terminal Rinfuse





# ATEX

## PENDANT LIGHT FIXTURES



**TIGUA-EX**  
zone 1, 2, 21, 22  
5800 lm to 16550 lm  
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**XTIGUA-EX**  
zone 1, 2, 21, 22  
17350 lm to 33100 lm  
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**META150-EX**  
zone 2, 21, 22  
From 8580 lm to 19830 lm  
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## TRADITIONAL



**RINO-EX**  
fluorescent  
zone 1, 2, 21, 22  
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**RINO-EX**  
fluorescent  
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**RINO-EX**  
E27  
zone 22  
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## FLOODLIGHTS



**TIGUA-EX**  
zone 1, 2, 21, 22  
5800 lm to 16550 lm  
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**XTIGUA-EX**  
zone 1, 2, 21, 22  
17350 lm to 33100 lm  
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**TIGUA-EX**  
zone 2, 21, 22  
6300 lm to 18000 lm  
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**XTIGUA-EX**  
zone 2, 21, 22  
19600 lm to 36900 lm  
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## LIGHT FIXTURES



**RINO LED-EX**  
zone 1, 2, 21, 22  
From 3400 lm to 12350 lm  
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**RINO LED-EX**  
zone 2, 21, 22  
From 3560 lm to 9430 lm  
Page 383

# TIGUA-EX







## TIGUA-EX floodlight - Zones 1, 2, 21, 22

4,000 K - 230,000 h

### ADVANTAGES



1

The DALI power supply integrated in the TIGUA-EX body is resin-coated and certified for explosion hazardous environments. In the versions for zone 1 versions, the polycarbonate lenses are sealed onto the LED module by means of silicone resin.

The body is made of EN 44300 aluminium alloy with low copper content, with passivation treatment and painting that make it suitable for harsh environments, corrosion class C5-M / C4-H.

2



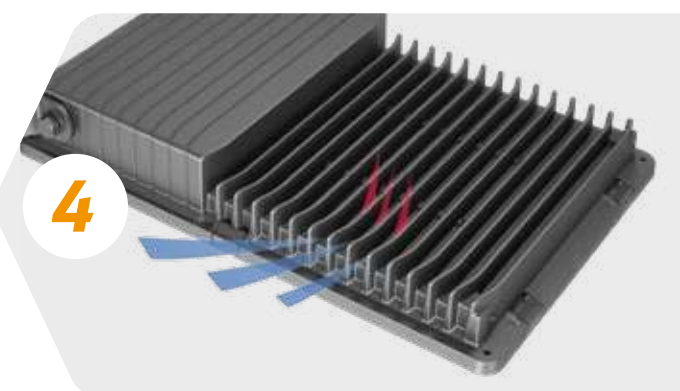
3

The optics are made from specialised lenses ensuring that the luminous flux is evenly distributed. A well-lit environment makes for a safer place.



4

TIGUA-EX's long service life is guaranteed by high-level electronic components, exclusive thermal management system, X-ray inspection of LED welds, 100% testing with 24-hour burn-in cycles, and Gore-Tex® anti-condensation breathing valve.





# TIGUA-EX floodlight - Zones 1, 2, 21, 22

4,000 K - 230,000 h



**7**

## YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



## DIRECTIVES

2014/30/EU (EMC)  
2014/34/EU (ATEX)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

EN 55015  
EN 60079-0  
EN 60079-18  
EN 60079-31  
EN 60079-7  
EN 60598-1  
EN 60598-2-1  
EN 60598-2-5  
EN 60598-2-22  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 62471  
IEC/TR 62778  
EN 63000

Atex execution - Gas	II 2G - Ex eb mb IIC T4 Gb
Atex execution - Dust	II 2D - Ex tb IIIC T 85°C Db
Body material	Marine aluminium alloy (EN 44300)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	RAL 9005 Jet black
Diffuser material	Extra clear tempered glass
Protection rating	IP66
Impact resistance	7J (body) 4J (glass)
Corrosivity category	Equivalent to C5-M / C4-H
Mounting system	U bracket with adjustment range of -135° to 135°
Ambient operating temperature	-35°C - +50°C (-40°C on request)
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 115 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing UV-resistant polycarbonate lenses sealed to the LED module by silicone resin
Colour rendering index according to EN 62717	CRI ≥ 80
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 4%
Luminous flux maintenance	L90 B10 110,000h Tq= +40 °C L90 B10 230,000h Tq= +25 °C
Insulation class	I
Supply voltage	110-277 Vac/110-250 Vdc: 50 W/72 W/101 W 160-277 Vac/160-250 Vdc: 144W 0/50/60Hz
Surge protection	6 kV common mode and differential mode (IEC 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Spring clamps and M20 cable gland
Max. conductor cross-section	1 - 2.5 mm <sup>2</sup>
Entry cable diameter	10 - 14 mm

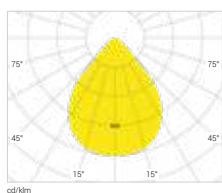
Versions with colour temperatures from 3000K to 6500K and ambient temperatures down to -40°C are also available.

TAISBOX-EX series junction boxes certified for zone 1, 2, 21, 22 complete with cable glands and terminals for larger cable diameters and/or in/out solutions are available on page 249.



## TIGUA-EX floodlight - Zones 1, 2, 21, 22

4,000 K - 230,000 h

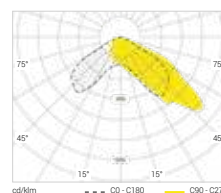


Symmetrical 81° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Max. ambient temperature (°C)	Version	Palazzoli code
50	6980	5808	+50	DALI	<b>817021EX</b>
72	9950	8280	+40		<b>817022EX</b>
101	13950	11615	+50		<b>817023EX</b>
144	19850	16560	+40		<b>817024EX</b>

**Equipment included:** wall-mounting bracket.

**Notes:** the stated flux and power values may be subject to a +/- 7% tolerance.



Asymmetrical 50° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Max. ambient temperature (°C)	Version	Palazzoli code
50	6980	5808	+50	DALI	<b>817221EX</b>
72	9950	8280	+40		<b>817222EX</b>
101	13950	11615	+50		<b>817223EX</b>
144	19850	16560	+40		<b>817224EX</b>

**Equipment included:** wall-mounting bracket.

**Notes:** the stated flux and power values may be subject to a +/- 7% tolerance.

## Accessories TIGUA-EX



Protection guard

Manufacturing material	Palazzoli code
galvanised steel	<b>811911</b>



Support for wall mounting with projecting arm – 750mm projection

Manufacturing material	Palazzoli code
painted galvanised steel	<b>811914</b>



Universal mounting bracket for pole-top installation for 60 mm and 76 mm nominal pole Ø

Manufacturing material	Palazzoli code
painted galvanised steel	<b>811908</b>



Kit consisting of collar and plate for 60 mm and 76 mm nominal pole Ø

Manufacturing material	Palazzoli code
painted galvanised steel	<b>811912</b>

# XTIGUA-EX





## XTIGUA-EX floodlight - Zones 1, 2, 21, 22

4,000 K - 230,000 h

### ADVANTAGES



1

The DALI power supply integrated in the XTIGUA-EX body is resin-coated and certified for explosion hazardous environments. In the versions for zone 1 versions, the polycarbonate lenses are sealed onto the LED module by means of silicone resin.

The body is made of EN 44300 aluminium alloy with low copper content, with passivation treatment and painting that make it suitable for harsh environments, corrosion class C5-M / C4-H.

2



3

The optics are made from specialised lenses ensuring that the luminous flux is evenly distributed. A well-lit environment makes for a safer place.

XTIGUA-EX's long service life is guaranteed by high-level electronic components, exclusive thermal management system, X-ray inspection of LED welds, 100% testing with 24-hour burn-in cycles, and Gore-Tex® anti-condensation breathing valve.

4







# XTIGUA-EX floodlight - Zones 1, 2, 21, 22

4,000 K - 230,000 h



7

## YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



## DIRECTIVES

2014/30/EU (EMC)  
2014/34/EU (ATEX)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

EN 55015  
EN 60079-0  
EN 60079-18  
EN 60079-31  
EN 60079-7  
EN 60598-1  
EN 60598-2-1  
EN 60598-2-5  
EN 60598-2-22  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 62471  
IEC/TR 62778  
EN 63000

Atex execution - Gas	II 2G - Ex eb mb IIC T4 Gb
Atex execution - Dust	II 2D - Ex tb IIIC T 85°C Db
Body material	Marine aluminium alloy (EN 44300)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	RAL 9005 Jet black
Diffuser material	Extra clear tempered glass
Protection rating	IP66
Impact resistance according to IEC 60079-0	7J (body) 4J (glass)
Corrosivity category according to ISO 12944	Equivalent to C5-M / C4-H
Mounting system	U-bracket with adjustment range of -135° to +135°
Ambient operating temperature	-35°C - +45°C (-40°C on request)
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 115 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing UV-resistant polycarbonate lenses sealed to the LED module by silicone resin
Colour rendering index according to EN 62717	CRI ≥ 80
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 4%
Luminous flux maintenance	L90 B10 110,000h Tq= +40°C L90 B10 230,000h Tq= +25°C
Insulation class	I
Supply voltage	160-277 Vac/160-250 Vdc 0/50/60Hz
Surge protection	6 kV common mode and differential mode (IEC 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Spring clamps and M20 cable gland
Max. conductor cross-section	1 - 2.5 mm <sup>2</sup>
Entry cable diameter	10 - 14 mm

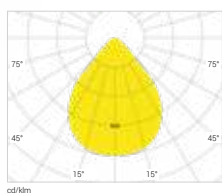
Versions with colour temperatures from 3000K to 6500K and ambient temperatures down to -40°C are also available.

TAISBOX-EX series junction boxes certified for zone 1, 2, 21, 22 complete with cable glands and terminals for larger cable diameters and/or in/out solutions are available on page 249.



## XTIGUA-EX floodlight - Zones 1, 2, 21, 22

4,000 K - 230,000 h

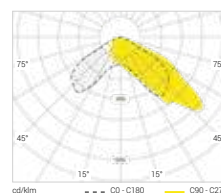


Symmetrical 81° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Max. ambient temperature (°C)	Version	Palazzoli code
151	20900	17365	+45	DALI	<b>818021EX</b>
216	29800	24840	+40		<b>818022EX</b>
201	27800	23115	+35		<b>818023EX</b>
288	39800	33120	+30		<b>818024EX</b>

**Equipment included:** wall-mounting bracket.

**Notes:** the stated flux and power values may be subject to a +/- 7% tolerance.



Asymmetrical 50° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Max. ambient temperature (°C)	Version	Palazzoli code
151	20900	17365	+45	DALI	<b>818221EX</b>
216	29800	24840	+40		<b>818222EX</b>
201	27800	23115	+35		<b>818223EX</b>
288	39800	33120	+30		<b>818224EX</b>

**Equipment included:** wall-mounting bracket.

**Notes:** the stated flux and power values may be subject to a +/- 7% tolerance.

## Accessories XTIGUA-EX



Protection grid for XTIGUA LED floodlights

Manufacturing material	Palazzoli code
galvanised steel	<b>818992</b>



Cross beam for pole-top installation for 1 XTIGUA series floodlight

Manufacturing material	Palazzoli code
painted galvanised steel	<b>818990</b>

**Notes:** cross beam suitable for mounting up to 2 floodlights. The cross beam can be installed on  $\varnothing$  60 to  $\varnothing$  76 mm poles.



Cross beam for pole-top installation for 2 or 4 XTIGUA series floodlights

Manufacturing material	Palazzoli code
painted galvanised steel	<b>818991</b>

**Notes:** cross beam suitable for mounting up to 4 floodlights. The cross beam can be installed on  $\varnothing$  60 to  $\varnothing$  76 mm poles.



# TIGUA-EX floodlight - Zones 2, 21, 22

4,000 K - 230,000 h



7

## YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



## DIRECTIVES

2014/30/EU (EMC)  
2014/34/EU (ATEX)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

EN 55015  
EN 60079-0  
EN 60079-18  
EN 60079-31  
EN 60079-7  
EN 60598-1  
EN 60598-2-1  
EN 60598-2-5  
EN 60598-2-22  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 62471  
IEC/TR 62778  
EN 63000

Atex execution - Gas	II 3G - Ex ec mc IIC T4 Gc
Atex execution - Dust	II 2D - Ex tb IIIC T 85°C Db
Body material	Marine aluminium alloy (EN 44300)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	RAL 9005 Jet black
Diffuser material	Extra clear tempered glass
Protection rating	IP66
Impact resistance according to IEC 60079-0	7J (body) 4J (glass)
Corrosivity category according to ISO 12944	Equivalent to C5-M / C4-H
Mounting system	U-bracket with adjustment range of -135° to +135°
Ambient operating temperature	-35°C - +50°C (-40°C on request)
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 125 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing, UV-resistant PMMA lenses with >90% efficiency and >95% transparency
Colour rendering index according to EN 62717	GRI ≥ 70
Colour consistency	MacAdam 4-step
Photobiological risk	RGO - Exempt Group (EN 62471)
Residual flicker	< 4%
Luminous flux maintenance	L90 B10 110,000h Tq= +40°C L90 B10 230,000h Tq= +25°C
Insulation class	I
Supply voltage	110-277 Vac/110-250 Vdc: 50 W/72 W/101 W 160-277 Vac/160-250 Vdc: 144W 0/50/60Hz
Surge protection	6 kV common mode and differential mode (IEC 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Spring clamps and M20 cable gland
Max. conductor cross-section	1 - 2.5 mm <sup>2</sup>
Entry cable diameter	10 - 14 mm

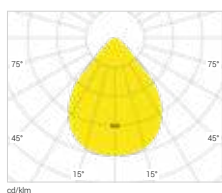
Versions with dedicated optics, colour temperatures from 3000K to 6500K and ambient temperatures down to -40°C are also available.

TAISBOX-EX series junction boxes certified for zone 1, 2, 21, 22 complete with cable glands and terminals for larger cable diameters and/or in/out solutions are available on page 249.



## TIGUA-EX floodlight - Zones 2, 21, 22

4,000 K - 230,000 h

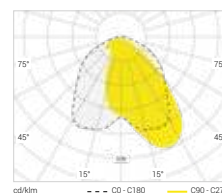


Symmetrical 81° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Max. ambient temperature (°C)	Version	Palazzoli code
50	7600	6312	+50	DALI	<b>837021EX</b>
72	10800	9000	+40		<b>837022EX</b>
101	15150	12625	+50		<b>837023EX</b>
144	21600	18000	+40		<b>837024EX</b>

**Equipment included:** wall-mounting bracket.

**Notes:** the stated flux and power values may be subject to a +/- 7% tolerance.



Asymmetrical 23° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Max. ambient temperature (°C)	Version	Palazzoli code
50	7600	6312	+50	DALI	<b>837221EX</b>
72	10800	9000	+40		<b>837222EX</b>
101	15150	12625	+50		<b>837223EX</b>
144	21600	18000	+40		<b>837224EX</b>

**Equipment included:** wall-mounting bracket.

**Notes:** the stated flux and power values may be subject to a +/- 7% tolerance.

## Accessories TIGUA-EX



Protection guard

Manufacturing material	Palazzoli code
galvanised steel	<b>811911</b>



Support for wall mounting with projecting arm – 750mm projection

Manufacturing material	Palazzoli code
painted galvanised steel	<b>811914</b>



Universal mounting bracket for pole-top installation for 60 mm and 76 mm nominal pole Ø

Manufacturing material	Palazzoli code
painted galvanised steel	<b>811908</b>



Kit consisting of collar and plate for 60 mm and 76 mm nominal pole Ø

Manufacturing material	Palazzoli code
painted galvanised steel	<b>811912</b>



# XTIGUA-EX floodlight - Zones 2, 21, 22

4,000 K - 230,000 h



7

## YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



## DIRECTIVES

2014/30/EU (EMC)  
2014/34/EU (ATEX)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

EN 55015  
EN 60079-0  
EN 60079-18  
EN 60079-31  
EN 60079-7  
EN 60598-1  
EN 60598-2-1  
EN 60598-2-5  
EN 60598-2-22  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 62471  
IEC/TR 62778  
EN 63000

Atex execution - Gas	II 3G - Ex ec mc IIC T4 Gc
Atex execution - Dust	II 2D - Ex tb IIIC T 85°C Db
Body material	Marine aluminium alloy (EN 44300)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	RAL 9005 Jet black
Diffuser material	Extra clear tempered glass
Protection rating	IP66
Impact resistance according to IEC 60079-0	7J (body) 4J (glass)
Corrosivity category according to ISO 12944	Equivalent to C5-M / C4-H
Mounting system	U-bracket with adjustment range of -135° to +135°
Ambient operating temperature	-35°C - +45°C (-40°C on request)
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 130 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing, UV-resistant PMMA lenses with >90% efficiency and >95% transparency
Colour rendering index according to EN 62717	CRI ≥ 70
Colour consistency	MacAdam 4-step
Photobiological risk	RGO - Exempt Group (EN 62471)
Residual flicker	< 4%
Luminous flux maintenance	L90 B10 110,000h Tq= +40°C L90 B10 230,000h Tq= +25°C
Insulation class	I
Supply voltage	160-277 Vac/110-250 Vdc 0/50/60Hz
Surge protection	6 kV common mode and differential mode (IEC 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Spring clamps and M20 cable gland
Max. conductor cross-section	1 - 2.5 mm <sup>2</sup>
Entry cable diameter	10 - 14 mm

Versions with dedicated optics, colour temperatures from 3000K to 6500K and ambient temperatures down to -40°C are also available.

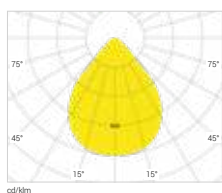
TAISBOX-EX series junction boxes certified for zone 1, 2, 21, 22 complete with cable glands and terminals for larger cable diameters and/or in/out solutions are available on page 249.





## XTIGUA-EX floodlight - Zones 2, 21, 22

4,000 K - 230,000 h

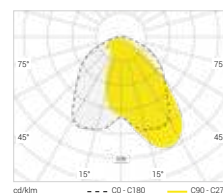


Symmetrical 81° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Max. ambient temperature (°C)	Version	Palazzoli code
151	23600	19630	+45	DALI	<b>838021EX</b>
216	33200	27648	+40		<b>838022EX</b>
201	31500	26208	+35		<b>838023EX</b>
288	44300	36864	+30		<b>838024EX</b>

**Equipment included:** wall-mounting bracket.

**Notes:** the stated flux and power values may be subject to a +/- 7% tolerance.



Asymmetrical 23° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Max. ambient temperature (°C)	Version	Palazzoli code
151	23600	19630	+45	DALI	<b>838221EX</b>
216	33200	27648	+40		<b>838222EX</b>
201	31500	26208	+35		<b>838223EX</b>
288	44300	36864	+30		<b>838224EX</b>

**Equipment included:** wall-mounting bracket.

**Notes:** the stated flux and power values may be subject to a +/- 7% tolerance.

## Accessories X-TIGUA-EX



Protection grid for XTIGUA LED floodlights

Manufacturing material	Palazzoli code
galvanised steel	<b>818992</b>



Cross beam for pole-top installation for 1 XTIGUA series floodlight

Manufacturing material	Palazzoli code
painted galvanised steel	<b>818990</b>

**Notes:** cross beam suitable for mounting up to 2 floodlights. The cross beam can be installed on  $\varnothing$  60 to  $\varnothing$  76 mm poles.



Cross beam for pole-top installation for 2 or 4 XTIGUA series floodlights

Manufacturing material	Palazzoli code
painted galvanised steel	<b>818991</b>

**Notes:** cross beam suitable for mounting up to 4 floodlights. The cross beam can be installed on  $\varnothing$  60 to  $\varnothing$  76 mm poles.

# RINOLED-EX





## RINO LED-EX 690 mm and 1300 mm - Zones 1, 2, 21, 22

### ADVANTAGES



1

The light fixture is ATEX-certified by a third party for zone 1, 2, 21, 22. The driver placed inside it is resin-coated and suitable for highly explosive environments. In the versions for zone 1, the LED board is sealed with silicone resin.

The stainless steel casing and the special silicone seal guarantee high resistance to corrosion and aggressive atmospheres.

2



The possibility of special solutions makes the light fixture suitable for installation in any environment, whether with very high temperatures (up to +60 °C) or very low temperatures (down to -40 °C). The fastening system with eyebolts enables the device to be mounted to the ceiling without opening it.

3



The extra wide beam, narrow beam and comfort optics use specialist lenses with a glare index of UGR<22.

4





# RINO LED-EX light fixture 690 mm and 1300 mm - Zones 1, 2, 21, 22



Atex execution - Gas	II 2G - Ex eb mb IIC T6/T5 Gb
Atex execution - Dust	II 2D - Ex tb IIIC T 85°C Db
Body material	AISI 304 stainless steel
Surface treatment	Natural finish
Diffuser material	Extra clear tempered glass
Protection rating	IP65
Impact resistance according to IEC 60079-0	7J (body) 4J (glass)
Corrosivity category	Equivalent to C5-H
Mounting system	Pair of eyebolts in AISI 304 stainless steel
Ambient operating temperature	-35°C - +60°C (-40°C on request) 0°C - +45°C (emergency versions)
Ambient storage temperature	-40°C - +75°C -20°C - +60°C (emergency versions)
Actual efficacy of the device	Up to 148 lm/W
Colour temperature	4,000 K
Optics features	Anti-ageing- and UV-resistant silicone resin with > 95% efficiency
Colour rendering index values	CRI ≥ 80
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 4%
Luminous flux maintenance	L80 B10 @90,000h Tq= +25°C
Emergency battery lifetime	1h - 3h
Emergency battery charging time	24h
Insulation class	I
Supply voltage	220-240V - - 180-240Vcc 110-277 Vac/110-250 Vdc (DALI) 0/50/60Hz
Surge protection	6 kV common mode and differential mode (IEC 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Spring clamps and M20 cable gland
Max. conductor cross-section	1 - 2.5 mm²
Entry cable diameter	10 - 14 mm

7

## YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



## DIRECTIVES

2014/30/EU (EMC)  
2014/34/EU (ATEX)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

EN 55015  
EN 60079-0  
EN 60079-18  
EN 60079-31  
EN 60079-7  
EN 60598-1  
EN 60598-2-1  
EN 60598-2-22  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 62471  
IEC/TR 62778  
EN 63000

**Feed-through wiring versions are also available, in AISI 316L stainless steel and with colour temperatures from 3000K to 6500K.**

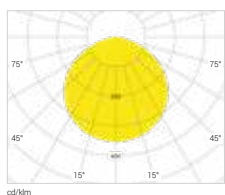
**TAISBOX-EX series junction boxes certified for zone 1, 2, 21, 22 complete with cable glands and terminals for larger cable diameters and/or in/out solutions are available on page 249.**



# RINO LED-EX light fixture Zones 1, 2, 21, 22

690 mm 4,000 K - 90,000 h

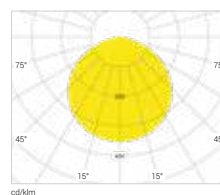
1300 mm 4,000 K - 90,000 h



Symmetrical 110° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Max. ambient temperature (°C)	Version	Palazzoli code
<b>AISI 304 stainless steel</b>					
23	4080	3400	+60		<b>821172EX</b>
36	6200	5180	+50	on-off	<b>821272EX</b>
56	9450	7870	+45		<b>821372EX</b>
71	11550	9623	+35		<b>821472EX</b>
<b>Emergency</b>					
36	6200	5180 967 in EM	+45	on-off emergency 1h	<b>821270EX</b>
71	11550	9623 912 in EM	+35	1h	<b>821470EX</b>
36	6200	5180 420 in EM	+45	on-off emergency	<b>821273EX</b>
71	11550	9623 414 in EM	+35	3h	<b>821473EX</b>

**Equipment included:** pair of eyebolts in AISI 304 stainless steel for pendant mounting.  
**Notes:** the stated flux and power values may be subject to a +/- 7% tolerance.



Symmetrical 110° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Max. ambient temperature (°C)	Version	Palazzoli code
<b>AISI 304 stainless steel</b>					
47	8200	6831	+60		<b>821572EX</b>
71	11690	9736	+45	on-off	<b>821672EX</b>
86	14800	12353	+45	DALI	<b>821772EX</b>
<b>Emergency</b>					
71	11690	9736 925 in EM	+45	on-off emergency 1h	<b>821670EX</b>
86	14800	12353 930 in EM		<b>821770EX</b>	
71	11690	9736 420 in EM		on-off emergency	<b>821673EX</b>
86	14800	12353 400 in EM		3h	<b>821773EX</b>

**Equipment included:** pair of eyebolts in AISI 304 stainless steel for pendant mounting.  
**Notes:** the stated flux and power values may be subject to a +/- 7% tolerance.

**Accessories** RINO LED-EX on page 391





# RINO LED-EX light fixture 690 mm and 1300 mm - Zones 2, 21, 22



Atex execution - Gas	II 3G - Ex ec mc IIC T6/T5 Gc
Atex execution - Dust	II 2D - Ex tb IIIC T 85°C Db
Body material	AISI 304 stainless steel Painted galvanised steel
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	White RAL 9016
Diffuser material	Extra clear tempered glass
Protection rating	IP65
Impact resistance according to IEC 60079-0	7J (body) 4J (glass)
Corrosivity category	Equivalent to C5-H AISI 304 stainless steel
Mounting system	Pair of eyebolts in AISI 304 stainless steel
Ambient operating temperature	-35°C - +55°C (-40°C on request) 0°C - +45°C (emergency versions)
Ambient storage temperature	-40°C - +70°C -30°C - +50°C (emergency versions)
Actual efficacy of the device	Up to 137 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing, UV-resistant PMMA lenses with >90% efficiency and >95% transparency
Colour rendering index values	CRI ≥ 80
Colour consistency	MacAdam 3-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 4%
Luminous flux maintenance	L80 B10 @50,000 h Tq= +25°C
Emergency battery lifetime	1h - 3h
Emergency battery charging time	24h
Insulation class	I
Supply voltage	220-240V~ - 180-240Vcc 0/50/60Hz
Surge protection	6 kV common mode and differential mode (IEC 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Spring clamps and M20 cable gland
Max. conductor cross-section	1 - 2.5 mm²
Entry cable diameter	10 - 14 mm

7

## YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



## DIRECTIVES

2014/30/EU (EMC)  
2014/34/EU (ATEX)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

EN 55015  
EN 60079-0  
EN 60079-18  
EN 60079-31  
EN 60079-7  
EN 60598-1  
EN 60598-2-1  
EN 60598-2-22  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 62471  
IEC/TR 62778  
EN 63000

Versions are also available with ambient temperatures down to -40°C and up to +60°C; with feed-through wiring, in AISI 316L stainless steel and with colour temperatures from 3000K to 6500K.

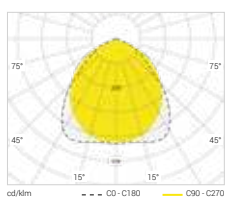
TAISBOX-EX series junction boxes certified for zone 1, 2, 21, 22 complete with cable glands and terminals for larger cable diameters and/or in/out solutions are available on page 249.



# RINO LED-EX light fixture 690 mm and 1300 mm - Zones 2, 21, 22

690 mm 4,000 K - 50,000 h

1,300 mm 4,000 K - 50,000 h



88° symmetrical optics

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Max. ambient temperature (°C)	Version	Palazzoli code
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### AISI 304 stainless steel

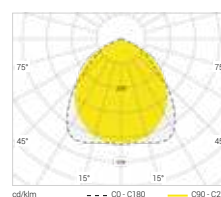
26	4100	3562	+55	on-off	<b>821192EX</b>
38	6133	5130			<b>821292EX</b>

### Emergency

38	4100	3562	+45	on-off emergency	<b>821190EX</b>
		1010 in EM			
71	6133	5130	1h	<b>821290EX</b>	
		1010 in EM			
26	4100	3562	on-off emergency	<b>821193EX</b>	
		400 in EM			
38	6133	5130	3h	<b>821293EX</b>	
		400 in EM			

### Painted galvanised steel

26	4100	3562	+55	on-off	<b>841192EX</b>
38	6133	5130			<b>841292EX</b>



88° symmetrical optics

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Max. ambient temperature (°C)	Version	Palazzoli code
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### AISI 304 stainless steel

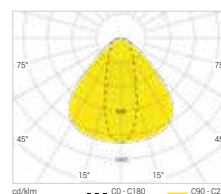
52	8200	7072	+55	on-off	<b>821392EX</b>
75	12260	10050			<b>821492EX</b>

### Emergency

52	8200	7072	+45	on-off emergency	<b>821390EX</b>
		1010 in EM			
75	12260	10050	1h	<b>821490EX</b>	
		1010 in EM			
52	8200	7072	on-off emergency	<b>821393EX</b>	
		400 in EM			
75	12260	10050	3h	<b>821493EX</b>	
		400 in EM			

### Painted galvanised steel

52	8200	7072	+55	on-off	<b>841392EX</b>
75	12260	10050			<b>841492EX</b>



Narrow beam optics 30°x90°

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Max. ambient temperature (°C)	Version	Palazzoli code
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### AISI 304 stainless steel

52	8200	6500	+55	on-off	<b>820392EX</b>
75	12260	9525			<b>820492EX</b>

### Painted galvanised steel

52	8200	6500	+55	on-off	<b>840392EX</b>
75	12260	9525			<b>840492EX</b>

**Equipment included:** pair of AISI 304 stainless steel eyebolts for pendant mounting.  
**Notes:** the stated flux and power values may be subject to a +/- 7% tolerance.

## Accessories RINO LED-EX on page 391



# TIGUA-EX pendant light fixture - Zones 1, 2, 21, 22

4,000 K - 230,000 h



**7 YEARS OF WARRANTY**  
2 YEARS OPTIONALLY EXTENDABLE TO 7



## DIRECTIVES

2014/30/EU (EMC)  
2014/34/EU (ATEX)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

EN 55015  
EN 60079-0  
EN 60079-18  
EN 60079-31  
EN 60079-7  
EN 60598-1  
EN 60598-2-1  
EN 60598-2-5  
EN 60598-2-22  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 62471  
IEC/TR 62778  
EN 63000

Atex execution - Gas	II 2G - Ex eb mb IIC T4 Gb
Atex execution - Dust	II 2D - Ex tb IIIC T 85°C Db
Body material	Marine aluminium alloy (EN 44300)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	RAL 9005 Jet black
Diffuser material	Extra clear tempered glass
Protection rating	IP66
Impact resistance	7J (body) 4J (glass)
Corrosivity category	Equivalent to C5-M / C4-H
Mounting system	Pendant mounting
Ambient operating temperature	-35°C - +50°C (-40°C on request)
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 115 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing UV-resistant polycarbonate lenses sealed to the LED module by silicone resin
Colour rendering index according to EN 62717	CRI ≥ 80
Colour consistency	MacAdam 4-step
Photobiological risk	RGO - Exempt Group (EN 62471)
Residual flicker	< 4%
Luminous flux maintenance	L90 B10 110,000h Tq= +40°C L90 B10 230,000h Tq= +25°C
Insulation class	I
Supply voltage	110-277 Vac/110-250 Vdc: 50 W/72 W/101 W 160-277 Vac/160-250 Vdc: 144W 0/50/60Hz
Surge protection	6 kV common mode and differential mode (IEC 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Spring clamps and M20 cable gland
Max. conductor cross-section	1 - 2.5 mm <sup>2</sup>
Entry cable diameter	10 - 14 mm

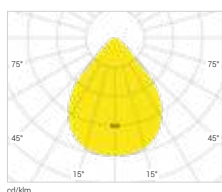
Versions with colour temperatures from 3000K to 6500K and ambient temperatures down to -40°C are also available.

TAISBOX-EX series junction boxes certified for zone 1, 2, 21, 22 complete with cable glands and terminals for larger cable diameters and/or in/out solutions are available on page 249.



## TIGUA-EX pendant light fixture - Zones 1, 2, 21, 22

4,000 K - 230,000 h



### Symmetrical 81° extra wide beam optics

Power (W)	Nominal flux (lm) <sub>Tj=25 °C</sub>	Output flux (lm) <sub>Tq=25 °C</sub>	Max. ambient temperature (°C)	Version	Palazzoli code
50	6980	5808	+50	DALI	<b>817031EX</b>
72	9950	8280	+40		<b>817032EX</b>
101	13950	11615	+50		<b>817033EX</b>
144	19850	16560	+40		<b>817034EX</b>

**Equipment included:** double chain bracket and busbar.

**Notes:** recommended installation height: between 4 m and 7 m.  
The stated flux and power values may be subject to a +/- 7% tolerance.

## Accessories TIGUA-EX



0 - 90° adjustable connection for catenary wire installation

Manufacturing material	Palazzoli code
galvanised steel	<b>811921</b>



Swivelling connection 0 - 90° for double chain and busbar installation

Manufacturing material	Palazzoli code
galvanised steel	<b>811919</b>



Kit with bracket for ceiling installation

Manufacturing material	Palazzoli code
galvanised steel	<b>811916</b>



Set of brackets for installation with 60 mm Ø pole

Manufacturing material	Palazzoli code
galvanised steel	<b>811920</b>



# XTIGUA-EX pendant light fixtures - Zone 1, 2, 21, 22

4,000 K - 230,000 h



7

## YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



## DIRECTIVES

2014/30/EU (EMC)  
2014/34/EU (ATEX)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

EN 55015  
EN 60079-0  
EN 60079-18  
EN 60079-31  
EN 60079-7  
EN 60598-1  
EN 60598-2-1  
EN 60598-2-5  
EN 60598-2-22  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 62471  
IEC/TR 62778  
EN 63000

Atex execution - Gas	II 2G - Ex eb mb IIC T4 Gb
Atex execution - Dust	II 2D - Ex tb IIIC T 85°C Db
Body material	Marine aluminium alloy (EN 44300)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	RAL 9005 Jet black
Diffuser material	Extra clear tempered glass
Protection rating	IP66
Impact resistance	7J (body) 4J (glass)
Corrosivity category	Equivalent to C5-M / C4-H
Mounting system	Pendant mounting
Ambient operating temperature	-35°C - +50°C (-40°C on request)
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 115 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing UV-resistant polycarbonate lenses sealed to the LED module by silicone resin
Colour rendering index according to EN 62717	CRI ≥ 80
Colour consistency	MacAdam 4-step
Photobiological risk	RGO - Exempt Group (EN 62471)
Residual flicker	< 4%
Luminous flux maintenance	L90 B10 110,000h Tq= +40°C L90 B10 230,000h Tq= +25°C
Insulation class	I
Supply voltage	160-277 Vac/160-250 Vdc 0/50/60Hz
Surge protection	6 kV common mode and differential mode (IEC 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Spring clamps and M20 cable gland
Max. conductor cross-section	1 - 2.5 mm <sup>2</sup>
Entry cable diameter	10 - 14 mm

Versions with colour temperatures from 3000K to 6500K and ambient temperatures down to -40°C are also available.

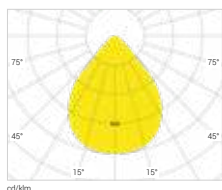
TAISBOX-EX series junction boxes certified for zone 1, 2, 21, 22 complete with cable glands and terminals for larger cable diameters and/or in/out solutions are available on page 249.





## XTIGUA-EX pendant light fixtures - Zone 1, 2, 21, 22

4,000 K - 230,000 h



Symmetrical 81° extra wide beam optics

Power (W)	Nominal flux (lm) <sub>Tj=25°C</sub>	Output flux (lm) <sub>Tq=25°C</sub>	Max. ambient temperature (°C)	Version	Palazzoli code
151	20900	17365	+45	DALI	<b>818031EX</b>
216	29800	24840	+40		<b>818032EX</b>
201	27800	23115	+35		<b>818033EX</b>
288	39800	33120	+30		<b>818034EX</b>

**Equipment included:** double chain bracket and busbar.

**Notes:** recommended installation height: between 9 m and 15 m.  
The stated flux and power values may be subject to a +/- 7% tolerance.



Adjustable connection 0 - 90°  
for double chain installation

Manufacturing material	Palazzoli code
galvanised steel	<b>819994</b>

# XTIGUA-EX

illuminates the Marcegaglia factory in Ravenna





# META<sub>150</sub>-EX pendant light fixture - Zones 2, 21, 22

4,000 K - 230,000 h



7

## YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



## DIRECTIVES

2014/30/EU (EMC)  
2014/34/EU (ATEX)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

## PRODUCT STANDARDS

EN 55015  
EN 60079-0  
EN 60079-18  
EN 60079-31  
EN 60079-7  
EN 60598-1  
EN 60598-2-1  
EN 60598-2-5  
EN 60598-2-22  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 62471  
IEC/TR 62778  
EN 63000

Atex execution - Gas	II 3G - Ex ec mc IIC T5 Gc
Atex execution - Dust	II 2D - Ex tb IIIC T 85°C Db
Body material	Aluminium alloy (EN 46100)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	RAL 9005 Jet black
Diffuser material	Extra clear tempered glass
Protection rating	IP66
Impact resistance	7J (body) 4J (glass)
Corrosivity category	Equivalent to C4-M / C3-H
Mounting system	Pendant mounting
Ambient operating temperature	-35°C - +40°C (-40°C - +50°C on request)
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 148 lm/W
Colour temperature	4,000 K
Optics features	Non-aging UV-resistant polycarbonate lenses with > 90% efficiency and > 95% transparency
Colour rendering index according to EN 62717	CRI ≥ 80
Colour consistency	MacAdam 3-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 4%
Luminous flux maintenance	L90 B10 110,000h Tq= +40°C L90 B10 230,000h Tq= +25°C
Insulation class	I
Supply voltage	220 V-240 V 60 W 110-277 Vac/110-250 Vdc: 97W 160-277 Vac/160-250 Vdc: 112 W/134 W 0/50/60Hz
Surge protection	6 kV common mode and differential mode (IEC 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Spring clamps and M20 cable gland
Max. conductor cross-section	1 - 2.5 mm <sup>2</sup>
Entry cable diameter	10 - 14 mm

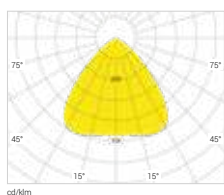
Versions with colour temperatures from 3000K to 6500K and ambient temperatures up to +50 °C are also available.

TAISBOX-EX series junction boxes certified for zone 1, 2, 21, 22 complete with cable glands and terminals for larger cable diameters and/or in/out solutions are available on page 249.



## META<sub>150</sub>-EX pendant light fixture - Zones 2, 21, 22

4,000 K - 230,000 h



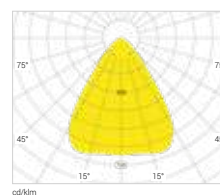
Extra wide beam optics, comfort 90°

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Max. ambient temperature (°C)	Version	Palazzoli code
60	10296	8748	+50	on-off	<b>810430EX</b>
97	17227	14356			<b>810440EX</b>
112	20300	16576	+40	DALI	<b>810450EX</b>
134	24200	19832			<b>810460EX</b>

**Equipment included:** quick connection for pendant mounting.

**Notes:** recommended installation height: between 5 m and 8 m.

The stated flux and power values may be subject to a +/- 7% tolerance.



75° medium beam optics

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Max. ambient temperature (°C)	Version	Palazzoli code
60	10296	8580	+50	on-off	<b>810431EX</b>
97	17227	14065			<b>810441EX</b>
112	20300	16352	+40	DALI	<b>810451EX</b>
134	24200	19564			<b>810461EX</b>

**Equipment included:** quick connection for pendant mounting.

**Notes:** recommended installation height: between 5 m and 8 m.

The stated flux and power values may be subject to a +/- 7% tolerance.

## Accessories META<sub>150</sub>-EX



Adjustable bracket for wall installation poles and light towers

Manufacturing material	Palazzoli code
galvanised steel	<b>810999</b>



0-90° swivelling attachment for double chain and busbar installation

Manufacturing material	Palazzoli code
galvanised steel	<b>810996</b>



Bracket for ceiling installation

Manufacturing material	Palazzoli code
galvanised steel	<b>810998</b>



Catenary wire installation bracket 0-90° adjustable

Manufacturing material	Palazzoli code
galvanised steel	<b>810994</b>



Bracket for double chain and busbar installation

Manufacturing material	Palazzoli code
galvanised steel	<b>810997</b>



Bracket for installation with Ø 60 mm pole

Manufacturing material	Palazzoli code
galvanised steel	<b>810995</b>



## RINO-EX fluorescent - Zones 1, 2, 21, 22



Atex execution - Gas	II 2G - Ex e mb IIC T4 Gb
Atex execution - Dust	II 2D - Ex tb IIIC T 70°C Db
Body material	AISI 304 stainless steel
Surface treatment	Natural finish
Diffuser material	Extra clear tempered glass
Protection rating	IP66
Impact resistance	7J (body) 4J (glass)
Corrosivity category	Equivalent to C5-H
Mounting system	Provided with 2 M8 threaded holes
Ambient operating temperature	-40°C - +55°C
Ambient storage temperature	-40°C - +70°C
Lamp holder type	G13 T8 preventing the unhooking
Insulation class	I
Supply voltage	110V - 230V - 240V 0/50/60Hz
Power factor	> 0.97
Type of power supply	Spring clamps and M20 cable gland
Max. conductor cross-section	1 - 2.5 mm <sup>2</sup>
Entry cable diameter	10 - 14 mm



### DIRECTIVES

2014/30/EU (EMC)  
2014/34/EU (ATEX)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

### PRODUCT STANDARDS

EN 55015  
EN 60079-0  
EN 60079-18  
EN 60079-31  
EN 60079-7  
EN 60598-1  
EN 60598-2-1  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 63000



## RINO-EX fluorescent - Zones 1, 2, 21, 22



Light fixtures  
in AISI 304 stainless steel

Length (mm)	Power (W)	Tube type	Max. ambient temperature (°C)	Reflector	Version	Palazzoli code
690	1x18	T8	+55	white	on-off	<b>822181EX</b>
	2x18					<b>822182EX</b>
1300	1x36					<b>822281EX</b>
	2x36					<b>822282EX</b>

**Features:** fluorescent tubes are not included.  
Light fixture predisposed with 2+1 M20 holes for in-out connection.  
2 M8 threaded holes for fixing the accessories.

## Accessories RINO-EX fluorescent



Pair of adjustable supports  
for wall or ceiling installation

Manufacturing material	Palazzoli code
AISI 304 stainless steel	<b>820010</b>



Pairs of "V" supports  
for ceiling installation

Manufacturing material	Palazzoli code
AISI 304 stainless steel	<b>820017</b>



Pairs of hooks  
for pendant mounting

Manufacturing material	Palazzoli code
AISI 304 stainless steel	<b>820011</b>



Pendant mounting  
and ceiling adaptation kit

Manufacturing material	Palazzoli code
AISI 304 stainless steel	<b>820018</b>

**Notes:** in the case of relamping, the adapter kit enables to adjust the fixing distances of the light fixture to those already present in the system.



Pair of collars  
for mounting steel light fixtures  
on tube

Manufacturing material	Palazzoli code
AISI 304 stainless steel	<b>820016</b>



Quick fastening kit  
for ceiling mounting

Manufacturing material	Palazzoli code
AISI 304 stainless steel	<b>820019</b>





## RINO-EX fluorescent - Zones 2, 21, 22



Atex execution - Gas	II 3G - Ex nA IIC T4 Gc
Atex execution - Dust	II 2D - Ex tb IIIC T 85°C Db
Body material	AISI 304 stainless steel
Surface treatment	Natural finish
Diffuser material	Extra clear tempered glass
Protection rating	IP66
Impact resistance	7J (body) 4J (glass)
Corrosivity category	Equivalent to C5-H
Mounting system	Pair of AISI 304 stainless steel hooks
Ambient operating temperature	-20°C - +40°C (2 tubes) -20°C - +50°C (1 tube)
Ambient storage temperature	-40°C - +70°C
Lamp holder type	G13 T8
Insulation class	I
Rated voltage	230V 50/60Hz
Power factor	> 0.90
Type of power supply	Spring clamps and M20 cable gland
Max. conductor cross-section	2.5 mm <sup>2</sup>
Entry cable diameter	10 - 14 mm



### DIRECTIVES

2014/30/EU (EMC)  
2014/34/EU (ATEX)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

### PRODUCT STANDARDS

EN 55015  
EN 60079-0  
EN 60079-15  
EN 60079-31  
EN 60079-7  
EN 60598-1  
EN 60598-2-1  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 63000



## RINO-EX fluorescent - Zones 2, 21, 22



Light fixtures  
in AISI 304 stainless steel

Length (mm)	Power (W)	Tube type	Max. ambient temperature (°C)	Reflector	Version	Palazzoli code
690	1x18	T8	+50	white	on-off	<b>822131EX</b>
	2x18		+40			<b>822132EX</b>
1300	1x36		+50			<b>822231EX</b>
	2x36		+40			<b>822232EX</b>

**Equipment included:** pair of hooks in AISI 304 steel for pendant mounting code 820001.

**Features:** fluorescent tubes are not included.

## Accessories RINO-EX fluorescent



Pairs of hooks  
for pendant mounting

Manufacturing material	Palazzoli code
AISI 304 stainless steel	<b>820001</b>



Pair of adjustable supports  
for wall and ceiling installation

Manufacturing material	Palazzoli code
AISI 304 stainless steel	<b>820000</b>



Pair of collars  
for installation on pipe

Manufacturing material	Palazzoli code
AISI 304 stainless steel	<b>820006</b>



## RINO-EX E27 - Zone 22



Atex execution - Dust	II 3D - Ex tc IIIC T 75°C Dc
Body material	Aluminium alloy
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	RAL 7035 Light grey (body) RAL 2011 Deep orange (cage)
Diffuser material	Prismatic tempered glass
Protection rating	IP65
Impact resistance	7J (body) 4J (glass)
Corrosivity category	Equivalent to C4-M / C3-H
Mounting system	Ready for wall installation
Ambient operating temperature	-20°C - +40°C
Ambient storage temperature	-40°C - +70°C
Lamp holder type	E27 porcelain
Insulation class	I
Rated voltage	230V 50/60Hz
Power factor	> 0.90
Type of power supply	Spring clamps and M20 cable gland
Max. conductor cross-section	2.5 mm <sup>2</sup>
Entry cable diameter	10 - 14 mm



### DIRECTIVES

2014/34/EU (ATEX)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)

### PRODUCT STANDARDS

EN 60079-0  
EN 60079-31  
EN 60598-1  
EN 60598-2-1  
EN 63000



## RINO-EX E27 - Zone 22



Oval light fixtures  
in aluminium alloy

Power (W)	Dimensions (W)	Lamp holder type	Max. ambient temperature (°C)	No. of entries	Version	Palazzoli code
18	119x112					<b>831072EX</b>
28	226x130	E27	+40	1	with steel cage	<b>831172EX</b>
53	295x170					<b>831272EX</b>

**Equipment included:** internal and external earth screw and cable gland.



Round light fixture  
in aluminium alloy

Power (W)	Dimensions (W)	Lamp holder type	Max. ambient temperature (°C)	No. of entries	Version	Palazzoli code
28	200x182	E27	+40	1	with steel cage	<b>830072EX</b>

**Equipment included:** internal and external earth screw and cable gland.

# RINO-EX

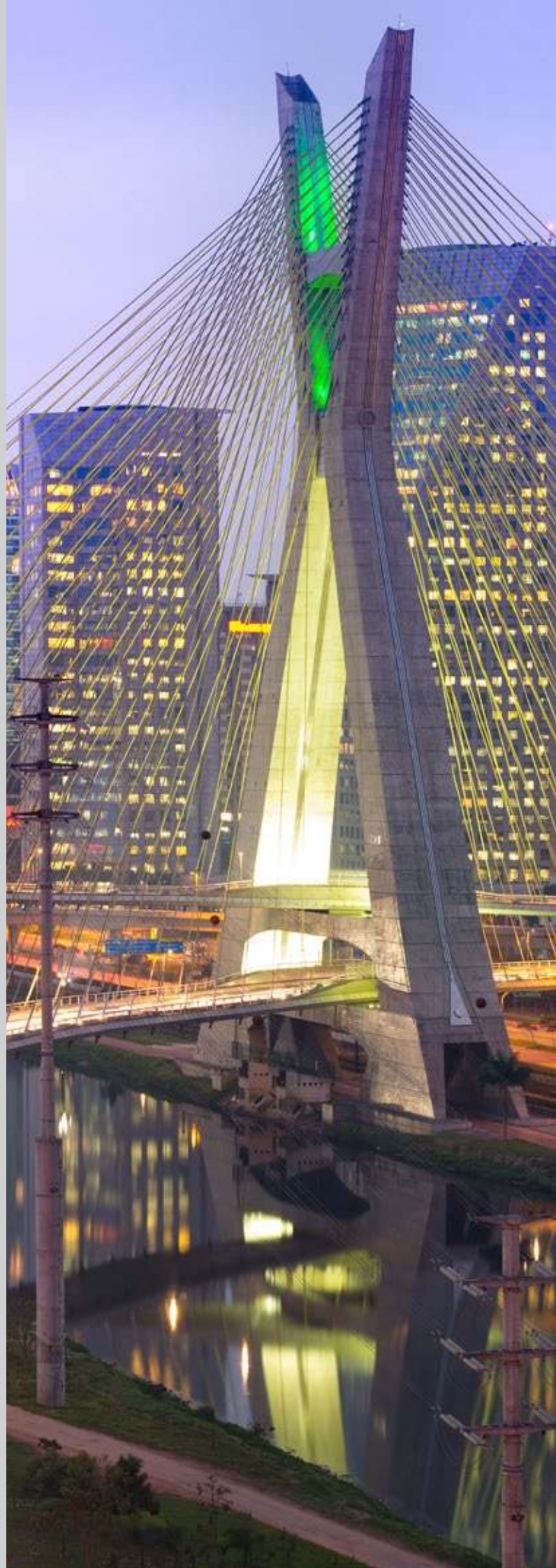
illuminates the technical premises of Esselunga in Milan



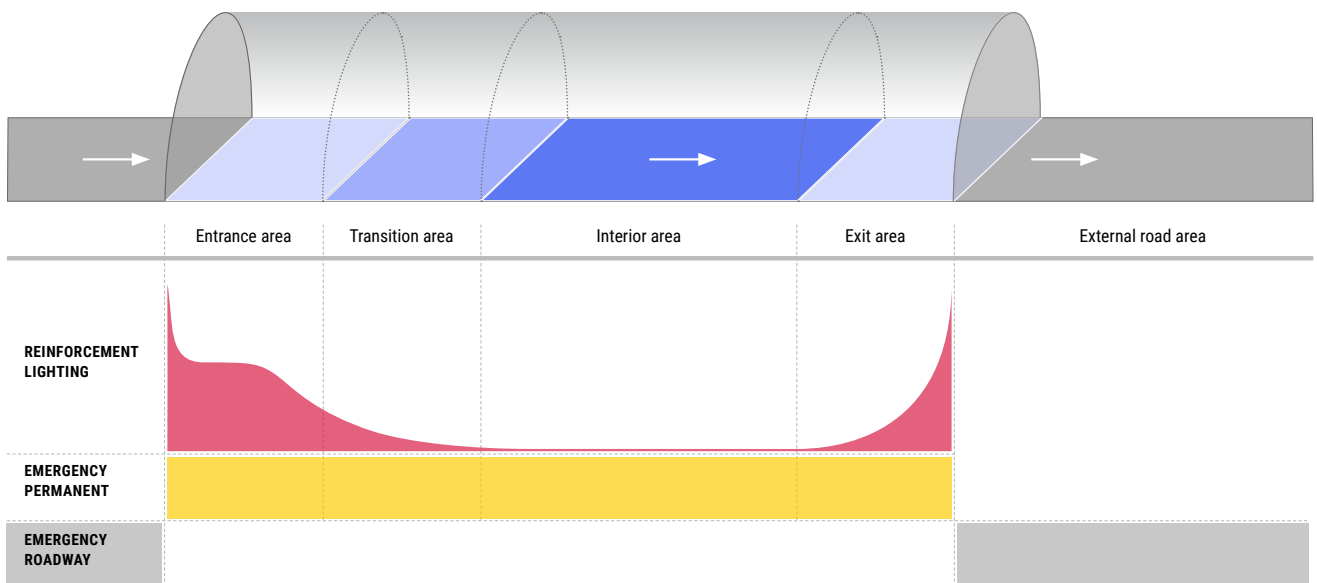


# Infrastructure

Excellent lighting performance, high mechanical standards and product reliability are the basis of the success of Palazzoli's lighting solutions for roads and tunnels. Thanks to the wide variety of optical solutions developed, which allow for maximum versatility and customised solutions, the Company can meet any need, whatever the road cross-sections or installation heights of roads and motorways, roundabouts, junctions and car parks. The use of the latest LED technology gives the system economic and technical advantages.







Roadway

Page 399

Tunnels

Page 399

# FIT 55

illuminates the Strada dei Parchi





# Marine

## LIGHT FIXTURES



### RINO-NAVE LED

From 930 lm to 4240 lm  
Page 419

## WELL GLASS FIXTURE



### RINO-NAVE LED WELL GLASS FIXTURE

1000 lm  
Page 420

## TRADITIONAL



### RINO fluorescent

Page 423



### NAVE E27

Page 425



# Infrastructure

## ROADWAY LIGHTING SYSTEM



### FIT 55

From 2820 lm to 29920 lm  
Page 403

## TUNNEL LIGHT FIXTURES



### TIGUA-T54

From 4160 lm to 15600 lm  
Page 409



### XTIGUA-T54

From 19470 lm to 49660 lm  
Page 409

## TUNNEL LIGHT FIXTURES



### RINO-T54

From 3630 lm to 4835 lm  
Page 413



### XRINO-T54

From 8000 lm to 42000 lm  
Page 413

# FIT 55



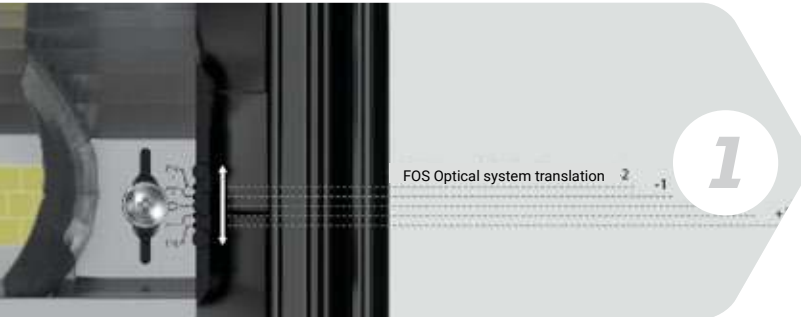




# FIT 55

3,000K - 4,000 K - 150,000 h

## ADVANTAGES



FIT 55 is equipped with the FOS (FIT 55 Optical System), which allows the optics to be adjusted in up to 5 positions, even when the product is already installed, to change the front and side light emission. This makes it possible to improve uniformity between poles or to adjust the optics if the luminous flux glares off the road.

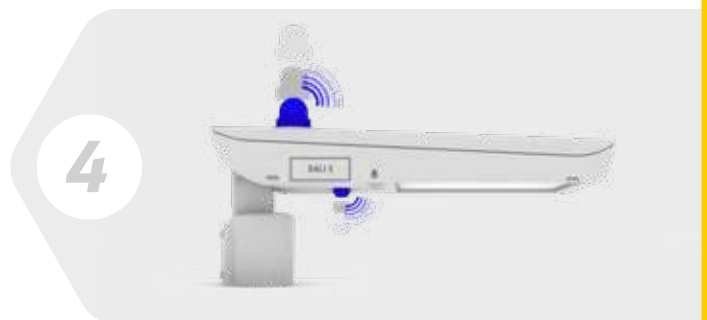
Reflectors made of 99.9% pure aluminium with silver PVD coating for high, long-lasting photometric efficiency and perfect glare control. The average luminous efficacy reaches 166 lm/W, with a lifetime of 150,000 hours at 25°C.



The isolator switch guarantees safe maintenance even without cutting of the power. The cover can be snapped off the body without tools. The electronic control unit is equipped protections against short-circuit, overvoltage and overtemperature.



Upon request, FIT 55 can be equipped or designed for the installation of NEMA or ZHAGA SOCKET, to centrally monitor and manage public lighting through wireless control that will allow integration with the IoT world.



To discover the features of FIT 55, scan the QR code.







# FIT 55

3,000K - 4,000 K - 150,000 h



**7 YEARS OF WARRANTY**  
2 YEARS OPTIONALLY EXTENDABLE TO 7



## DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)  
2009/125/EC (ErP)  
EU Reg. 2019/2020 (EcoDesign)

## PRODUCT STANDARDS

EN 55015  
EN 60598-1  
EN 60598-2-1  
EN 60598-2-3  
EN 60598-2-5  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 62471  
IEC/TR 62778  
EN 63000

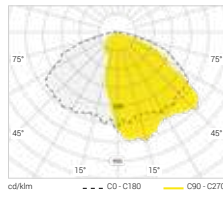
Body material	Aluminium alloy (EN 46100)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	Grey RAL 7011
Diffuser material	Extra clear tempered glass
Protection rating	IP66
Impact resistance	IK08
Corrosivity category	Equivalent to C4-M / C3-H
Mounting system	Pole mount 42 - 76 mm Pole-top -5°- +20° Projecting bracket -20°- +5°
Ambient operating temperature	-30°C - +40°C (+55°C on request)
Ambient storage temperature	-40°C - +70°C
Wind load surface	Size S side 0.03 m <sup>2</sup> - front 0.13 m <sup>2</sup> Size M side 0.04 m <sup>2</sup> - front 0.18 m <sup>2</sup>
Actual efficacy of the device	Up to 166 lm/W
Colour temperature	4,000 K - 3,000 K
Optics features	High efficacy 99.9% aluminium reflector
Colour rendering index values	CRI ≥ 70
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L80 B10@150,000h Tq= +25°C
Insulation class	II - I
Supply voltage	220-240V 50/60Hz
Surge protection	10kV common mode 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0.95
Type of power supply	M20 cable gland with internal isolator switch for connection
Max. conductor cross-section	1 - 2.5 mm <sup>2</sup>
Entry cable diameter	7 - 13 mm

Special versions can be made by combining optics, power supplies and colour temperatures. NEMA, ZHAGA socket and CRI 80 versions are also available.

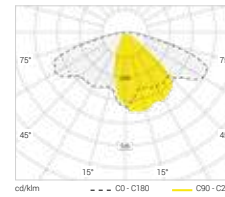


# FIT 55 size S

3,000K - 4,000 K - 150,000 h



STR-AM roadway wide beam optics



STR-ST roadway narrow beam optics

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Diffuser	Version	Palazzoli code
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### 4,000K Class II

17	3386	2822			<b>834110MV</b>
34	5983	4986		virtual midnight	<b>834120MV</b>
54	8693	7244			<b>834130MV</b>
17	3386	2822			<b>834110</b>
34	5983	4986		on-off	<b>834120</b>
54	8693	7244			<b>834130</b>
37	6906	5755	glass		<b>834210MV</b>
69	11966	9972		virtual midnight	<b>834220MV</b>
86	14520	12100			<b>834230MV</b>
37	6906	5755			<b>834210</b>
69	11966	9972		on-off	<b>834220</b>
86	14520	12100			<b>834230</b>

### 4,000K Class I

17	3386	2822			<b>854110MV</b>
34	5983	4986			<b>854120MV</b>
54	8693	7244	glass	virtual midnight	<b>854130MV</b>
37	6906	5755		virtual midnight	<b>854210MV</b>
69	11966	9972			<b>854220MV</b>
86	14520	12100			<b>854230MV</b>

### 3,000K Class II

34	5342	4452			<b>833120MV</b>
54	7764	6470	glass	virtual midnight	<b>833130MV</b>
69	11248	9373		virtual midnight	<b>833220MV</b>
86	13644	11370			<b>833230MV</b>

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Diffuser	Version	Palazzoli code
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### 4,000K Class II

17	3386	2822			<b>834111MV</b>
34	5983	4986		virtual midnight	<b>834121MV</b>
54	8693	7244			<b>834131MV</b>
17	3386	2822			<b>834111</b>
34	5983	4986		on-off	<b>834121</b>
54	8693	7244			<b>834131</b>
37	6906	5755	glass		<b>834211MV</b>
69	11966	9972		virtual midnight	<b>834221MV</b>
86	14520	12100			<b>834231MV</b>
37	6906	5755			<b>834211</b>
69	11966	9972		on-off	<b>834221</b>
86	14520	12100			<b>834231</b>

### 4,000K Class I

17	3386	2822			<b>854111MV</b>
34	5983	4986			<b>854121MV</b>
54	8693	7244	glass	virtual midnight	<b>854131MV</b>
37	6906	5755		virtual midnight	<b>854211MV</b>
69	11966	9972			<b>854221MV</b>
86	14520	12100			<b>854231MV</b>

### 3,000K Class II

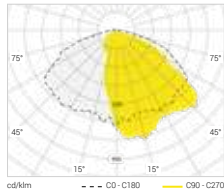
34	5342	4452			<b>833121MV</b>
54	7764	6470	glass	virtual midnight	<b>833131MV</b>
69	11248	9373		virtual midnight	<b>833221MV</b>
86	13644	11370			<b>833231MV</b>

**Equipment included:** swivelling pole mount from -5° to +20° for pole-top application; from -20° to +5° for wall mounting with projecting arm. Suitable for poles with Ø from 42 mm to 76 mm.

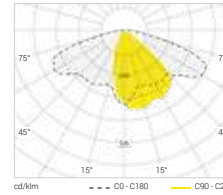


**FIT 55 size M**

3,000K - 4,000 K - 150,000 h



**STR-AM roadway wide beam optics**



**STR-ST roadway narrow beam optics**

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Diffuser	Version	Palazzoli code
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**4,000K Class II**

54	10160	8467			<b>834310MV</b>
104	17950	14958		virtual midnight	<b>834320MV</b>
145	24060	20050			<b>834330MV</b>
54	10160	8467			<b>834310</b>
104	17950	14958		on-off	<b>834320</b>
145	24060	20050			<b>834330</b>
72	13547	11289			<b>834410MV</b>
139	23933	19944		virtual midnight	<b>834420MV</b>
177	29352	24460			<b>834430MV</b>
72	13547	11289			<b>834410</b>
139	23933	19944	glass	on-off	<b>834420</b>
177	29352	24460			<b>834430</b>
92	16933	14111			<b>834510MV</b>
128	23194	19328		virtual midnight	<b>834520MV</b>
174	29916	24930			<b>834530MV</b>
92	16933	14111			<b>834510</b>
128	23194	19328		on-off	<b>834520</b>
174	29916	24930			<b>834530</b>
101	18665	15554			<b>834610MV</b>
153	28448	23707		virtual midnight	<b>834620MV</b>
209	35899	29916			<b>834630MV</b>

**4,000K Class I**

54	10160	8467			<b>854310MV</b>
104	17950	14958			<b>854320MV</b>
145	24060	20050			<b>854330MV</b>
72	13547	11289			<b>854410MV</b>
139	23933	19944			<b>854420MV</b>
177	29352	24460			<b>854430MV</b>
91.5	16933	14111	glass	virtual midnight	<b>854510MV</b>
128	23194	19328			<b>854520MV</b>
174	29916	24930			<b>854530MV</b>
101	18665	15554			<b>854610MV</b>
153	28448	23707			<b>854620MV</b>
209	35899	29916			<b>854630MV</b>

**3,000K Class II**

104	16872	14060			<b>833320MV</b>
145	22620	18850			<b>833330MV</b>
139	22728	18940			<b>833420MV</b>
177	27884	23237			<b>833430MV</b>
128	22522	18768	glass	virtual midnight	<b>833520MV</b>
174	28420	23683			<b>833530MV</b>
153	27025	22521			<b>833620MV</b>
209	34104	28420			<b>833630MV</b>

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Diffuser	Version	Palazzoli code
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**4,000K Class II**

54	10160	8467			<b>834311MV</b>
104	17950	14958		virtual midnight	<b>834321MV</b>
145	24060	20050			<b>834331MV</b>
54	10160	8467			<b>834311</b>
104	17950	14958		on-off	<b>834321</b>
145	24060	20050			<b>834331</b>
72	13547	11289			<b>834411MV</b>
139	23933	19944		virtual midnight	<b>834421MV</b>
177	29352	24460			<b>834431MV</b>
72	13547	11289			<b>834411</b>
139	23933	19944	glass	on-off	<b>834421</b>
177	29352	24460			<b>834431</b>
92	16933	14111			<b>834511MV</b>
128	23194	19328		virtual midnight	<b>834521MV</b>
174	29916	24930			<b>834531MV</b>
92	16933	14111			<b>834511</b>
128	23194	19328		on-off	<b>834521</b>
174	29916	24930			<b>834531</b>
101	18665	15554			<b>834611MV</b>
153	28448	23707		virtual midnight	<b>834621MV</b>
209	35899	29916			<b>834631MV</b>

**4,000K Class I**

54	10160	8467			<b>854311MV</b>
104	17950	14958			<b>854321MV</b>
145	24060	20050			<b>854331MV</b>
72	13547	11289			<b>854411MV</b>
139	23933	19944			<b>854421MV</b>
177	29352	24460			<b>854431MV</b>
91.5	16933	14111	glass	virtual midnight	<b>854511MV</b>
128	23194	19328			<b>854521MV</b>
174	29916	24930			<b>854531MV</b>
101	18665	15554			<b>854611MV</b>
153	28448	23707			<b>854621MV</b>
209	35899	29916			<b>854631MV</b>

**3,000K Class II**

104	16872	14060			<b>833321MV</b>
145	22620	18850			<b>833331MV</b>
139	22728	18940			<b>833421MV</b>
177	27884	23237			<b>833431MV</b>
128	22522	18768	glass	virtual midnight	<b>833521MV</b>
174	28420	23683			<b>833531MV</b>
153	27025	22521			<b>833621MV</b>
209	34104	28420			<b>833631MV</b>

**Equipment included:** swivelling pole mount from -5° to + 20° for pole-top application; from -20° to + 5° for wall mounting with projecting arm. Suitable for poles with Ø from 42 mm to 76 mm.



Accessories FIT 55



Single projecting bracket

Manufacturing material	Palazzoli code
<p>manufactured in Italy</p> <p>painting</p> <p>painted galvanised steel</p>	<b>834901</b>



Double projecting bracket

Manufacturing material	Palazzoli code
<p>manufactured in Italy</p> <p>painting</p> <p>painted galvanised steel</p>	<b>834902</b>



Wall installation bracket

Manufacturing material	Palazzoli code
<p>manufactured in Italy</p> <p>painting</p> <p>painted galvanised steel</p>	<b>834903</b>

# TIGUA-T54







# TIGUA-T54 and XTIGUA-T54

4,000 K - 100,000 h

## ADVANTAGES



1

The body, made entirely of die-cast aluminium with a low copper content, guarantees high mechanical strength, excellent thermal performance and maximum reliability of the electronic components. TIGUA-T54 ensures the highest standards of comfort and safety through the use of state-of-the-art LEDs.

The variety of optics used and the dedicated fixing systems satisfy any type of installation situation, achieving the perfect balance between visibility, safety and savings.



2



3

A wide range of quick-connect mounting brackets allows easy installation of the floodlights.

The electronics chosen for the internal components guarantee high technical lighting performance that lasts over time. Using Palazzoli-branded products means guaranteed quality and reliable performance.



4



# TIGUA-T54 and XTIGUA-T54

4,000 K - 100,000 h



**10 YEARS OF WARRANTY**  
2 YEARS WITH OPTIONAL EXTENSION TO 10



## DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)  
2009/125/EC (ErP)  
EU Reg. 2019/2020 (EcoDesign)

## PRODUCT STANDARDS

EN 55015  
EN 60598-1  
EN 60598-2-1  
EN 60598-2-3  
EN 60598-2-5  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 62471  
IEC/TR 62778  
EN 63000

Body material	Low-copper aluminium alloy (EN 44300)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	Grey RAL 7011
Diffuser material	Extra clear tempered glass
Protection rating	IP66
Impact resistance	IK08
Corrosivity category	Equivalent to C5-M / C4-H
Mounting system	Designed to accommodate supports for attachment to the channel
Ambient operating temperature	-30°C - +45°C (+55°C on request)
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 119 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing, UV-resistant PMMA lenses with >90% efficiency and >95% transparency
Colour rendering index values	CRI ≥ 70
Colour consistency	MacAdam 5-step
Photobiological risk	RGO - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L80 B20 100,000h Tq= +25°C
Insulation class	II
Supply voltage	220-240V 50/60Hz
Surge protection	8 kV common mode 10 kV differential mode (EN 61000-4-5)
Power factor	≥ 0.98
Type of power supply	Plug 1 6A 2P IP67 IEC EN 60309-1/-2

Special versions for remote control of the system can be made (radio frequency system, PLC, DALI, etc.).



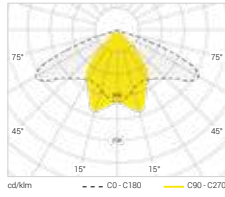
## TIGUA-T54 size S

4,000 K - 100,000 h



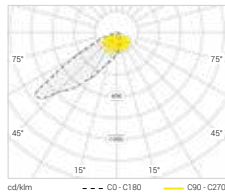
## XTIGUA-T54 size M

4,000 K - 100,000 h



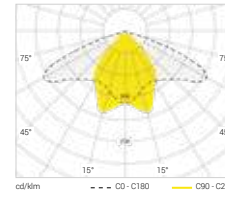
Symmetrical axial and symmetrical transverse optics – PS3

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Diffuser	Version	Palazzoli code
<b>Permanent and reinforcement</b>					
35	5220	4160	glass	dimmable 1-10	<b>811404</b>
51	7830	6240			<b>811406</b>
67	10440	8320			<b>811408</b>
75	11745	9360			<b>811409</b>
100	15660	12480			<b>811412</b>
116	18270	14560			<b>811414</b>
124	19575	15600			<b>811415</b>



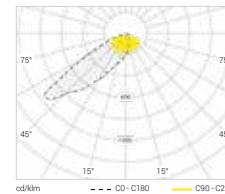
Axial counterbeam 52° and symmetrical transverse optics – RS1

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Diffuser	Version	Palazzoli code
<b>Permanent and reinforcement</b>					
35	5220	4160	glass	dimmable 1-10	<b>811504</b>
51	7830	6240			<b>811506</b>
67	10440	8320			<b>811508</b>
105	15171	12643			<b>811509</b>
100	15660	12480			<b>811512</b>
116	18270	14560			<b>811514</b>
124	19575	15600			<b>811515</b>



Symmetrical axial and symmetrical transverse optics – PS3

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Diffuser	Version	Palazzoli code
<b>Permanent and reinforcement</b>					
152	23490	19468	glass	dimmable 1-10	<b>812418</b>
203	31320	25388			<b>812424</b>
253	39150	31850			<b>812430</b>



Axial counterbeam 52° and symmetrical transverse optics – RS1

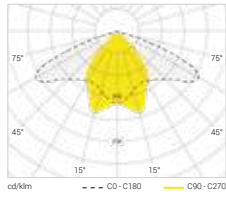
Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Diffuser	Version	Palazzoli code
<b>Permanent and reinforcement</b>					
152	23490	19275	glass	dimmable 1-10	<b>812518</b>
203	31320	25137			<b>812524</b>
253	39150	31535			<b>812530</b>

**Equipment included:** power supply with 16A 2P IP67 plug according to IEC EN 60309-1/-2 with 1.5 mm² FTG180M16 cable. The stated flux and power values may be subject to a +/- 7% tolerance.



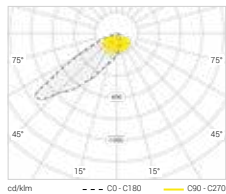
# XTIGUA-T54 size L

4,000 K - 100,000 h



## Symmetrical axial and symmetrical transverse optics – PS3

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Diffuser	Version	Palazzoli code
<b>Permanent and reinforcement</b>					
303	46980	38220	glass	dimmable 1-10	<b>812436</b>
349	54810	43863			<b>812442</b>
397	62640	49663			<b>812448</b>



## Axial counterbeam 52° and symmetrical transverse optics – RS1

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Diffuser	Version	Palazzoli code
<b>Permanent and reinforcement</b>					
303	46980	37841	glass	dimmable 1-10	<b>812536</b>
349	54810	43429			<b>812542</b>
397	62640	48171			<b>812548</b>



Pair of quick-release supports

Manufacturing material	Channel dimensions	Palazzoli code
AISI 304 stainless steel	100x75	<b>811900</b>
	200x75	<b>811901</b>
	300x75	<b>811902</b>
	100x100	<b>811903</b>
	200x100	<b>811904</b>
	300x100	<b>811905</b>



Pair of quick-release brackets for transversal adjustment

Manufacturing material	Channel dimensions	Palazzoli code
AISI 304 stainless steel	100x75	<b>811925</b>
	200x75	<b>811926</b>
	300x75	<b>811927</b>
	100x100	<b>811928</b>
	200x100	<b>811929</b>
	300x100	<b>811930</b>



Pair of screw mounting supports

Manufacturing material	Channel dimensions	Palazzoli code
AISI 304 stainless steel	100x75	<b>811906</b>



Pair of adjustable supports for screw mounting for transversal adjustment

Manufacturing material	Channel dimensions	Palazzoli code
AISI 304 stainless steel	100x75	<b>811907</b>

**Equipment included:** power supply with 16A 2P IP67 plug according to IEC EN 60309-1/-2 with 1.5 mm<sup>2</sup> FTG180M16 cable. The stated flux and power values may be subject to a +/- 7% tolerance.



# Accessories TIGUA -T54 AND XTIGUA-T54



Pair of quick-release supports for axial adjustment, for size S

Manufacturing material	Axial adjustment	Channel dimensions	Palazzoli code
AISI 304 stainless steel	6°	100x75	<b>811931</b>
		200x75	<b>811932</b>
		300x75	<b>811933</b>
		100x100	<b>811934</b>
		200x100	<b>811935</b>
		300x100	<b>811936</b>
	8°	100x75	<b>811937</b>
		200x75	<b>811938</b>
		300x75	<b>811939</b>
		100x100	<b>811940</b>
		200x100	<b>811941</b>
		300x100	<b>811942</b>
	10°	100x75	<b>811943</b>
		200x75	<b>811944</b>
		300x75	<b>811945</b>
		100x100	<b>811946</b>
		200x100	<b>811947</b>
		300x100	<b>811948</b>



Pair of quick-release supports for axial adjustment, for size M

Manufacturing material	Axial adjustment	Channel dimensions	Palazzoli code
AISI 304 stainless steel	6°	100x75	<b>812931M</b>
		200x75	<b>812932M</b>
		300x75	<b>812933M</b>
		100x100	<b>812934M</b>
		200x100	<b>812935M</b>
		300x100	<b>812936M</b>
	8°	100x75	<b>812937M</b>
		200x75	<b>812938M</b>
		300x75	<b>812939M</b>
		100x100	<b>812940M</b>
		200x100	<b>812941M</b>
		300x100	<b>812942M</b>
	10°	100x75	<b>812943M</b>
		200x75	<b>812944M</b>
		300x75	<b>812945M</b>
		100x100	<b>812946M</b>
		200x100	<b>812947M</b>
		300x100	<b>812948M</b>



Pair of quick-release supports for axial adjustment, for size L

Manufacturing material	Axial adjustment	Channel dimensions	Palazzoli code
AISI 304 stainless steel	6°	100x75	<b>812931L</b>
		200x75	<b>812932L</b>
		300x75	<b>812933L</b>
		100x100	<b>812934L</b>
		200x100	<b>812935L</b>
		300x100	<b>812936L</b>
	8°	100x75	<b>812937L</b>
		200x75	<b>812938L</b>
		300x75	<b>812939L</b>
		100x100	<b>812940L</b>
		200x100	<b>812941L</b>
		300x100	<b>812942L</b>
	10°	100x75	<b>812943L</b>
		200x75	<b>812944L</b>
		300x75	<b>812945L</b>
		100x100	<b>812946L</b>
		200x100	<b>812947L</b>
		300x100	<b>812948L</b>





# RINO-T54 and XRINO-T54

4,000 K - 240,000 h



**10 YEARS OF WARRANTY**  
2 YEARS WITH OPTIONAL EXTENSION TO 10



## DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)  
2009/125/EC (ErP)  
EU Reg. 2019/2020 (EcoDesign)

## PRODUCT STANDARDS

EN 55015  
EN 60598-1  
EN 60598-2-1  
EN 60598-2-3  
EN 60598-2-5  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 62471  
IEC/TR 62778  
EN 63000

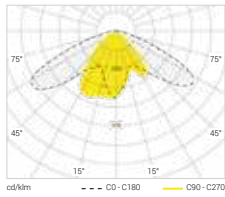
Body material	AISI 316L stainless steel
Surface treatment	Natural finish
Diffuser material	Extra clear tempered glass
Protection rating	IP66
Impact resistance	IK09
Corrosivity category	Equivalent to C5-H
Mounting system	Designed to accommodate supports for attachment to the channel
Ambient operating temperature	-30°C - +40°C
Ambient storage temperature	-30°C - +70°C
Actual efficacy of the device	Up to 145 lm/W
Colour temperature	4,000 K
Optics features	High efficacy 99.9% aluminium reflector
Colour rendering index values	CRI ≥ 70
Colour consistency	MacAdam 5-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 3%
Luminous flux maintenance	L80 B10 240.000h Tq= +25°C
Insulation class	II
Supply voltage	220-240V 50/60Hz
Surge protection	10kV common mode and differential mode (EN 61000-4-5)
Power factor	≥ 0.98
Type of power supply	Plug 16A 2P IP67 IEC EN 60309-1/-2

Special versions for remote control of the system can be made (radio frequency system, PLC, DALI, etc.).



### XRINO-T54 size S

4,000 K - 240,000 h



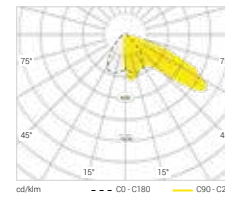
#### Symmetrical axial and asymmetrical transverse optics – PA5

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Diffuser	Version	Palazzoli code
<b>Permanent</b>					
25	4353	3628	glass	dimmable 1-10	<b>829110</b>
35	5800	4827			<b>829120</b>
45	7200	6000			<b>829130</b>



### XRINO-T54 size L

4,000 K - 240,000 h



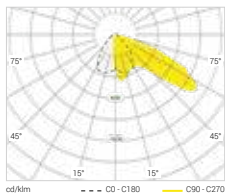
#### Axial counterbeam 55° and symmetrical transverse optics – RS5

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Diffuser	Version	Palazzoli code
<b>Reinforcement</b>					
197	36000	30000	glass	dimmable 1-10	<b>829231</b>
260	45600	38000			<b>829232</b>
300	50400	42000			<b>829233</b>



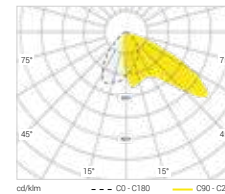
### XRINO-T54 size M

4,000 K - 240,000 h



#### Axial counterbeam 55° and symmetrical transverse optics – RS5

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Diffuser	Version	Palazzoli code
<b>Reinforcement</b>					
56	9600	8000	glass	dimmable 1-10	<b>829211</b>
75	12,000	10000			<b>829212</b>
104	19200	16000			<b>829221</b>
158	27600	23000			<b>829222</b>



#### Axial counterbeam 55° and asymmetrical transverse optics – RA5

197	36000	30000	glass	dimmable 1-10	<b>829331</b>
260	45600	38000			<b>829332</b>
300	50400	42000			<b>829333</b>



Bracket for quick fastening to floodlight channel – size S

Manufacturing material	Channel dimensions	Palazzoli code
AISI 316L stainless steel	100x75 / 100x100	<b>829001</b>
	200x75 / 200x100	<b>829002</b>
	300x75 / 300x100	<b>829003</b>



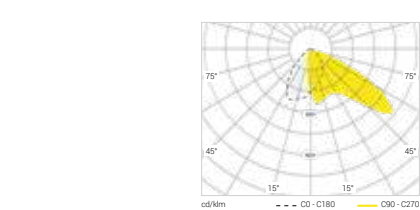
Bracket for quick fastening to floodlight channel – size M

Manufacturing material	Channel dimensions	Palazzoli code
AISI 316L stainless steel	100x75 / 100x100	<b>829101</b>
	200x75 / 200x100	<b>829102</b>
	300x75 / 300x100	<b>829103</b>



Bracket for quick fastening to floodlight channel size L

Manufacturing material	Channel dimensions	Palazzoli code
AISI 316L stainless steel	100x75 / 100x100	<b>829201</b>
	200x75 / 200x100	<b>829202</b>
	300x75 / 300x100	<b>829203</b>



#### Axial counterbeam 55° and asymmetrical transverse optics – RA5

56	9600	8000	glass	dimmable 1-10	<b>829311</b>
75	12,000	10000			<b>829312</b>
104	19200	16000			<b>829321</b>
158	27600	23000			<b>829322</b>

**Equipment included:** power supply with 16A 2P IP67 plug according to IEC EN 60309-1/-2 with 1.5 mm<sup>2</sup> FTG180M16 cable.  
The stated flux and power values may be subject to a +/- 7% tolerance.

# Marine

Thanks to the knowledge acquired in more than one hundred years of experience on military ships and submarines, oil platforms and cruise ships, Palazzoli is now able to offer a series of products whose technology meets all the requirements of the sector. The ceiling lights are available in stainless steel for outdoors or galvanised steel for indoors. They are corrosion resistant thanks to the buttons that replace the welds and guarantee high performance over time thanks to the materials used.





From over one hundred years of experience with military ships and submarines, oil platforms and cruise ships, Palazzoli has built its in-depth knowledge of a sector to which it is now able to offer technology suitable for any application. Stainless steel versions for outdoors or galvanised steel versions for indoors are the Company's workhorse.

LED light fixtures

Page 419

Traditional

Page 423



# RINO-NAVE







## RINO-NAVE LED

4,000 K - 50,000 h

### ADVANTAGES



1

The total absence of welds replaced by "embossings" guarantees the stainlessness of the product and consequently its extreme durability. The painted AISI 316L stainless steel body is ideal for outdoor installation in marine environments.

Long-lasting efficiency is guaranteed by the diffuser made of unbreakable, self-extinguishing (V2 grade), UV-stabilised, non-yellowing polycarbonate.



2



3

The naval light fixtures are equipped with stainless steel fixing pins with integrated anti-vibration system. Stainless steel click connections guarantee perfect tightness and maximum impact resistance.

Colour rendering is ensured by the use of light sources with Colour Rendering Index (CRI) 90. The emission of the luminous flux is controlled by a protective cover that can make the outgoing light beam more uniform.



4



# RINO-NAVE LED

4,000 K - 50,000 h



**4**

## YEARS OF WARRANTY

2 YEARS WITH OPTIONAL EXTENSION TO 4



## DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)  
2009/125/EC (ErP)  
EU Reg. 2019/2020 (EcoDesign)

## PRODUCT STANDARDS

EN 55015  
EN 60598-1  
EN 60598-2-1  
EN 60598-2-22  
EN 60598-2-24  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 62471  
IEC/TR 62778  
EN 63000

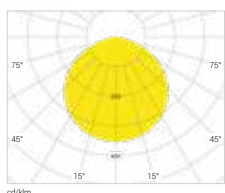
Body material	Painted AISI 316L stainless steel Painted galvanised steel
Surface finish	Non-toxic polyester, anti UV, kilm-polymerised coating
Colour	RAL 9016
Diffuser material	Transparent and opal polycarbonate
Protection rating	IP66/IP67
Impact resistance	IK09
Corrosivity category	Equivalent to C5-H AISI 316L stainless steel C5-M / C4-H painted galvanised steel
Mounting system	Provided with 2 M8 threaded holes
Ambient operating temperature	-25°C - +50°C 0°C - +35°C (emergency versions)
Ambient storage temperature	-40°C - +70°C -30°C - +50°C (emergency versions)
Actual efficacy of the device	Up to 106 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing and UV-resistant PMMA lenses
Colour rendering index values	CRI ≥ 90
Colour consistency	MacAdam 3-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L80 B20 @50,000 h Tq= +25°C
Emergency battery lifetime	3h
Emergency battery charging time	24h
Insulation class	I
Supply voltage	200-240V 0/50/60Hz
Surge protection	2 kV common mode and differential mode (EN 61000-4-5)
Power factor	≥ 0.90
Type of power supply	Screw terminals and M20 cable glands
Max. conductor cross-section	2.5 mm <sup>2</sup>
Entry cable diameter	7 to 15 mm



## RINO-NAVE LED

690 mm

4,000 K - 50,000 h



110° symmetrical optics

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Diffuser	Version	Palazzoli code
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### Painted galvanised steel

20	2200	2123	transparent polycarbonate	on-off	<b>849141</b>
40	4400	4244	polycarbonate		<b>849142</b>
20	2200	1935	opal polycarbonate	on-off	<b>841141</b>
40	4400	3870	polycarbonate		<b>841142</b>

### Emergency

20	2200	2123 962 in EM	transparent polycarbonate	on-off emergency	<b>849171</b>
40	4400	4244 945 in EM	polycarbonate	emergency 3h	<b>849172</b>
20	2200	1935 962 in EM	opal polycarbonate	on-off emergency 3h	<b>841171</b>

### Painted AISI 316L stainless steel

20	2200	1935	opal polycarbonate	on-off	<b>878141</b>
40	4400	3870	polycarbonate	on-off	<b>878142</b>

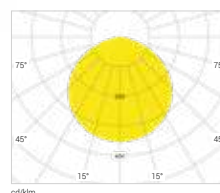
### Bulkhead

20	2200	1935	opal polycarbonate	on-off	<b>878741</b>
40	4400	3870	polycarbonate	on-off	<b>878742</b>

## RINO-NAVE LED

1,300 mm

4,000 K - 50,000 h



110° symmetrical optics

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Diffuser	Version	Palazzoli code
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### Painted galvanised steel

40	4400	4244	transparent polycarbonate	on-off	<b>849243</b>
		3870	opal polycarbonate		<b>841243</b>

### Emergency

40	4400	4244	transparent polycarbonate	on-off emergency	<b>849273</b>
		920 in EM	opal polycarbonate	emergency 3h	<b>841273</b>
		3870	polycarbonate		

### Painted AISI 316L stainless steel

40	4400	3870	opal polycarbonate	on-off	<b>878243</b>
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Pair of supports for bulkhead installation

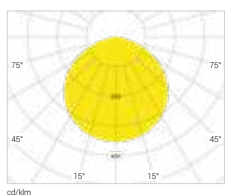
Manufacturing material	Palazzoli code
AISI 316L stainless steel	<b>820007</b>

**Equipment included:** 2 terminal blocks 2P+T for supply line entry/exit. 2 cable glands and 1 nickel-plated brass cap. The indicated flux and power values have a tolerance of +/-7%.

**RINO-NAVE LED**

460 mm

4,000 K - 50,000 h

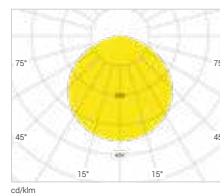


110° symmetrical optics

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Diffuser	Version	Palazzoli code
<b>Painted galvanised steel</b>					
21	2646	2205	opal polycarbonate	on-off	<b>841040</b>

**RINO-NAVE LED**  
WELL GLASS FIXTURE

4,000 K - 50,000 h



110° symmetrical optics

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Diffuser	Version	Palazzoli code
<b>Aluminium alloy</b>					
10	1200	1,000	glass	on-off	<b>813001</b>



Wall installation bracket

Manufacturing material	Palazzoli code
AISI 316L stainless steel	<b>813101</b>

**Equipment included:** 1 cable glands and 1 nickel-plated brass cap.  
The indicated flux and power values have a tolerance of +/-7%.

**Equipment included:** 1 connector  
The indicated flux and power values have a tolerance of +/-7%.

# RINO-NAVE

illuminates the MSC Seaside ship







## RINO-NAVE fluorescent



Body material	AISI 316L stainless steel Painted galvanised steel
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	RAL 9016
Diffuser material	Transparent and opal polycarbonate
Protection rating	IP66/IP67
Impact resistance	IK09
Corrosivity category	Equivalent to C5-H AISI 304 stainless steel C5-M / C4-H painted galvanised steel
Mounting system	Provided with 2 M8 threaded holes
Ambient operating temperature	-25°C - +50°C 0 °C - +35 °C (emergency versions)
Ambient storage temperature	-40°C - +70°C -30°C - +50°C (emergency versions)
Lamp holder type	G5 T5
Emergency battery lifetime	1h
Emergency battery charging time	24h
Insulation class	I
Supply voltage	220-240V 0/50/60Hz
Power factor	> 0.90
Type of power supply	Screw terminals and M20 cable glands
Max. conductor cross-section	2.5 mm <sup>2</sup>
Entry cable diameter	7 to 15 mm



### DIRECTIVES

2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)  
2009/125/EC (ErP)  
EU Reg. 2019/2020 (EcoDesign)

### PRODUCT STANDARDS

EN 55015  
EN 60598-1  
EN 60598-2-1  
EN 60598-2-22  
EN 60598-2-24  
EN 61000-3-2  
EN 61000-3-3  
EN 61547  
EN 62311  
EN 62493  
EN 63000



## RINO-NAVE fluorescent



Light fixtures in painted galvanised steel

Length (mm)	Power (W)	Tube type	Diffuser	Reflector	Version	Palazzoli code
690	2x14	T5	transparent polycarbonate	white	on-off	<b>849062</b>
	2x24				emergency 1h	<b>849562</b>
	1+1x14				emergency 1h	<b>849011</b>
	1+1x24				emergency 1h	<b>849511</b>
1300	2x28	T5	transparent polycarbonate	white	on-off	<b>849462</b>
	1+1x28				emergency 1h	<b>849411</b>
690	2x14	T5	opal polycarbonate	white	on-off	<b>841062</b>
	2x24				emergency 1h	<b>841562</b>
	1+1x14				emergency 1h	<b>841011</b>
1300	2x28	T5	opal polycarbonate	white	on-off	<b>841462</b>
	1+1x28				emergency 1h	<b>841411</b>

**Equipment included:** 2 terminal blocks 2P+T for supply line entry/exit.

2 cable glands and 1 nickel-plated brass cap.

Fixing kit with screws, gaskets and washers.

**Features:** fluorescent tubes are not included.

**Notes:** for light fixtures in emergency the operating temperature is 0 °C - +35 °C.



Painted 316L stainless steel light fixtures

Length (mm)	Power (W)	Tube type	Diffuser	Reflector	Version	Palazzoli code
690	2x14	T5	opal polycarbonate	white	on-off	<b>879062</b>
	2x24				on-off	<b>879562</b>
1300	2x28	T5	opal polycarbonate	white	on-off	<b>879462</b>

**Equipment included:** 2 terminal blocks 2P+T for supply line entry/exit.

2 cable glands and 1 nickel-plated brass cap.

Fixing kit with screws, gaskets and washers.

**Features:** fluorescent tubes are not included.



Painted 316L stainless steel light fixtures for bulkhead

Length (mm)	Power (W)	Tube type	Diffuser	Reflector	Version	Palazzoli code
690	2x14	T5	opal polycarbonate	white	on-off	<b>881062</b>
	2x24				on-off	<b>881562</b>

**Equipment included:** 2 terminal blocks 2P+T for supply line entry/exit.

**Features:** fluorescent tubes are not included.

**Notes:** the light fixture is completed with the code 820007.



Pair of supports for bulkhead installation

Manufacturing material	Palazzoli code
AISI 316L stainless steel	<b>820007</b>



## NAVE E27 bulkhead light fixtures and cylindrical well glass fixtures



Body material	Brass (EN 46100)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	RAL 7040 (brass) RAL 7042 (thermosetting GRP)
Diffuser material	Prismatic tempered glass
Protection rating	IP66
Impact resistance	IK07
Mounting system	Ready for wall installation
Ambient operating temperature	-40°C - +70°C
Ambient storage temperature	-50°C - +80°C
Lamp holder type	Type E27 in porcelain
Insulation class	I
Supply voltage	230V 0/50/60Hz
Type of power supply	M20 cable gland
Max. conductor cross-section	2.5 mm <sup>2</sup>
Entry cable diameter	7 - 13 mm



### DIRECTIVES

2014/30/EU (EMC)  
2011/65/EU (RoHS)  
2012/19/EU (WEEE)  
2009/125/EC (ErP)  
EU Reg. 2019/2020 (EcoDesign)

### PRODUCT STANDARDS

EN 60598-1  
EN 60598-2-1  
EN 63000



## NAVE E27 bulkhead light fixtures and cylindrical well glass fixtures



Bulkhead light fixtures  
in painted brass

Power (W)	Dimensions (W)	Lamp holder type	Diffuser	No. of cable glands	Version	Palazzoli code
60	199x112	E27	glass	2	UNAV 2135	<b>831089</b>
75	226x130					<b>831189</b>
100	295x170					<b>831289</b>

**Equipment included:** M24x1.5 brass cable glands. Internal and external earth screws.



Stainless steel wire protection cage  
for oval light fixtures  
type UNAV 2135

Manufacturing material	Light fixture power (W)	Palazzoli code
Stainless steel	60	<b>831527</b>
	75	<b>831627</b>
	100	<b>831727</b>



Swann bayonet lamp holder

Manufacturing material	Type	Palazzoli code
brass	B 22d 4A 250V	<b>859412</b>



Cylindrical well glass fixture  
in painted brass

Power (W)	Lamp holder type	Diffuser	No. of cable glands	Version	Palazzoli code
75	E27	glass	2 opposite	UNAV 2132	<b>850143</b>
60			2 combined bulkhead feedthrough	UNAV 2133	<b>850054</b>

**Equipment included:** 3/4" feedthrough brass cable glands. Internal and external earth screws.



Bodies for cylindrical well glass  
fixtures in painted brass

Power (W)	Lamp holder type	Diffuser	No. of cable glands	Version	Palazzoli code
60	E27	glass	2 opposite	UNAV 2133	<b>850045</b>
			2 combined	UNAV 2134	<b>815161</b>

**Equipment included:** brass cable glands. Internal and external earth screws.

**Features:** the item code 815181 is UNAV 1796.



Diffusers for cylindrical well glass  
fixtures

Power (W)	Lamp holder type	Diffuser	Colour	Version	Palazzoli code
60	E27	smooth glass	transparent	UNAV 1268	<b>850060</b>
			blue		<b>850061</b>
40	E27	smooth glass	yellow	UNAV 1268	<b>850062</b>
			red		<b>850063</b>
			green		<b>850064</b>



Cylindrical well glass fixture  
in thermosetting GRP  
with steel protective cage

Power (W)	Lamp holder type	Diffuser	No. of entries	Version	Palazzoli code
60	E27	ribbed glass	1 M20	portable UNAV 2137	<b>814052</b>

**Equipment included:** cable entry with 1 M20 cable gland and internal cable clamp.

**Features:** diffuser in ribbed clear glass. Lamp holder in porcelain.



Diffuser  
for portable well glass fixture

Power (W)	Lamp holder type	Diffuser	Colour	Version	Palazzoli code
60	E27	ribbed glass	transparent	UNAV 1268	<b>819012</b>

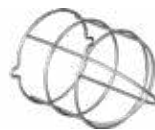


## Accessories NAVE light fixtures and cylindrical well glass fixtures E27



Globe-holder ring  
for watertight cylindrical well glass fixtures  
type UNAV 2133

Manufacturing material	Well glass fixture power (W)	Palazzoli code
nickel-plated brass	60	<b>850050</b>



Protection cage in stainless steel  
wire for watertight cylindrical well  
glass fixtures  
type UNAV 2132

Manufacturing material	Well glass fixture power (W)	Palazzoli code
Stainless steel	60	<b>819022</b>
	75	<b>850172</b>



Ceiling installation bases  
for cylindrical well glass fixtures  
type UNAV 2132, 2122, 2134

Manufacturing material	Type	Palazzoli code
galvanised and tropicalised steel	A UNAV 1228	<b>850090</b>



Reflectors  
for cylindrical well glass fixtures

Manufacturing material	Well glass fixture power (W)	Palazzoli code
painted galvanised steel	60	<b>819030</b>
	75	<b>819130</b>
	100	<b>819230</b>



Wall mounting bases  
for cylindrical well glass fixtures  
type UNAV 2132, 2122, 2134

Manufacturing material	Type	Palazzoli code
galvanised and tropicalised steel	B UNAV 1228	<b>850091</b>



Brass cable gland  
UNAV 1062 type

Threading	Palazzoli code
M24x1.5	<b>585480</b>



Brass screw cap with gaskets

Threading	Palazzoli code
M24x1.5	<b>585490</b>



Swann lamp holder with fins

Manufacturing material	Type	Palazzoli code
brass	B 22d 4A 250V	<b>859400</b>



Washers with seals

Manufacturing material	Diameter (mm)	Palazzoli code
brass	10	<b>585408</b>
	13	<b>585412</b>
	16	<b>585415</b>





# Services



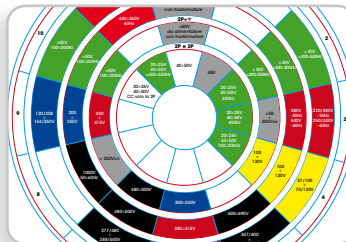
## SPARE PARTS

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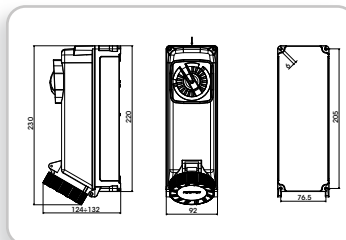
## LABORATORY TESTS

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## CERTIFICATIONS AND STANDARDS

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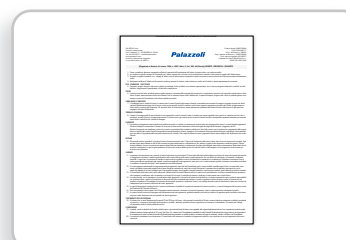
## DIMENSIONS

From 3630 lm to 4835 lm  
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750550	8	1	59-127	760347
750650	8	1	59-127	760349
750750	8	1	59-127	760434
751530	8	1	59	760436
751550	8	1	59	760437
751650	8	1	59	760439
751750	8	1	59	760444

## SEQUENTIAL INDEX

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## CONDITIONS OF SALE

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## Spare parts



90° angled wall-mounted fixed plugs for heavy-duty applications 50/60Hz IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	Yellow	2P+ ⚡	4	<b>476203</b>	1
	110	Yellow	3P+ ⚡	4	<b>476213</b>	1
	110	Yellow	3P+N+ ⚡	4	<b>476223</b>	1
	230	Blue	2P+ ⚡	6	<b>476303</b>	10
	230	Blue	3P+ ⚡	9	<b>476313</b>	1
	230	Blue	3P+N+ ⚡	9	<b>476323</b>	1
	400	Red	2P+ ⚡	9	<b>476403</b>	1
	400	Red	3P+ ⚡	6	<b>476413</b>	1
	400	Red	3P+N+ ⚡	6	<b>476423</b>	1
	32	110	Yellow	2P+ ⚡	4	<b>476206</b>
110		Yellow	3P+ ⚡	4	<b>476216</b>	1
110		Yellow	3P+N+ ⚡	4	<b>476226</b>	1
230		Blue	2P+ ⚡	6	<b>476306</b>	1
230		Blue	3P+ ⚡	9	<b>476316</b>	1
230		Blue	3P+N+ ⚡	9	<b>476326</b>	1
400		Red	2P+ ⚡	9	<b>476406</b>	1
400		Red	3P+ ⚡	6	<b>476416</b>	1
400		Red	3P+N+ ⚡	6	<b>476426</b>	1
380/440		Red	3P+ ⚡	3	<b>476486</b>	1



Blind front panel for PRIMA distribution boards

Description	Palazzoli code	Pack Qty
Spare blind frontal part	<b>579592</b>	1



Cover with transparent door for PRIMA distribution boards

Description	No. of DIN modules	Palazzoli code	Pack Qty
spare blind frontal part	9	<b>579462</b>	1

**Equipment included:** stainless steel screws, DIN rail.  
**Uses:** RCDS can be installed for protection against indirect contacts.



Spacer kit for terminal blocks of PRIMA sockets with fuses in flush-mounted boxes

Description	Palazzoli code	Pack Qty
3 spacers thickness 1 mm	<b>579590</b>	1



Aesthetic frame for topTER socket-outlets

Description	Palazzoli code	Pack Qty
reduces the flange hole from 88x100 to 65x83	<b>579846</b>	1



Kit for mounting padlockable handles on 0 and 1 positions for 16A to 63A devices

For TAIS socket-outlets module	For ALUPRES socket-outlets module	For CAM devices module	Palazzoli code	Pack Qty
M95	M92	M95	<b>538295</b>	1
M125	M125	M125	<b>538225</b>	1

**Equipment included:** kit consisting of front plate, handle, screw cover cap, screw and washer.



Kit for mounting padlockable emergency handles in 0 and 1 positions for 16A to 63A devices

For TAIS socket-outlets module	For ALUPRES socket-outlets module	For CAM devices module	Palazzoli code	Pack Qty
M95	M92	M95	<b>538395</b>	1
M125	M125	M125	<b>538325</b>	1

**Equipment included:** kit consisting of front plate, handle, screw cover cap, screw and washer.



Padlockable spare knobs for switched socket-outlets and control devices

For socket-outlets and control devices of the TAIS - ALUPRES - CAM series	Block position	Palazzoli code	Pack Qty
module 92 - 95	0	<b>270902</b>	1
module 92 - 95	1	<b>270903</b>	1
module 125	0	<b>270912</b>	1
module 125	1	<b>270913</b>	1

**Uses:** prevents the operation of unqualified persons. Very useful during maintenance operations for the block in position 0.



Padlockable emergency spare knobs for switched socket-outlets and control devices

For socket-outlets and control devices of the TAIS - ALUPRES - CAM series	Block position	Palazzoli code	Pack Qty
module 92 - 95	0	<b>270914</b>	1
module 125	0	<b>270916</b>	1

**Features:** thermoplastic material.



## Spare parts



Spare socket inserts with metal support for TAIS and ALUPRES socket-outlets 50/60Hz

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63	230V	●	2P+⊕	6	<b>472970</b>	1
	400V	●	3P+⊕	6	<b>472971</b>	1
	400V	●	3P+N+⊕	6	<b>472972</b>	1
125	400V	●	3P+⊕	6	<b>472980</b>	1
	400V	●	3P+N+⊕	6	<b>472981</b>	1

Notes: not compatible with black inserts.



Spare socket inserts for socket-outlets with transformer

Series	Power (VA)	Palazzoli code	Pack Qty
TAIS M95 - ULYSSE	150	<b>472990</b>	1
ALUPRES	144	<b>472991</b>	1



Replacement transformer for 24V and 48V sockets 50/60Hz

Rated current (A)	Rated voltage (V)	Voltage colour	Power (VA)	Palazzoli code	Pack Qty
16	230/24	●	150	<b>471950</b>	1
	230/24	●	144	<b>471922</b>	1
	400/24	●	144	<b>471932</b>	1
32	230/48	●	720	<b>471908</b>	1
	400/48	●	720	<b>471909</b>	1



Spare signalling lamp for sockets with MCB of the TAIS and ALUPRES series

Rated current (A)	Rated voltage (V)	Palazzoli code	Pack Qty
16-32-63	110	<b>474951</b>	1
	230	<b>474953</b>	1
	400	<b>474955</b>	1



Spare CAM switches for sockets with switch of the TAIS and ALUPRES series

Rated current (A)	Poles	Type	Palazzoli code	Pack Qty
16	4P	CAM	<b>274854</b>	1
32	2P - 4P	CAM	<b>274857</b>	1
63	4P	CAM	<b>274828</b>	1
125	4P	CAM	<b>274948</b>	1

Notes: for 16A and 32A socket-outlets manufactured before 1990. Use 4P switches also when replacing 2P and 3P switches and wire only those that are required.



Spare switches for sockets with switch of the ULYSSE, TAIS and ALUPRES series

Rated current (A)	Poles	Palazzoli code	Pack Qty
16 - 32	2P - 4P	<b>274657</b>	1
63	3P - 4P	<b>274658</b>	1
125	3P - 4P	<b>274659</b>	1

Notes: use 4P switches also when replacing 2P and 3P switches and wire only those that are necessary.



Kit for mounting auxiliary contacts for 16A and 32A TAIS socket-outlets

For TAIS - ULYSSE - ALUPRES socket-outlets	Contact type 10A	Palazzoli code	Pack Qty
16A - 32A	NCP - NAA - NC NA - NA+NC	<b>270335</b>	1

Equipment included: kit consisting of protection cap, contact control cam and door lock.  
Notes: auxiliary contacts not included.



## Spare parts



Spare screwcaps for Diazed fuse-holder bases for TAIS and ALUPRES socket-outlets

Rated current (A)	Fuse type	Palazzoli code	Pack Qty
25	E16 (NDz) reduced	<b>347001</b>	10
25	E27 (DII)	<b>347003</b>	50
63	E33 (DIII)	<b>347005</b>	50

\* only for code 347082.



Diazed fast fuses 500V

Fuse holder base	Rated current (A)	Palazzoli code	Pack Qty
E16 (NDz)	16	<b>348117</b>	25
E16 (NDz)	25	<b>348122</b>	25
E16 (NDz)	30	<b>348123</b>	25
E33 (DIII)	32	<b>348326</b>	25
E33 (DIII)	63	<b>348333</b>	5



Diazed delayed fuses 500V

Fuse holder base	Rated current (A)	Palazzoli code	Pack Qty
E16 (NDz)	16	<b>349117</b>	25
E16 (NDz)	25	<b>349122</b>	25
E16 (NDz)	30	<b>349123</b>	25
E27 (DII)	16	<b>349217</b>	25
E33 (DIII)	32	<b>349326</b>	25
E33 (DIII)	63	<b>349333</b>	5



ACR fuses with high breaking capacity 500V

Fuse holder base	Rated current (A)	Palazzoli code	Pack Qty
NH-00	100	<b>339039</b>	3
NH-00	125	<b>339041</b>	3
NH-1	200	<b>339147</b>	3
NH-1	250	<b>339150</b>	3
NH-2	400	<b>339259</b>	3
NH-3	630	<b>339367</b>	1



NH fuse extraction handles

For fuses	Palazzoli code	Pack Qty
NH-00-0-1-2-3	<b>339998</b>	10
NH-00	<b>339988</b>	1

Features: code 339988 is to be used with devices code 283053, code 293053, code 337010, code 337050 and 125A interlocked socket-outlets.



Fittings with Pg threading in technopolymer for composition of socket boards IP67

Pg	Mounting hole (mm)	For cable Ø (mm)	Palazzoli code	Pack Qty
21	29	17	<b>580242</b>	5
29	38	24	<b>580243</b>	5
36	48	37	<b>580244</b>	1



Transparent lids in polycarbonate for modular devices

No. of DIN modules	Dimensions (mm)	Palazzoli code	Pack Qty
4	92x84x30	<b>538610</b>	10
6.5 or 7.5	152x84x30	<b>538620</b>	10
9 or 11	214x84x30	<b>538630</b>	5

Features: padlockable lid and with tamper-proof screw.



## Spare parts



Spare gaskets in non-ageing elastomer for socket-outlets and boxes of the TAIS and ALUPRES series

For windows	Palazzoli code	Pack Qty
F0	<b>540000</b>	1
F1	<b>540001</b>	1
F2	<b>540002</b>	1
F3	<b>540003</b>	1
F4	<b>540004</b>	1
F5	<b>540005</b>	1
F6	<b>540006</b>	1



Spare socket/plug inserts with flat poles FP type

For socket/plug code	Palazzoli code	Pack Qty
422039, 421029	<b>421909</b>	1
427019	<b>427909</b>	1



Spare switches for sockets with flat poles ALUPRES series

For socket code	Switch type	Palazzoli code	Pack Qty
422039	3x400A	<b>274772</b>	1



Spare blind door for TAIS CUBE boards IP66

Size	Outer dimensions (mm)	Palazzoli code	Pack Qty
1	260x305	<b>550701</b>	1
2	340x430	<b>550702</b>	1
3	450x505	<b>550703</b>	1
4	450x655	<b>550704</b>	1
5	560x655	<b>550705</b>	1
6	630x810	<b>550706</b>	1
7	850x1060	<b>550707</b>	1



Spare transparent door for TAIS CUBE boards IP66

Size	Outer dimensions (mm)	Palazzoli code	Pack Qty
1	260x305	<b>550731</b>	1
2	340x430	<b>550732</b>	1
3	450x505	<b>550733</b>	1
4	450x655	<b>550734</b>	1
5	560x655	<b>550735</b>	1
6	630x810	<b>550736</b>	1
7	850x1060	<b>550737</b>	1



Spare standard lock kit

No. of locks	Size	Palazzoli code	Pack Qty
2	all TAIS CUBE series boards	<b>550689</b>	1





# Spare parts



Domestic socket  
Italian standard  
bivalent P11/P17

Description	Pitch (mm)	Type	No. of modules	For pins (mm)	Palazzoli code	Pack Qty
2P+T 10/16A Dual	19/26	P11/P17	1	Ø 4/5	<b>641216</b>	1

**Features:** shuttered receptacles. Rear terminals equipped with cable tie plates and captive screws.



Schuko domestic socket  
Italian/German standard  
P30

Description	Pitch (mm)	Type	No. of modules	For pins (mm)	Palazzoli code	Pack Qty
2P+T 10/16A UNEL/P30 Schuko type (with lateral and central earth)	19	P30	2	Ø 4/4.8	<b>643216</b>	10

**Features:** shuttered receptacles. Rear terminals equipped with cable tie plates and captive screws.



Spare diffusers  
for signalling lamps  
TAIS MIGNON series

Colour	Palazzoli code	Pack Qty
red	<b>800091</b>	10
green	<b>800092</b>	10
yellow	<b>800094</b>	10
transparent	<b>800093</b>	10



Screwcaps  
with Gas threading  
IP67

Mounting hole type (mm)	Palazzoli code	Pack Qty
3/8"	<b>580051</b>	5
1/2"	<b>580052</b>	5
3/4"	<b>580054</b>	5

**Uses:** it closes unused Gas threaded holes.



Coupling fittings  
with Gas threading  
IP67

Mounting hole type (mm)	Internal hole Ø (mm)	Palazzoli code	Pack Qty
1/2"	16	<b>590002</b>	5
3/4"	20	<b>590004</b>	1

**Equipment included:** complete with gasket in elastomer.  
**Uses:** they are used to couple boxes with the same passage holes.



Spare coils  
for ALARM and NAVÉ sirens

Rated voltage (V)	For siren code	Palazzoli code	Pack Qty
24	900453, 900553	<b>900459</b>	1
110	900463, 900563	<b>900469</b>	1
230	900473, 900573	<b>900479</b>	1



Spare coils  
for ALARM and NAVÉ bells

Rated voltage (V)	For siren code	Palazzoli code	Pack Qty
24	900253, 900255, 900355	<b>900259</b>	1
110	900263, 900265, 900266, 900365	<b>900269</b>	1
230	900273, 900375	<b>900279</b>	1



# Spare parts



Spare door kit for assemblies

For distribution boards type	Palazzoli code	Pack Qty
ENERGYBOX surface/zone	<b>501531</b>	1



Spare handles for control devices of the CAM series

For control devices type	Palazzoli code	Pack Qty
for distribution boards, flush-mounting and cabinets 16/25A	<b>270901</b>	1
for distribution boards, flush-mounting and cabinets 40/63A	<b>270911</b>	1
for boxes, distribution boards and cabinets 100/200A, for interlocked socket-outlets 125A	<b>270921</b>	1



Spare inserts for watertight control devices of NAVE series UNAV 2162 type

Device code	Palazzoli code	Pack Qty
232616, 232626, 262636	<b>239611</b>	5
232627, 232637	<b>239612</b>	5
232628	<b>239613</b>	5



Spare levers for control devices of the CAM series for back panel mounting

For control devices type	Palazzoli code	Pack Qty
16/25A	<b>270941</b>	1
40/63A	<b>270951</b>	1
100/800A	<b>270961</b>	1



# Spare parts



Spare glass diffusers for oval bulk-head lamps UNAV 2132

Colour	Light fixtures max. power	Palazzoli code	Pack Qty
transparent	60W	<b>831512</b>	1
	75W	<b>831612</b>	1
	100W	<b>831712</b>	1



Spare glass diffusers for round bulk-head lamps

Colour	Light fixtures max. power	Palazzoli code	Pack Qty
transparent	75W	<b>830512</b>	1



Spare gaskets in non-ageing elastomer for oval bulkhead lamps

Light fixtures max. power	Palazzoli code	Pack Qty
60W	<b>831540</b>	1
75W and 5-7W	<b>831640</b>	1
100W and 5-7-9W	<b>831740</b>	1



Spare gaskets in non-ageing elastomer for round bulkhead lamps

Light fixtures max. power	Palazzoli code	Pack Qty
75W	<b>830540</b>	1



Spare lamp holders E27 in porcelain with bracket for oval and round bulk-head lamps

Manufacturing material	Palazzoli code	Pack Qty
porcelain	<b>819056</b>	10



Spare lamp holders E27 in porcelain for RINO cylindrical lighting fixtures and NAVE series UNAV 2137

Manufacturing material	Palazzoli code	Pack Qty
porcelain	<b>819055</b>	20



Spare diffusers in polycarbonate for RINO steel light fixtures

Length (mm)	Manufacturing material	Diffuser colour	Palazzoli code	Pack Qty
690	polycarbonate	transparent	<b>820020</b>	1
	polycarbonate	opaline	<b>820021</b>	1
	glass	transparent	<b>820022</b>	1
1300	polycarbonate	transparent	<b>820030</b>	1
	polycarbonate	opaline	<b>820031</b>	1
	glass	transparent	<b>820032</b>	1

**Notes:** the following codes are suitable for fluorescent light fixtures in the industrial and naval sectors and LED light fixtures in the naval sector.



## Spare parts



Spare lamp holders E27  
for NAVE well glass fixtures  
UNAV 2132, 2133, 2134

Manufacturing material	Palazzoli code	Pack Qty
porcelain	<b>859180</b>	1



Cylindrical diffuser  
in smooth glass  
for well glass fixtures  
UNAV 2132

Well glass fixtures max. power	Palazzoli code	Pack Qty
75W	<b>819160</b>	1



Spare globe holder ring  
in grey brass for well glass fixtures  
with cylindrical diffuser of the NAVE series  
UNAV 2134

Well glass fixtures max. power	Palazzoli code	Pack Qty
60W	<b>819001</b>	1



Spare support  
with screws for fixing the lamp holder  
for well glass fixtures NAVE series  
UNAV 1236.1

Well glass fixtures max. power	Palazzoli code	Pack Qty
75W	<b>859188</b>	10



Spare gaskets  
in non-ageing elastomer  
for well glass fixtures  
of the RINO and NAVE series

Well glass fixture type	Well glass fixtures max. power	Palazzoli code	Pack Qty
cylindrical	60W	<b>819040</b>	1
	75W	<b>819140</b>	1
	100W	<b>831640</b>	1
UNAV 2133	60W	<b>850080</b>	1



## Heating Testing

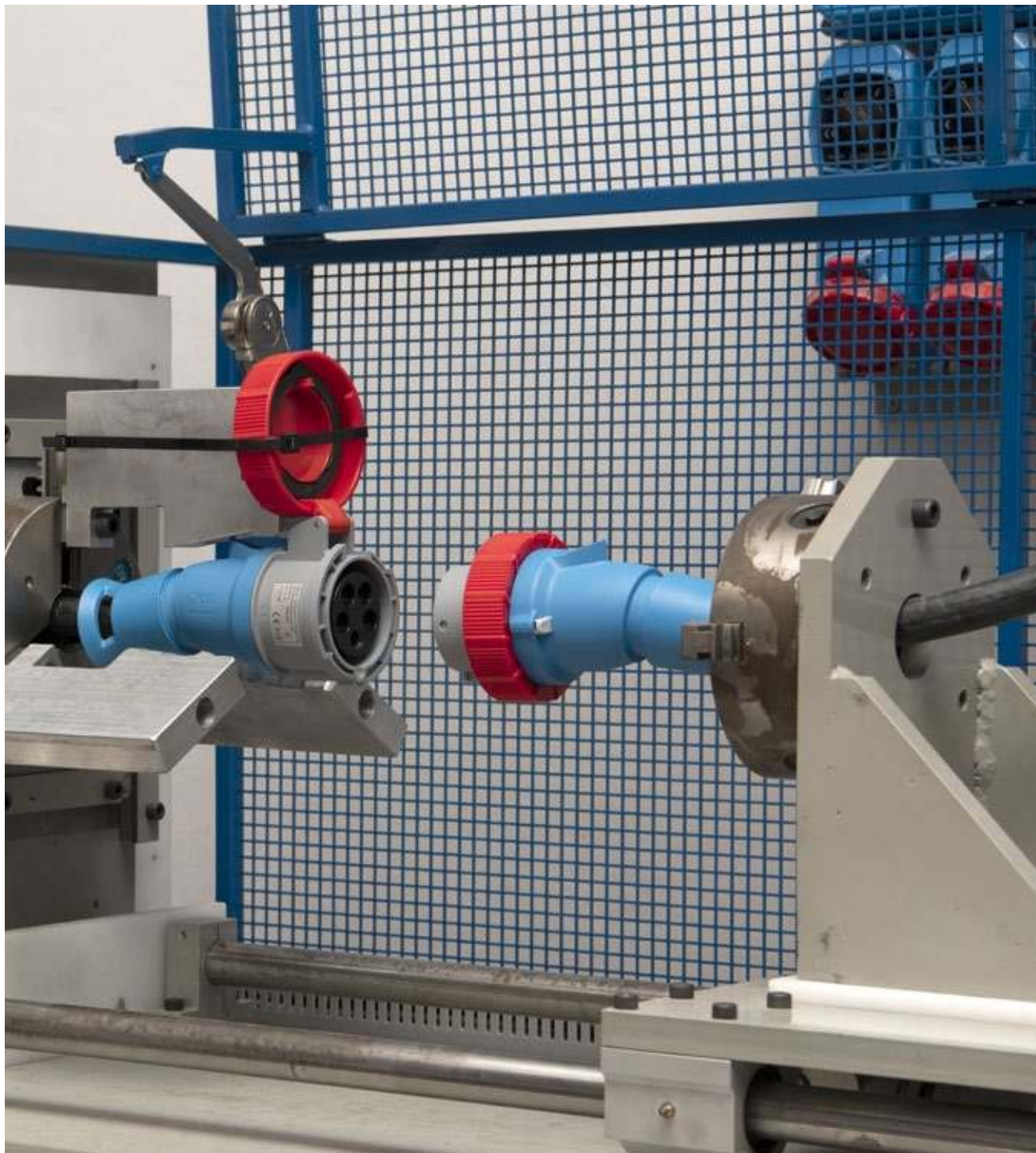


One of the tests required by electrical safety standards is the product's heating test, which verifies its continued safety under normal operating conditions. The product is fed under the worst load conditions as per specifications and it is checked that the temperature of critical components, materials and accessible parts does not exceed the limit values permitted by the product standards.





## Endurance Testing



The purpose of the endurance test is to verify that the safety performance of products is maintained even after the wear and tear caused by using the product during its lifetime. The test consists of performing cycles of plugging and unplugging the plugs from the socket-outlets connected to a load corresponding to the product ratings. At the end of the test, the safety requirements of the standards must be maintained.



## Impact resistance testing

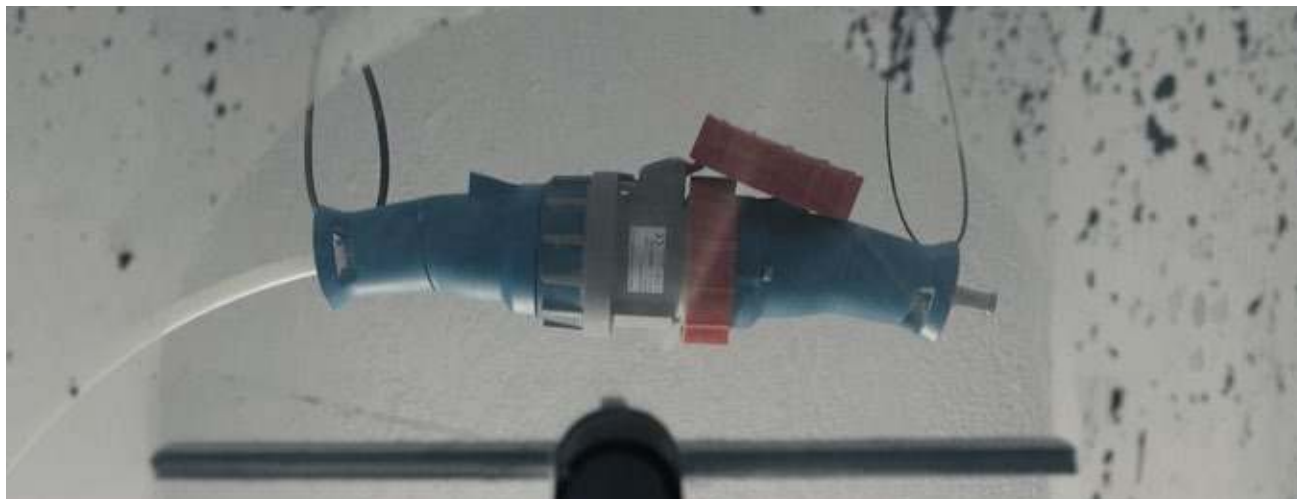


The IEC/EN 62262 standard defines a coding system, the IK code, to indicate the level of protection provided by an enclosure of electrical equipment against external mechanical impacts.

Symbol	00	no protection.
<b>IK</b>	01	resistant to impacts with an energy up to 0.150 J
	02	resistant to impacts with an energy up to 0.200 J
	03	resistant to impacts with an energy up to 0.350 J
	04	resistant to impacts with an energy up to 0.500 J
	05	resistant to impacts with an energy up to 0.700 J
	06	resistant to impacts with an energy up to 1.00 J
	07	resistant to impacts with an energy up to 2.00 J
	08	resistant to impacts with an energy up to 5.00 J
	09	resistant to impacts with an energy up to 10.00 J
	10	resistant to impacts with an energy up to 20.00 J
	11	resistant to impacts with an energy up to 50.00 J



# Test of the degree of protection against solid objects and liquids



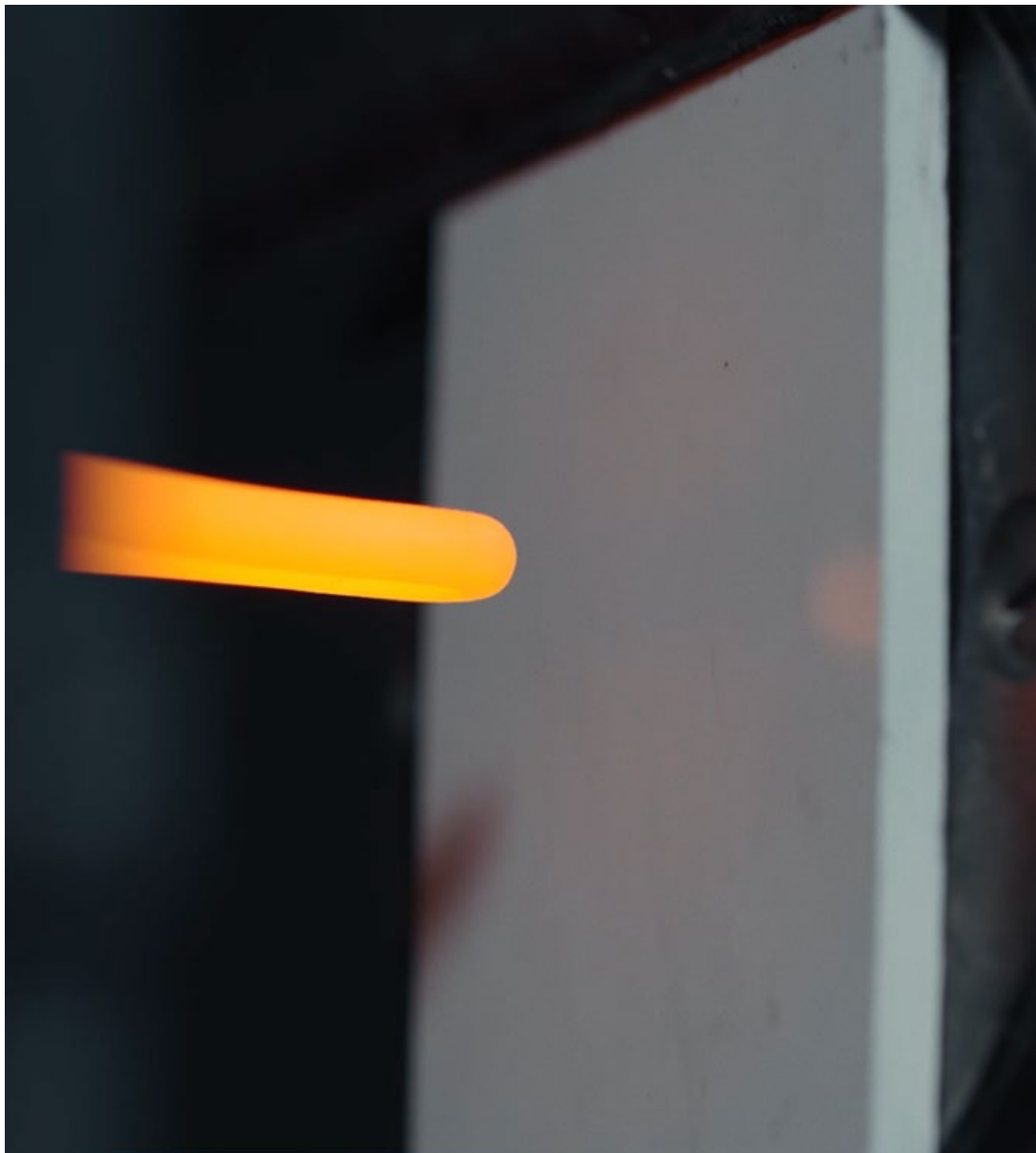
The IEC/EN 60529 standard allows to indicate through the IP (Ingress Protection) rating system the degree of protection provided by the enclosures of electrical equipment against access to hazardous parts and against the penetration of solid foreign bodies and/or water.

Symbol	1st digit: Protection against penetration by solid foreign bodies	2nd digit: Protection against the penetration of liquids		
<b>IP</b>	<b>0</b>	No Protection.		
	<b>1</b>	Protected against the penetration of solid foreign bodies larger than 50 mm (hands).		
	<b>2</b>	Protected against the penetration of solid foreign bodies larger than 12 mm (fingers).		
	<b>3</b>	Protected against the penetration of solid foreign bodies larger than 2.5 mm (tools, cables).		
	<b>4</b>	Protected against the penetration of solid foreign bodies larger than 1 mm (wires).		
	<b>5</b>	Protected against harmful dust deposits affecting good operation.		
	<b>6</b>	Totally protected against dust.		
	Warning IPX7 and IPX8 protection degrees do not include IPX5 and IPX6 protection degrees. A double rating is applied: IP66/IP67 enclosures meet the requirements for both exposure to high-energy water jets and temporary immersion. While enclosures IP67 are deemed suitable for temporary immersion only		<b>0</b>	No Protection.
	<b>1</b>	Protected against the vertical fall of water drops.		
	<b>2</b>	Protected against the fall of water drops at a maximum angle of 15° to the vertical.		
<b>3</b>	Protected against falling rain with a maximum inclination of 60° to the vertical.			
<b>4</b>	Protected against water splashes coming from all directions.			
<b>5</b>	Protected against jets of water coming from all directions.			
<b>6</b>	Protected against water projections similar to sea waves.			
<b>7</b>	Protected against the effects of temporary immersion in water under specified duration and pressure conditions.			
<b>8</b>	Protected against the effects of continuous immersion inside water under defined pressure conditions.			
<b>9</b>	Protected against high temperature and high pressure jets.			



## Glow wire test

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The Glow-wire Test simulates the effects of a thermal stress caused by an electrically heated source to reproduce a fire hazard. The plastic material is brought into contact with an incandescent wire to simulate the possible effects of an electrical system that has been overheated for a short time following a fault, resulting in a possible fire hazard. The purpose of the test is to verify the self-extinguishing properties and non-flame propagation of insulation materials.



## Corrosion resistance test

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The Corrosion Resistance Test measures the insulation capacity of solid insulation materials against surface discharges (called traces) under wet conditions. The 'trace' is a conductive path that forms on the surface of an insulating material due to the voltage present between two points in the presence of wet conducting pollution. It can generate overheating, fire and however irreversibly alters the insulating properties of the material.





## Environmental tests (corrosion, temperature and humidity)



Environmental tests examine the effects of various climatic conditions on the components and construction materials of devices to ensure their safety and performance even under extreme weather conditions. Salt spray tests are among the most effective for simulating the real lifespan of materials and surface coatings in relation to resistance to deterioration in aggressive environments.

Symbol	Corrosivity categories according to ISO 12944-2, ISO 9223	
<b>C</b>	C1	Very low corrosivity resistance
	C2	Low corrosivity resistance
	C3	Medium corrosivity resistance
	C4	High corrosivity resistance
	C5	Very high corrosivity resistance
	CX	Extreme corrosivity resistance
	ISO 12944-1 durability ranges	
	(L)	low durability: < 7 years
	(M)	medium durability: 7-15 years
	(H)	high durability: 15-25 years
	(VH)	very high-durability: >25 years



## Test for photometric data



Photometric tests, carried out using a mirror goniophotometer, allow the total flux emitted by the light fixtures to be measured and their photometric distribution to be determined. The simultaneous measurement of all electrical parameters of the light fixture being tested also makes it possible to determine its efficacy in  $\text{lm/W}$ .



# Resistance to chemical agents and atmospheric conditions

The resistance of a material to the erosive and ageing action of chemicals or atmospheric agents is not a direct relationship, but depends on the conditions of installation, temperature, chemical agent concentration and on the other interactions that different substances present inside the atmosphere can have on the concerned product. Material chemical resistance tables, resulting from lab tests, represent a useful instrument, but provide indications only, as universal installation conditions cannot be established. To make reading easier, and taking what is stated above into account, we summarised the material resistance levels in 3 values: high resistance (arrow up), partial resistance (arrow to the right) and low resistance (arrow down).

Thermoplastic									
WATER	SALINE SOLUTION	ACIDS		BASES		SOLVENTS			
		CONCENTRATED	DILUTED	CONCENTRATED	DILUTED	ALCOHOL	ACETONE	PERCHLOROETHYLENE	BENZENE
↑	→	↓	→	→	↑	→	↑	→	↑
OILS		FATS		AMMONIA	OXIDISERS	INORGANIC SALTS	GASOLINE	DETERGENTS	U.V. RAYS
MINERAL	VEGETABLE	ANIMAL	SYNTHETIC						
↑	↑	↑	↑	↑	↓	↑	↑	↑	→

Technopolymer - Antistatic technopolymer									
WATER	SALINE SOLUTION	ACIDS		BASES		SOLVENTS			
		CONCENTRATED	DILUTED	CONCENTRATED	DILUTED	ALCOHOL	ACETONE	PERCHLOROETHYLENE	BENZENE
↑	↑	↓	→	→	↑	→	↑	→	↑
OILS		FATS		AMMONIA	OXIDISERS	INORGANIC SALTS	GASOLINE	DETERGENTS	U.V. RAYS
MINERAL	VEGETABLE	ANIMAL	SYNTHETIC						
↑	↑	↑	↑	↑	↓	↑	↑	↑	↑

Palazzoli Thermosetting GRP - Palazzoli antistatic Thermosetting GRP									
WATER	SALINE SOLUTION	ACIDS		BASES		SOLVENTS			
		CONCENTRATED	DILUTED	CONCENTRATED	DILUTED	ALCOHOL	ACETONE	PERCHLOROETHYLENE	BENZENE
↑	↑	↑	↑	→	↑	↑	↑	↑	↑
OILS		FATS		AMMONIA	OXIDISERS	INORGANIC SALTS	GASOLINE	DETERGENTS	U.V. RAYS
MINERAL	VEGETABLE	ANIMAL	SYNTHETIC						
↑	↑	↑	↑	↑	↑	↑	↑	↑	↑

Rubber									
WATER	SALINE SOLUTION	ACIDS		BASES		SOLVENTS			
		CONCENTRATED	DILUTED	CONCENTRATED	DILUTED	ALCOHOL	ACETONE	PERCHLOROETHYLENE	BENZENE
↑	↑	→	↑	↑	↑	↑	→	↓	↓
OILS		FATS		AMMONIA	OXIDISERS	INORGANIC SALTS	GASOLINE	DETERGENTS	U.V. RAYS
MINERAL	VEGETABLE	ANIMAL	SYNTHETIC						
↓	↓	↓	↓	↑	→	↑	↓	↑	↑

EN 46100 aluminium alloy									
WATER	SALINE SOLUTION	ACIDS		BASES		SOLVENTS			
		CONCENTRATED	DILUTED	CONCENTRATED	DILUTED	ALCOHOL	ACETONE	PERCHLOROETHYLENE	BENZENE
↑	→	↓	→	→	↑	↑	↑	↑	↑
OILS		FATS		AMMONIA	OXIDISERS	INORGANIC SALTS	GASOLINE	DETERGENTS	U.V. RAYS
MINERAL	VEGETABLE	ANIMAL	SYNTHETIC						
↑	↑	↑	↑	↑	→	↑	↑	↑	↑



# Resistance to chemical agents and atmospheric conditions

## EN44300 aluminium alloy and marine aluminium alloy

WATER	SALINE SOLUTION	ACIDS		BASES		SOLVENTS			
		CONCENTRATED	DILUTED	CONCENTRATED	DILUTED	ALCOHOL	ACETONE	PERCHLOROETHYLENE	BENZENE
↑	↑	→	↑	→	↑	↑	↑	↑	↑
OILS		FATS		AMMONIA	OXIDISERS	INORGANIC SALTS	GASOLINE	DETERGENTS	U.V. RAYS
MINERAL	VEGETABLE	ANIMAL	SYNTHETIC						
↑	↑	↑	↑	↑	↑	↑	↑	↑	↑

## Painted galvanised steel

WATER	SALINE SOLUTION	ACIDS		BASES		SOLVENTS			
		CONCENTRATED	DILUTED	CONCENTRATED	DILUTED	ALCOHOL	ACETONE	PERCHLOROETHYLENE	BENZENE
↑	→	↓	→	→	↑	↑	↑	↑	↑
OILS		FATS		AMMONIA	OXIDISERS	INORGANIC SALTS	GASOLINE	DETERGENTS	U.V. RAYS
MINERAL	VEGETABLE	ANIMAL	SYNTHETIC						
↑	→	→	↑	↑	→	→	↑	↑	↑

## INOX 304 stainless steel

WATER	SALINE SOLUTION	ACIDS		BASES		SOLVENTS			
		CONCENTRATED	DILUTED	CONCENTRATED	DILUTED	ALCOHOL	ACETONE	PERCHLOROETHYLENE	BENZENE
↑	↑	→	↑	→	↑	↑	↑	↑	↑
OILS		FATS		AMMONIA	OXIDISERS	INORGANIC SALTS	GASOLINE	DETERGENTS	U.V. RAYS
MINERAL	VEGETABLE	ANIMAL	SYNTHETIC						
↑	↑	↑	↑	↑	→	↑	↑	↑	↑

## 316L stainless steel

WATER	SALINE SOLUTION	ACIDS		BASES		SOLVENTS			
		CONCENTRATED	DILUTED	CONCENTRATED	DILUTED	ALCOHOL	ACETONE	PERCHLOROETHYLENE	BENZENE
↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
OILS		FATS		AMMONIA	OXIDISERS	INORGANIC SALTS	GASOLINE	DETERGENTS	U.V. RAYS
MINERAL	VEGETABLE	ANIMAL	SYNTHETIC						
↑	↑	↑	↑	↑	↑	↑	↑	↑	↑

## Brass

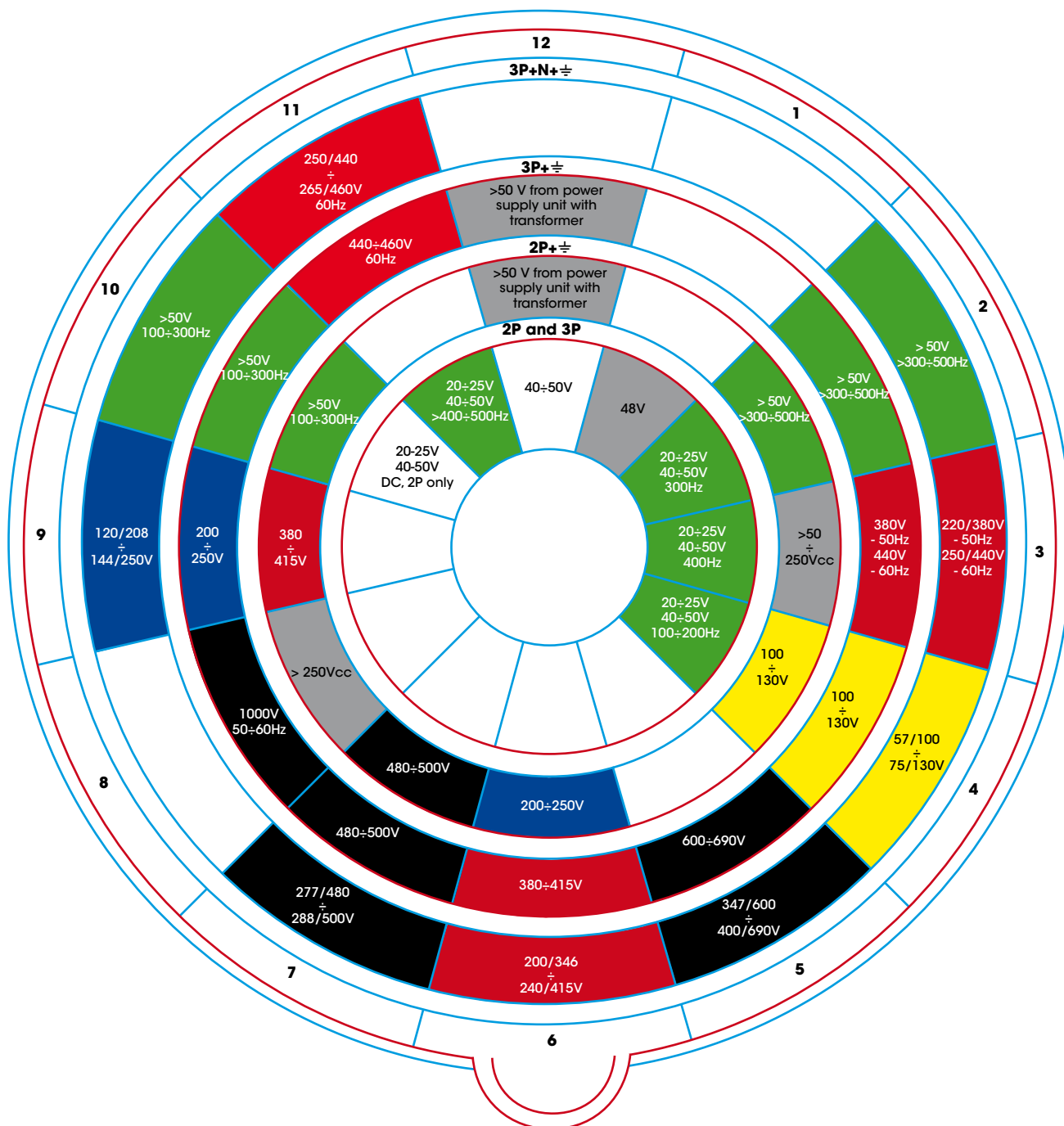
WATER	SALINE SOLUTION	ACIDS		BASES		SOLVENTS			
		CONCENTRATED	DILUTED	CONCENTRATED	DILUTED	ALCOHOL	ACETONE	PERCHLOROETHYLENE	BENZENE
↑	↑	↓	→	↓	→	↑	↑	↑	↑
OILS		FATS		AMMONIA	OXIDISERS	INORGANIC SALTS	GASOLINE	DETERGENTS	U.V. RAYS
MINERAL	VEGETABLE	ANIMAL	SYNTHETIC						
↑	↑	→	↑	↑	→	↑	↑	↑	↑

Legend: ↑ high resistance    → partial resistance    ↓ low resistance



# Hour Reference according to EN 60309-1 and EN 60309-2

Voltage and current combinations differ based on the position of the earth contact in one of the twelve different positions at 30° from one another around the pole circle. The reference of the different position is given by looking at the socket-outlet open (front) side; the 6 o'clock (180°) position is pointing down. The most common positions are yellow 2P+⊕, blue 2P+⊕, red 3P+⊕ and red 3P+N+⊕.







## Interlocked socket-outlets

EN 60309-1 standard specifies that socket-outlets must have a suitable breaking capacity and must withstand, with no excessive wear, the mechanical, electrical and temperature stresses originated during standard operation. If breaking capacity is too low (usually in higher capacity socket-outlets) or if additional safety is required under specific conditions (as envisaged by CEI 64/8), a suitable interlock device is required.



### OPERATOR'S RISKS

When you plug in or unplug a plug into its socket, you run the risk of a direct electrical contact. If the fixed socket-outlet is a ground, you always run the risk of indirect electrical contact. Laboratory experiments made on 16A socket-outlets showed that when the short-circuit current exceeds 4-5kA, the arc can become very dangerous (violent expulsion of gas with explosive phenomenon). There are also risks which could be originated by the environment, such as the risk of fire, for which electrical components must not be a cause of ignition and drag.

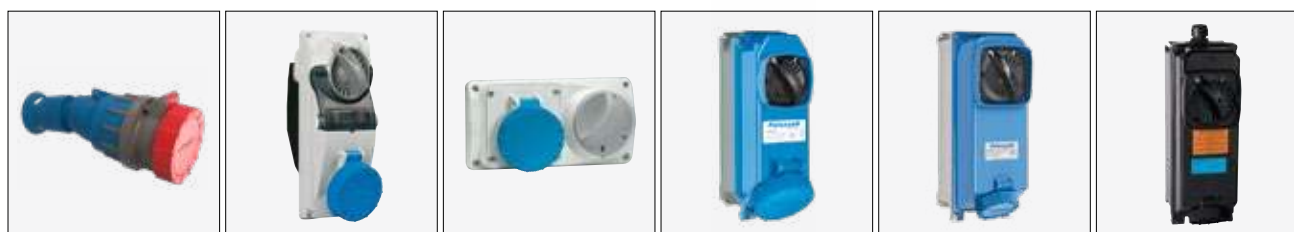
### RISK PREVENTION

To prevent the risks operator is subject to, socket-outlets must prevent both direct and indirect electrical contacts. A good method to prevent direct electrical contacts is the interlock device.

### INTERLOCK DEVICES

Interlock devices must be connected to a disconnecter switch so as to prevent the plug from being unplugged from the fixed socket-outlet when the contacts are live and, at the same time, to prevent the plug from being plugged in while the disconnecter switch is in closed position. This lock can be either mechanical or electrical. In case of mechanical lock, switch and socket-outlet must be integral with each other. In case of electrical lock, an auxiliary contact will be fitted on the socket-outlet and operated by plugging in the plug. This contact will operate on switch locking coil, allowing contact closing only with plug duly plugged in.

Standard EN 60309-4 provides for a short-circuit resistance of at least 10kA and utilisation category AC-22A.





# Isolator switches

The aim of switches and isolators is to enable or disable defined loads and, if necessary, to provide for the relevant protection. Based on the equipment functional mode, there can be:

- ) Isolators: these are devices able to supply continuous current, but unable to establish or to interrupt it. Their main function is to ensure power supply electrical separation. To this end, the isolator must ensure, in the opening position, a suitable distance between contacts;
- ) Switches: they differ from isolators as they can establish or interrupt the load current, taking also into account the temporary standard overload conditions. They can thus perform the actual opening and closing controls also with connected loads;
- ) Switch-disconnectors: these are control switches that, in the opening position, meet the isolating capacities specified for an isolator switch.

The following tables summarise the meaning of the use categories.

Switching and disconnecting of power circuits	Type of current	Utilisation category		Typical applications
		frequent operation	infrequent operation	
Alternating current		AC-20A (*)	AC-20B (*)	Connecting and disconnecting under no-load conditions
		AC-21A	AC-21B	Control of resistive loads with moderate overcurrents
		AC-22A	AC-22B	Control of mixed resistive and inductive loads with moderate overcurrents
		AC-23A	AC-23B	Control of motors or other highly inductive loads
Direct current		DC-20A (*)	DC-20B (*)	Connecting and disconnecting under no-load conditions
		DC-21A	DC-21B	Control of resistive loads with moderate overcurrents
		DC-22A	DC-22B	Control of mixed, resistive and inductive, loads, with moderate overcurrents (e.g. shunt motors)
		DC-23A	DC-23B	Control of highly inductive loads (e.g. motors in series)

(\*) The use of these categories is not permitted in the USA.

## Motor start-up

Type of current	Category	Typical applications
Alternating current	AC-2	Slip-ring motors: starting, plugging (*1), stopping
	AC-3	Squirrel-cage motors: starting, stopping
	AC-4	Squirrel-cage motors: starting, plugging (*1), inching (*2)
Direct current	DC-3	Shunt-motors: starting, plugging (*1), inching (*2), dynamic motor plugging in DC
	DC-5	Motors in series: starting, plugging (*1), inching (*2), dynamic motor plugging in DC

(\*1) by plugging it is intended a stopping or a reversal of the motor direction by inverting the primary connections of the motor while it is still running.  
 (\*2) by inching it is intended a command characterised by one or more short breaks of the power supply circuit in order to jog the motor.

Comparison between test values for AC-23A and AC-3 categories	Closing and opening power tests					Operating performance tests					
	V <sub>test</sub>	V <sub>test</sub>		cosφ	No. of op.	V <sub>test</sub>	V <sub>test</sub>		cosφ	V <sub>test</sub>	
		Closes	Opens				Closes	Opens		empty	load
AC-23A	1.05 U <sub>e</sub>	10 I <sub>e</sub>	8 I <sub>e</sub>	0.45/0.35	5/3	U <sub>e</sub>	I <sub>e</sub>	I <sub>e</sub>	0.65	8500	1500
AC-3	1.05 U <sub>e</sub>	8 I <sub>e</sub>	8 I <sub>e</sub>	0.45/0.35	50	1.05 U <sub>e</sub>	2 I <sub>e</sub>	2 I <sub>e</sub>	0.45/0.35	-	6000

The use of category AC-23A and AC-3 control and isolator switches covers the majority of applications in industrial plants and systems, as they are suitable for use even after a high number of operations and under overload conditions.

The above-indicated performance data for the isolator switches of the CAM-ST, CAM-SZ and CAM series were obtained using dual breaker cells with robust pads in Ag which guarantee the best possible performance of closing/opening powers, performances in short-circuit conditions, and they also allow a high number of disconnecting instances without losing their characteristics of high electrical reliability and durability.



# Isolator switches

CAM E CAM-ALUPRES* SERIES	SWITCHES - ISOLATOR SWITCHES							ISOLATORS			
	16A	25A	40A	63A	100A	200A	400A	600A	800A	1200A	
Rated insulation voltage Ui	V	500	500	500	500	500	500	500	500	500	
Rated impulse-withstand voltage Uimp	kV	4	4	4	4	4	4	4	4	4	
Rated closing capacity	A	160	250	400	630	1000	1250	1250	1250	1250	
Rated breaking capacity	A	128	200	320	504	800	1000	1000	1000	1000	
Protection against short circuit											
Rated short-time (1 sec.) withstand current	A	240	380	600	950	1500	3000	3000	3000	3000	
Conditional short-circuit current	kA	10	10	10	10	15	10	15	15	15	
Protective fuse max. current (gG)	A	16	25	40	63	100	200	400	600	800	
Rated and interrupted thermal current Ith = Iu	A	16	25	40	63	100	200	400	600	800	
Rated use voltage Ie											
AC-21A 415V 500V	A	16	25	40	63	100	200	-	-	-	
AC-22A 415V 500V	A	16	25	40	63	100	200	-	-	-	
AC-23A 230V 400V 500V	A	16	25	40	63	100	200	-	-	-	
AC-23A 230V 400V 500V	kW	5.1 8.9 11.1	8.0 13.9 17.3	12.7 22.2 27.7	20.1 34.9 43.6	31.9 55.4 69.3	63.7 110.9 138.6	-	-	-	
AC-3 230V 400V 500V	kW	4.5 7.8 9.7	6.4 11.1 13.9	11.2 19.4 24.2	17.5 30.5 38.1	- - -	31.9 55.4 51.9	-	-	-	
AC-4 230V 400V 500V	kW	3.5 6.1 7.6	4.5 7.8 9.7	6.7 11.6 14.5	11.2 19.4 24.2	- - -	- - -	-	-	-	
DC-23A 30V Max. voltage per pole in series	A	16	25	40	63	-	-	-	-	-	

\*Notes: 6-pole switches, 2-way switches, selector switches and inverters.

CAM-ST SERIE		12A	16A	20A	25A	32A	40A	63A
Rated insulation voltage Ui	V	690	690	690	690	690	690	690
Rated impulse-withstand voltage Uimp	kV	4	4	4	4	4	4	4
Rated closing capacity	A	120	160	200	250	320	400	630
Rated breaking capacity	A	96	128	160	200	256	320	504
Protection against short circuit								
Rated short-time (1 sec.) withstand current Icw	A	480	480	480	480	480	600	950
Conditional short-circuit current	kA	10	10	10	10	10	10	10
Protective fuse max. current (gI or aM)	A	12	16	20	25	32	40	63
Rated and interrupted thermal current Ith = Iu	A	12	16	20	25	32	40	63
Rated use voltage Ie								
AC-21A 400V 500V 690V	A	12	16	20	25	32	40	63
AC-22A 400V 500V 690V	A	12	16	20	25	32	40	63
AC-23A 230V 400V 500V 600V	A	10 6	14 10	18 12	20 16	32 25	40 32	63 50
AC-23A 230V 400V 500V 600V	kW	3.2 5.5 4.2 5.0	4.5 7.8 6.9 8.3	5.7 10.0 8.3 10.0	6.4 11.1 11.1 13.3	10.2 17.7 17.3 20.8	12.7 22.2 22.2 26.6	20.1 34.9 34.6 41.6
AC-3 230V 500V 400V 600V	kW	2.5 4.4 4.2 5.7	3.8 6.7 6.9 9.6	5.1 8.9 8.3 11.5	5.7 10.0 11.1 15.3	8.9 15.5 17.3 23.9	11.2 19.4 22.2 30.6	17.8 31.0 34.6 47.8
AC-4 400V	kW	1.2	1.7	2.2	2.5	3	5.5	7.5



# Isolator switches

CAM-SZ, CAM-TAIS AND CAM-ALUPRES* SERIES		16A	25A	32A	40A	40A CAM-SZ	63A	100A	125A	160A	200A	250A	400A	630A					
Rated insulation voltage Ui	V	690	690	690	690	690	690	690	750	1,000	1000	1000	1000	1,000					
Rated impulse-withstand voltage Uimp	kV	4	4	4	4	6	6	6	8	12	12	12	12	12					
Rated closing capacity	A	160	250	320	320	400	630	1,000	500	1600	2000	2500	4000	6300					
Rated breaking capacity	A	125	200	256	256	320	504	800	400	1280	1600	2000	3200	5040					
Protection against short circuit																			
Rated short-time (1 sec.) withstand current Icw	A	240	375	480	480	480	756	1200	2500	8000	8000	8000	15000	16000					
Rated short-circuit making capacity (Icm) (690V)	kA	1.5	1.5	1.5	1.5	2.2	2.2	2.2	3.6	30	30	30	65	26					
Conditional short-circuit current	kA	10	10	10	10	10	10	10	-	-	-	-	-	-					
Protective fuse max. current (gG)	A	16	25	32	40	40	63	100	-	-	-	-	-	-					
Rated and interrupted thermal current Ith = Iu	A	16	25	32	40	40	63	100	125	160	200	250	400	630					
Rated use voltage Ie																			
AC-21A 690V	A	16	25	32	40	40	63	100	125	160	200	250	400	630					
AC-22A 690V	A	16	25	32	40	40	63	100	125	160	200	250	400	630					
AC-23A 400V 500V 690V	A	16	25	32	32	40	63	63	90	160	200	250	400	630					
									70										
									50										
AC-23A 230V 400V 500V 690V	kW	5.1	8.0	10.2	10.2	12.7	20.1	20.1	22	48	60	75	132	200					
									8.9						80	110	140	220	355
									11.1						112	132	170	280	400
									15.3						144	200	250	400	630
AC-3 230V 400V 500V 690V	kW	5.1	8.0	10.2	10.2	12.7	15.9	15.9	-	-	-	-	-	-					
									8.9						-	-	-	-	-
									11.1						-	-	-	-	-
									15.3						-	-	-	-	-
AC-4 230V 400V 500V	kW	2.9	4.5	5.7	5.7	-	-	-	-	-	-	-	-	-					
									5.0						-	-	-	-	-
									6.2						-	-	-	-	-

\*Notes: only for 2, 3 and 4 pole switches.

USE WITH DIRECT CURRENT														
DC-21A	Rated use voltage Ie	A	16	25	32	32	40	63	100	-	-	-	-	-
	Max. voltage per pole in series	V	60	60	60	60	62	62	62	-	-	-	-	-
DC-22A	Rated use voltage Ie	A	16	25	32	32	40	63	63	-	-	-	-	-
	Max. voltage per pole in series	V	50	50	50	50	62	62	62	-	-	-	-	-
DC-23A	Rated use voltage Ie	A	16	25	32	32	40	40	40	-	-	-	-	-
	Max. voltage per pole in series	V	30	30	30	30	31	31	31	-	-	-	-	-
Frequency of operations at rated current		Op./h	120	120	120	120	120	120	120	-	-	-	-	-
Cross-section of solid conductors		mm <sup>2</sup>	1-10	1-10	1-10	1-10	6-35	6-35	6-35	10-70	10-70	-	-	240
Cross-section of flexible conductors		mm <sup>2</sup>	1-10	1-10	1-10	1-10	6-35	6-35	6-35	-	-	-	-	-
Tightening torque		Nm	2	2	2	2	3	3	3	6	6	15-22	15-22	30-44



## Electrical systems and distribution boards for construction sites

The electrical system of a construction site must meet the CEI 64-8/7 Standard (Electrical utility systems at a nominal voltage of no more than 1000 V in alternating current and 1500 V in direct current. Part 7: Particular environments and applications), which integrate the general requirements of CEI 64-8 Standard. Section 704 of this standard specifically covers "Construction and demolition sites".

A useful help to all plant installers for the execution of electrical installations in construction sites is provided by the Guide CEI 64-17, ed. 2010-2, "Guide to the execution of electrical installations on construction sites", which provides interesting information and suggestions for installation procedures. The guide also includes recommendations for circuits powered with plug-type sockets for the power supply of construction site electrical equipment that can be used by untrained personnel. In addition, the execution of the electrical system at construction sites is subject to Ministerial Decree 37/2008 and to Chapter IV of Legislative Decree 81/08 (ex Legislative Decree 494/96). Consequently, the electrical installer who builds the system, must issue the declaration of conformity as provided for in art. 7 of Ministerial Decree 37/08. The site's electrical system is excluded from the requirement that the project be signed by a professional technician registered in the register of building engineers. However, the installer is still obliged to issue a declaration of conformity (art. 10, paragraph 1, of Ministerial Decree 37/08).

We remind you art. 117 of Legislative Decree 81/2008 and art. 73 of Legislative Decree 106/2009 on safety distance from power lines.

Distribution boards for the distribution of electrical energy in construction sites must be constructed in compliance with the requirements of European Standard EN 61439-4 "Low-voltage (LV) switchgear and control gear assemblies, Part 4: Particular requirements for assemblies for construction sites (ACS)".

The standard defines low-voltage switchgear and controlgear subject to type tests for construction sites (ASC), in the following way: "Combination of one or several transforming or low voltage switching devices with associated control, measuring, signalling, protective and regulating equipment complete with all their internal electrical and mechanical connections and structural parts. designed and built for use on all construction sites, indoors and outdoors."

ACS Boards for construction sites are classified based on their function (IEC EN 61439-4 Standard):

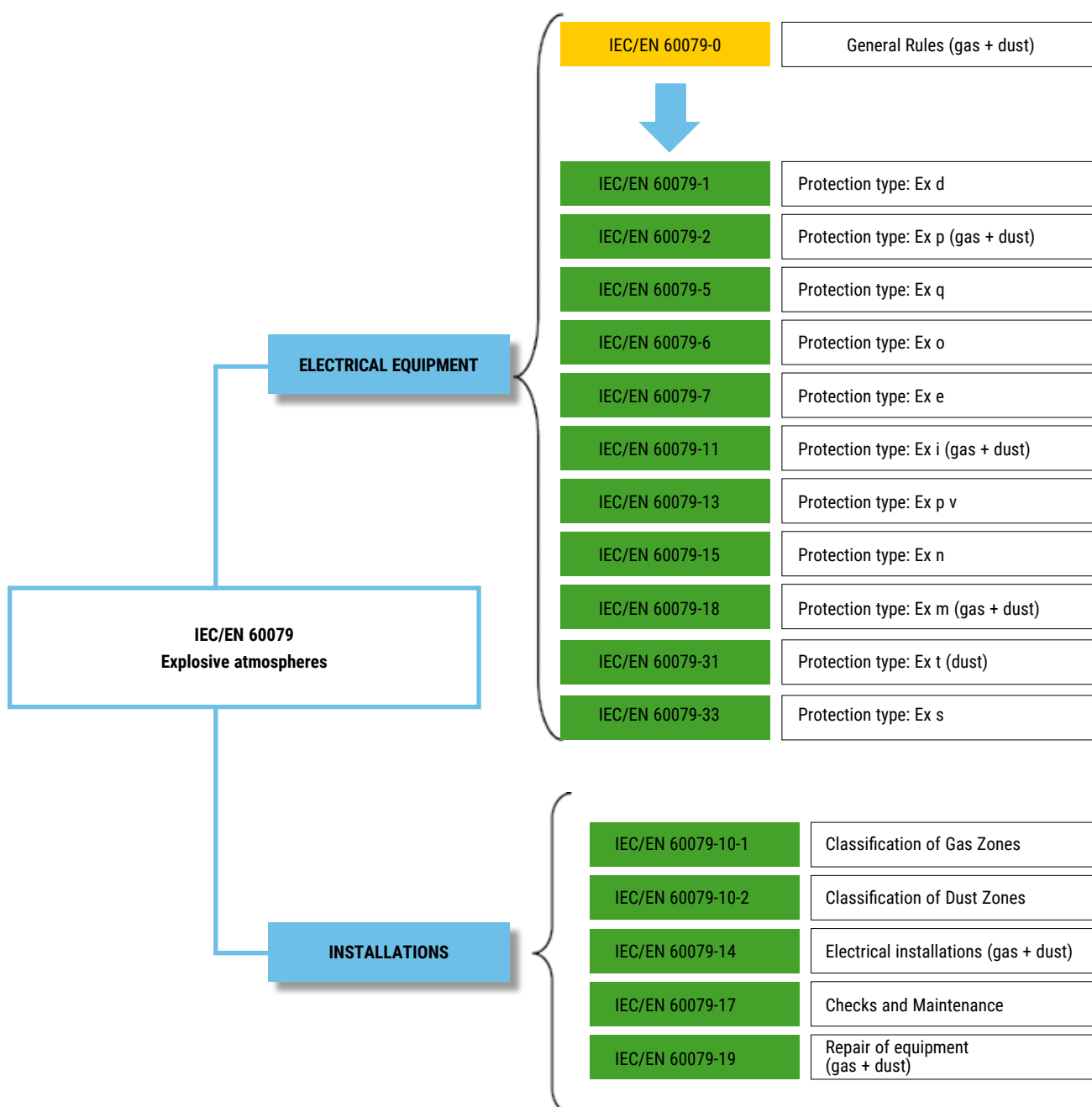






# ATEX electrical equipment


The structure of IEC/EN 60079 standards is such that the series is divided into parts. Part 0 sets out the general requirements for all equipment. From part 1 onwards the requirements are set out for each specific protection method. In order to conform to safety requirements, equipment used in hazardous and partially explosive environments should be produced in a specific way to protect people on site. Therefore it should not be able to trigger explosive atmospheres during its normal functioning, in conditions of first fault and/or in conditions of rare fault according to the explosion-proof level (EPL).






## Marking

CE marking is mandatory and must be affixed to any equipment, assembly or protection system (excluding components) before it is placed on the market or put into service. The manufacturer affixes the CE marking on the product that complies with the directive, in accordance with the following indications:

**CE EU mark + identification number of the Notified Body responsible for supervision +  + Group + Category**

For example: **CE0051  II 2GD**

As regards Category 3, as no intervention of a notified body is envisaged and therefore no CE type testing is required, nor production supervision, the marking will be as follows:

**CE EU mark +  + Group + Category**

For example: **CE  II 3G**


The purpose of marking is to inform those that purchase, install, use, maintain, check, etc., that the device has been constructed in compliance with the essential safety requirements, to the level established by the category.

In order to install equipment (whether electrical or not) in a potentially explosive area, it is necessary and sufficient that it is marked as above.

This means that electrical and non-electrical products which do not comply with the harmonised standards (e.g. Ex constructions) may be installed while still compliant with the law and with explosion protection principles.

In this case the equipment will be marked as shown in the examples above.

If, on the other hand, equipment (e.g. electrical equipment) is installed that is compliant with the directive as a consequence of the conformity with harmonised standards, i.e. Ex electrical equipment that are consequently presumed to comply with the Essential Safety Requirements, the ATEX marking requirements must be affixed in accordance with the following indications:


**EU mark CE+ identification number of the Notified Body responsible for supervision +  + Group + Category + Ex mark**

Example 1: **CE0051  II 2G Ex de IIC T5 Gb**

Example 2: **CE0051  II 2D Ex tb IIIC T 100°C Db IP66**

Example 3: **CE  II 3G Ex nR IIC T6 Gc**

A complete marking of an Ex electrical equipment, in conformity with directive 94/9/EC, must show the following:

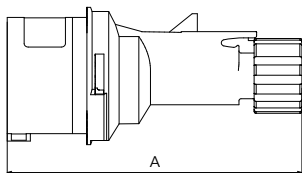
ABCD SpA, Via Moro 2, Milan (manufacturer's name and address)  
 MRT - 1234 - 2004 (type, serial or batch number, year)  
**CE0051** (CE mark, identification number of the Notified Body responsible for manufacturing supervision)  
 II 2G (group, category)  
 Ex d IIB T4 Gb (protection method, gas group, EPL temperature class)  
 CESI 02 ATEX 0999 (CE type test certificate number)  
 Characteristic parameters (supply voltage, frequency, etc.)



# PLUGS AND SOCKETS

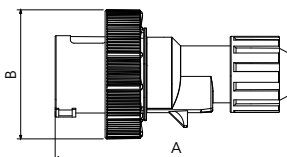
## MULTIMAX

### IP44 plugs



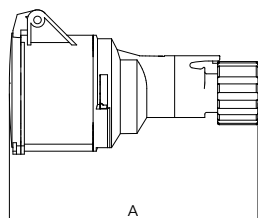
Rated current (A)	No. of poles	A (mm)
16	2P+⊕	127
	3P+⊕	134
	3P+N+⊕	142
32	2P+⊕	154
	3P+⊕	154
	3P+N+⊕	173

### IP67 plugs



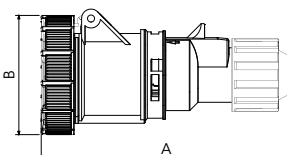
Rated current (A)	No. of poles	A (mm)	B (mm)
16	2P+⊕	135	69.5
	3P+⊕	140	77.5
	3P+N+⊕	150	85.5
32	2P+⊕	165	92
	3P+⊕	165	92
	3P+N+⊕	170	98.5
63	2P+⊕	250	111
	3P+⊕	250	111
	3P+N+⊕	250	111

### IP44 mobile socket-outlets



Rated current (A)	No. of poles	A (mm)
16	2P+⊕	134
	3P+⊕	143
	3P+N+⊕	151
32	2P+⊕	163
	3P+⊕	163
	3P+N+⊕	182

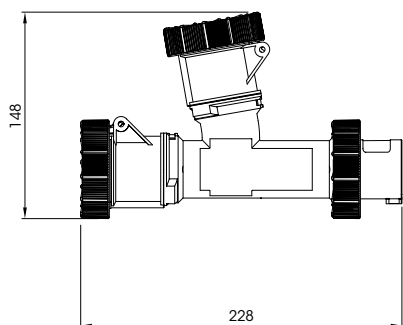
### IP67 mobile socket-outlets



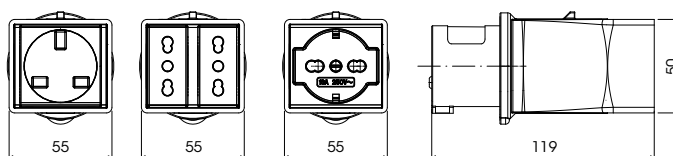
Rated current (A)	No. of poles	A (mm)	B (mm)
16	2P+⊕	145	69.5
	3P+⊕	150	77.5
	3P+N+⊕	165	85.5
32	2P+⊕	180	92
	3P+⊕	180	92
	3P+N+⊕	185	98.5
63	2P+⊕	270	111
	3P+⊕	270	111
	3P+N+⊕	270	111

## MULTIPLAY

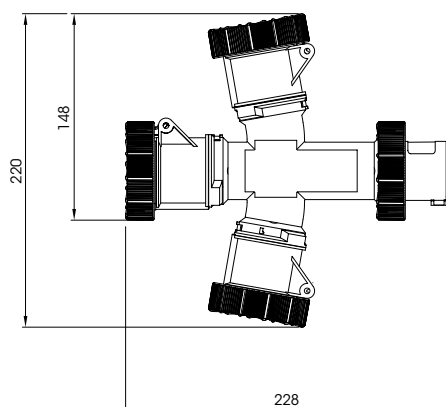
### Multipliers with 2 outlets



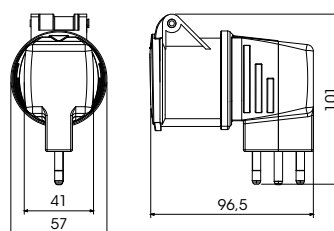
### Adaptor with industrial plug



### Multipliers with 3 outlets



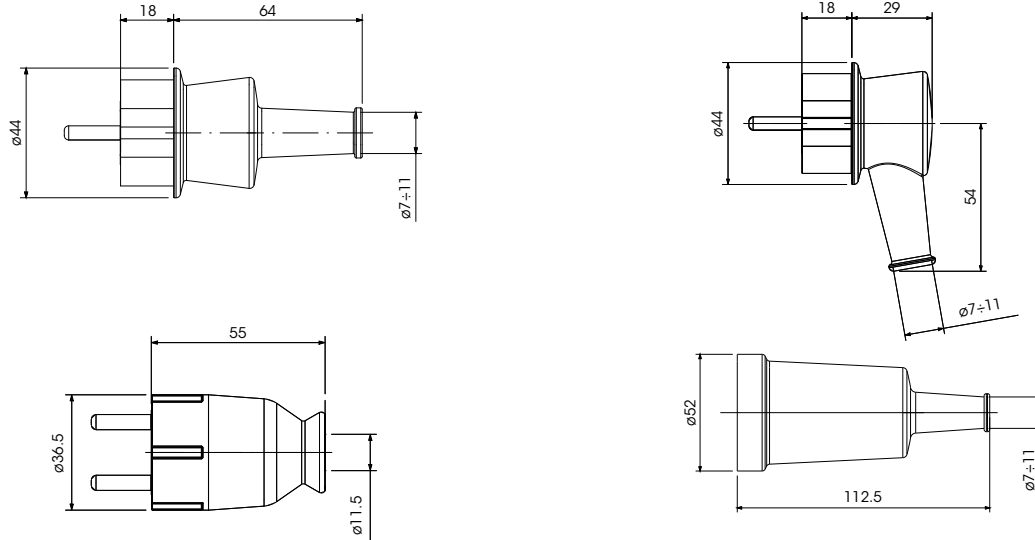
### Adaptor with domestic plug





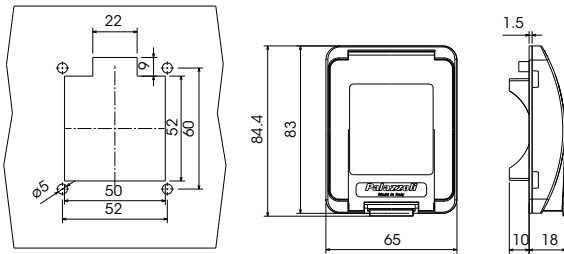
# PLUGS AND SOCKETS

## SPIN

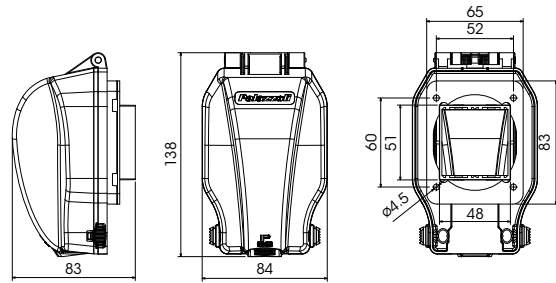


## topTER

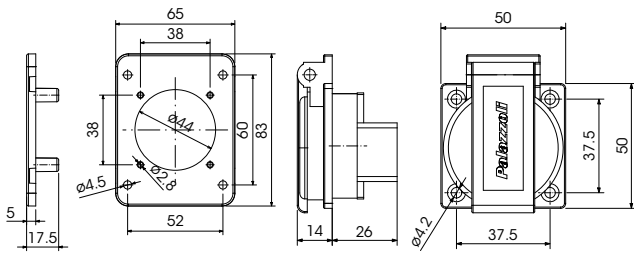
### IP66 cap



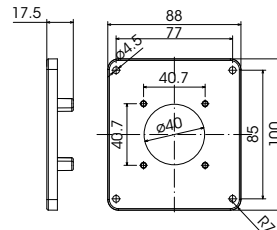
### IP66 cap



### Flange and international domestic sockets



### Flange for extra low voltage sockets

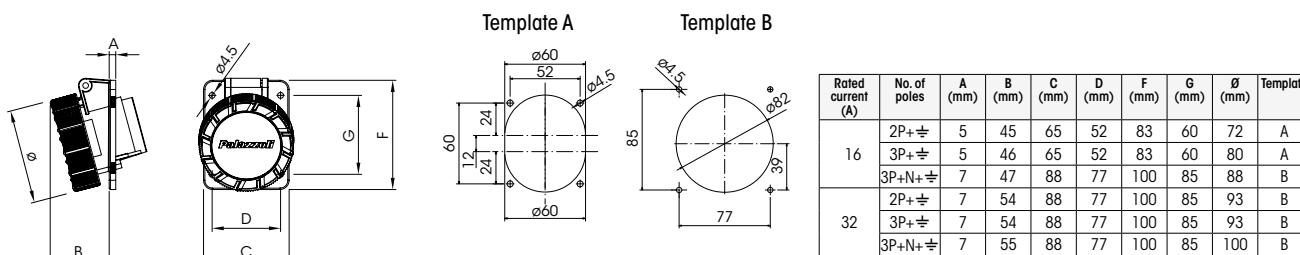




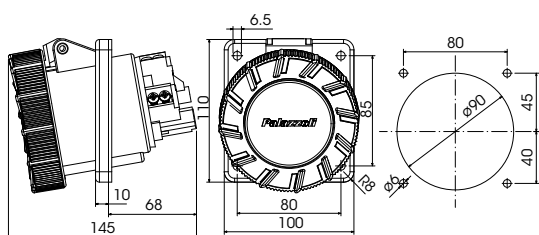
# PLUGS AND SOCKETS

## TOPTER

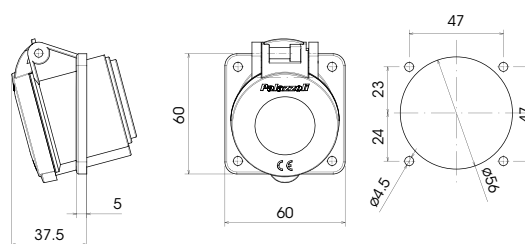
### 16A/32A sockets



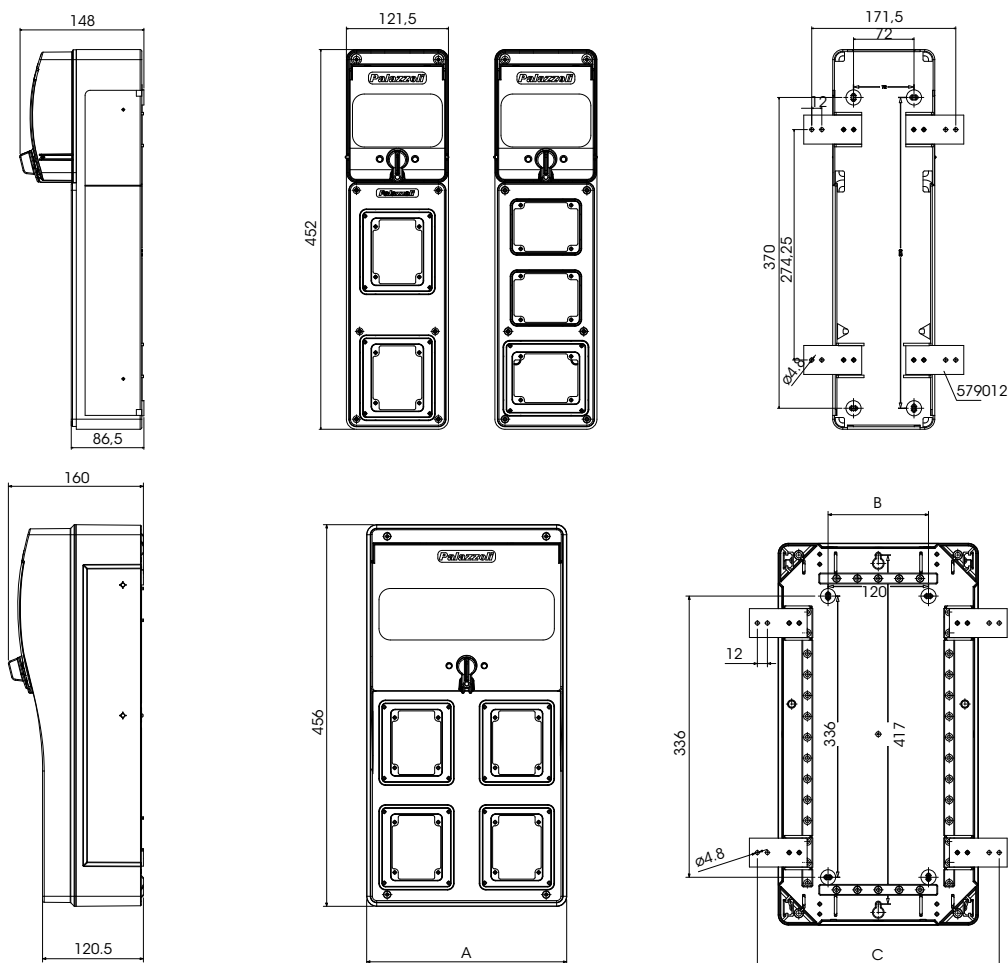
### 63A fixed socket-outlets



### Compact panel-mounted sockets



### Distribution boards



Palazzoli code	A (mm)	B (mm)	C (mm)
579824	239	120	289
579826	350	230	400
579828	461	340	511
579863	239	120	289
579865	350	230	400

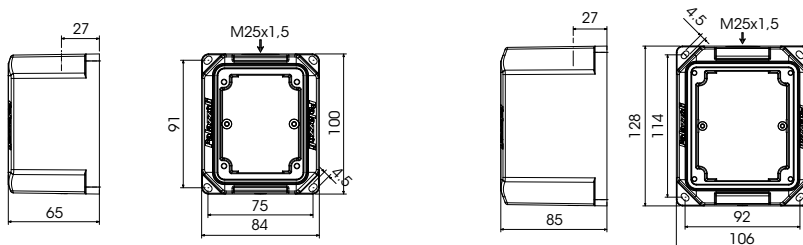




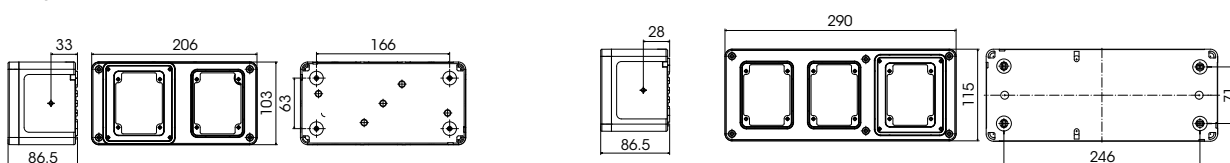
# PLUGS AND SOCKETS

## TOPTER

Individual back boxes code 579750 and code 579751

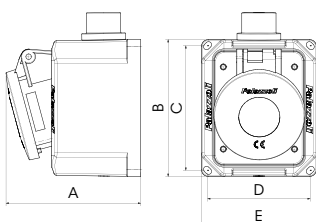


## Multiple back boxes



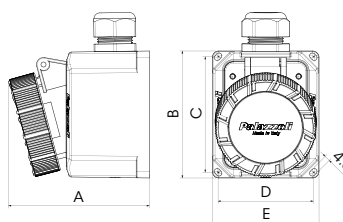
## topTER for wall mounting

### 15° angled IP44 sockets



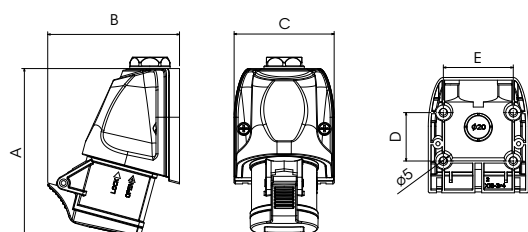
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
438124 - 438126	98	100	91	75	84
438136	99				
438146	118	128	114	92	106
438224 - 438236	128				
438246	128				

### 15° angled IP66/IP67 sockets



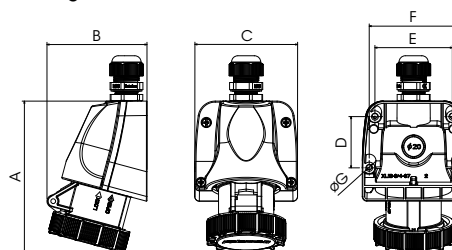
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
439124 - 439126	110	100	91	75	84
439136	111				
439146	132				
439233 - 439224 - 439236	139	128	114	92	106
439246	140				

### 90° angled IP44 sockets



Rated current (A)	No. of poles	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
16	2P+≋	124	98	74.5	36	52
	3P+≋	125	97	74.5	36	52
	3P+N+≋	138	115	85	40	60
32	2P+≋	150	116	85	40	60
	3P+≋	150	116	85	40	60
	3P+N+≋	150	118	85	40	60

### 90° angled IP67 sockets



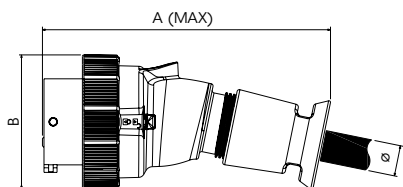
Rated current (A)	No. of poles	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
16	2P+≋	133	88	90	45	68	78	4.5
	3P+≋	135	90	90	45	68	78	4.5
	3P+N+≋	145	108	105	43	78	92	4.5
32	2P+≋	156	114	105	43	78	92	4.5
	3P+≋	156	114	105	43	78	92	4.5
	3P+≋ (3h)	164	113	94	46	80	80	4.5
	3P+N+≋	157	117	105	43	78	92	4.5
63	2P+≋	230	172	119	156	103	103	6
	3P+≋	230	172	119	156	103	103	6
	3P+N+≋	230	172	119	156	103	103	6



# PLUGS AND SOCKETS

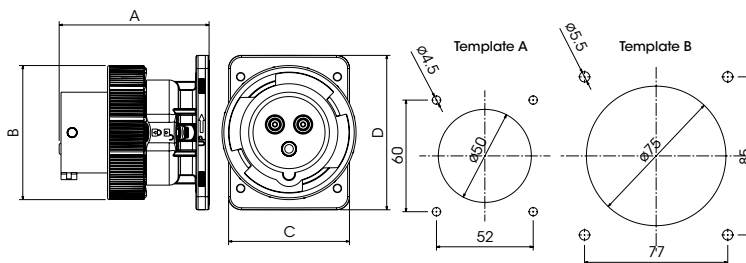
## XCEE

### Plugs

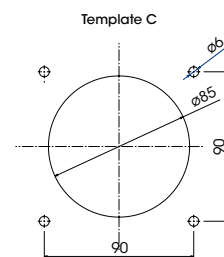


Rated current (A)	No. of poles	A (mm)	B (mm)	Ø (mm)
16	2P+±	167	72	6.3-18
	3P+±	173.5	80	
	3P+N+±	186.5	87	11-23
32	2P+±	194	93	11-23
	3P+±			
	3P+N+±	207	100	13-27
63	2P+±, 3P+±, 3P+N+±	252	112	14.5-37
125	2P+±, 3P+±, 3P+N+±	312	126	25-50

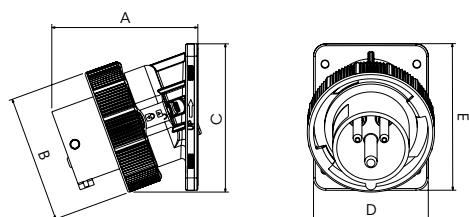
### Straight panel-mounted inlets



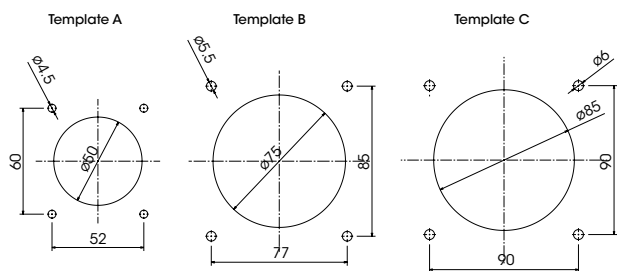
Rated current (A)	No. of poles	A (mm)	B (mm)	C (mm)	D (mm)	Template
16	2P+±	81	72	65	83	A
	3P+±	82	80			
	3P+N+±	84	87			
32	2P+±	91	93	100	108	B
	3P+±					
	3P+N+±	93.5	100			
63	2P+±, 3P+±, 3P+N+±	128.5	112	100	108	B
125	2P+±, 3P+±, 3P+N+±	134	126	114	114	C



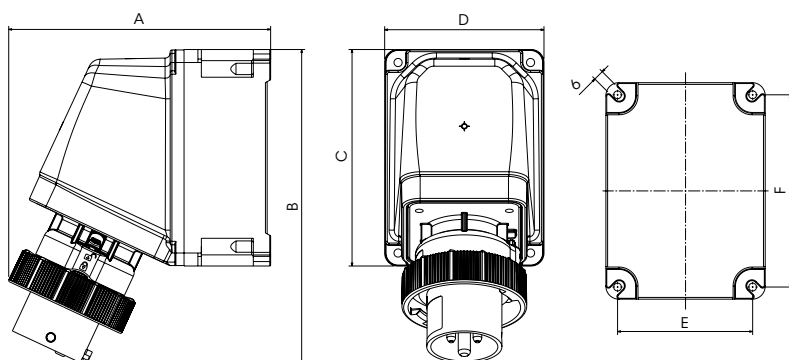
### Angled panel-mounted inlets



Rated current (A)	No. of poles	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Template
16	2P+±	83	72	84	65	83	A
	3P+±	84	80	88			
	3P+N+±	89	87	92			
32	2P+±	95	93	96	100	108	B
	3P+±						
	3P+N+±	100	100	115			
63	2P+±, 3P+±, 3P+N+±	134	112	132	100	108	B
125	2P+±, 3P+±, 3P+N+±	144	126	147	114	114	C



### 65° angled wall-mounted inlets



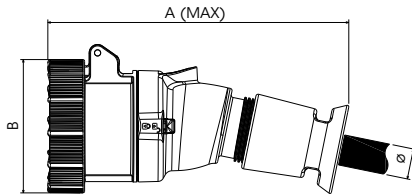
Rated current (A)	No. of poles	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
16	2P+±	152	183	125	92	78	111
	3P+±	156	185				
	3P+N+±	160	189				
32	2P+±	163	195	185	125	111	171
	3P+±						
	3P+N+±	207	239				
63	2P+±, 3P+±, 3P+N+±	219	272	185	125	111	171
125	2P+±, 3P+±, 3P+N+±	222	283				



# PLUGS AND SOCKETS

## XCEE

### Straight mobile socket-outlets



Rated current (A)	No. of poles	A (mm)	B (mm)	Ø (mm)
16	2P+⊕	176	72	6.3-18
	3P+⊕	183	80	
	3P+N+⊕	197	87	11-23
32	2P+⊕	207	93	11-23
	3P+⊕			
	3P+N+⊕	221	100	13-27
63	2P+⊕, 3P+⊕, 3P+N+⊕	272	109	14.5-37
125	2P+⊕, 3P+⊕, 3P+N+⊕	336	124	25-50

### Straight panel-mounted sockets

Rated current (A)	No. of poles	A (mm)	B (mm)	C (mm)	C1 (mm)	D (mm)	E (mm)	Template
16	2P+⊕	90	72	87		65	83	A
	3P+⊕	91	80	91				
	3P+N+⊕	94	87	97				
32	2P+⊕	104	93	97.5	102.5	100	108	B
	3P+⊕							
	3P+N+⊕	108	100	114				
63	2P+⊕, 3P+⊕, 3P+N+⊕	150	109	116.5	117	114	114	C
125	2P+⊕, 3P+⊕, 3P+N+⊕	157	124	127	132			

### Panel-mounted angled sockets

Rated current (A)	No. of poles	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Template
16	2P+⊕	97	72	96	65	83	A
	3P+⊕	99	80	100			
	3P+N+⊕	103	87	104			
32	2P+⊕	113	93	110	100	108	B
	3P+⊕						
	3P+N+⊕	118	100	130			
63	2P+⊕, 3P+⊕, 3P+N+⊕	161	109	152	114	114	C
125	2P+⊕, 3P+⊕, 3P+N+⊕	172	124	168			

### 65° angled wall-mounted socket-outlets

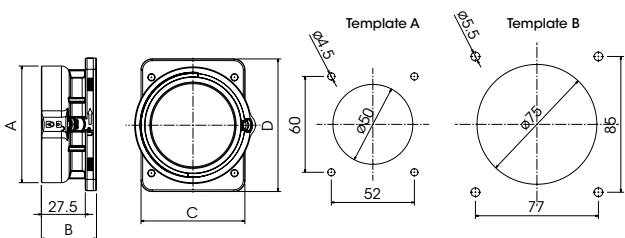
Rated current (A)	No. of poles	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
16	2P+⊕	166	196	125	92	78	111
	3P+⊕	170	198				
	3P+N+⊕	173	200				
32	2P+⊕	180	210	185	125	111	171
	3P+⊕						
	3P+N+⊕	225	257				
63	2P+⊕, 3P+⊕, 3P+N+⊕	246	297	234	307		
125	2P+⊕, 3P+⊕, 3P+N+⊕	234	307				



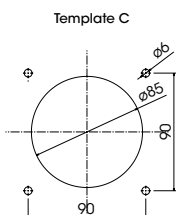
# PLUGS AND SOCKETS

## XCEE

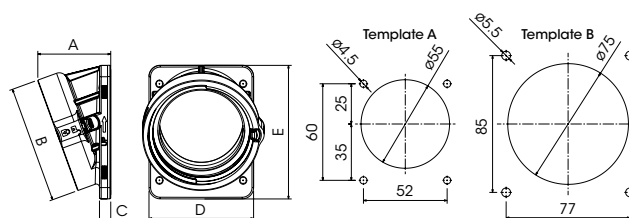
### Panel-mounted straight flanges



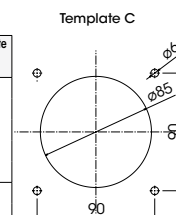
Rated current (A)	No. of poles	A (mm)	B (mm)	C (mm)	D (mm)	Template
16	2P+⊕	56.5	34.5	65	83	A
	3P+⊕	64				
32	2P+⊕	73	100	100	108	B
	3P+⊕					
63	2P+⊕, 3P+⊕, 3P+N+⊕	93	48	114	114	C
125	2P+⊕, 3P+⊕, 3P+N+⊕	108	46	114	114	C



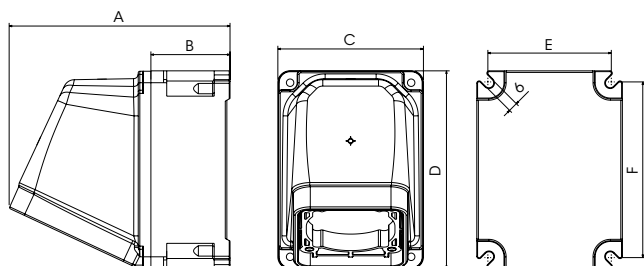
### Panel-mounted angled flanges



Rated current (A)	No. of poles	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Template
16	2P+⊕	42	56.5	7	65	83	A
	3P+⊕	44	64				
32	2P+⊕	45	73	9	100	108	B
	3P+⊕						
63	2P+⊕, 3P+⊕, 3P+N+⊕	63	93	9.5	114	114	C
125	2P+⊕, 3P+⊕, 3P+N+⊕	65	108	9.5	114	114	C

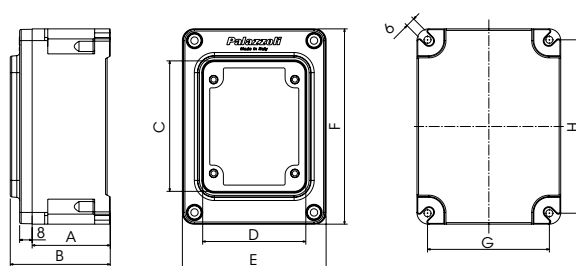


### 65° angled wall-mounted boxes



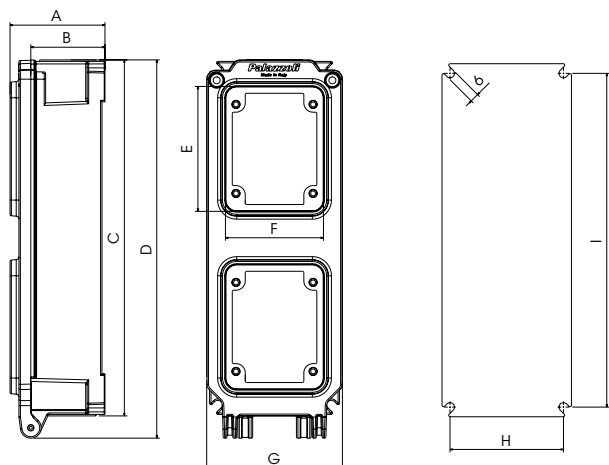
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
532131	140	50	92	125	78	111
532132	190	75	125	185	111	171
532133	208					

### Wall-mounted boxes for one device



Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
532101	50	64	83	65	92	125	78	111
532102	75	91	108	100	125	185	111	171
532103		108.5	14	114				

### Wall-mounted boxes for two devices



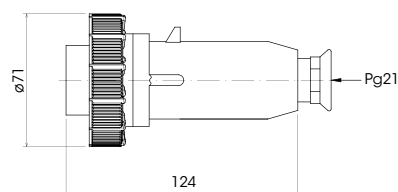
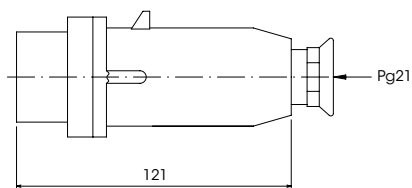
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)
532121	64	50	240	255	83	65	92	78	225
532122	91	75	335	352	108	100	125	109	319



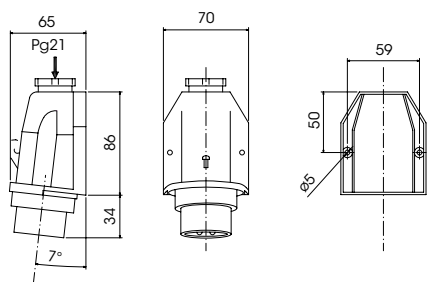
# PLUGS AND SOCKETS

## EXTRA low voltage CEE

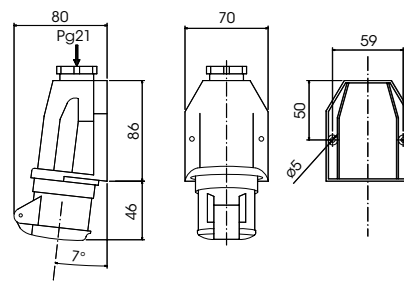
Straight mobile plugs IP67



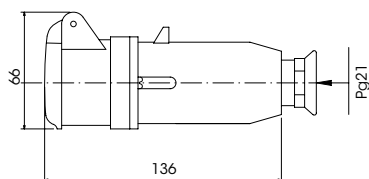
90° angled wall-mounted fixed plugs



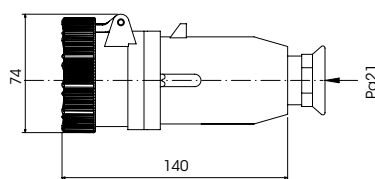
90° angled wall-mounted socket-outlets



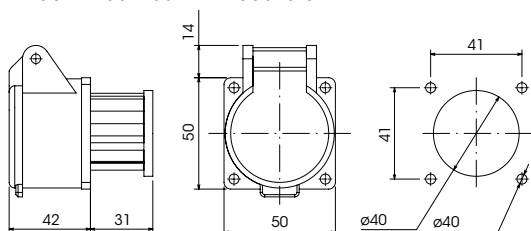
IP44 straight mobile socket-outlets



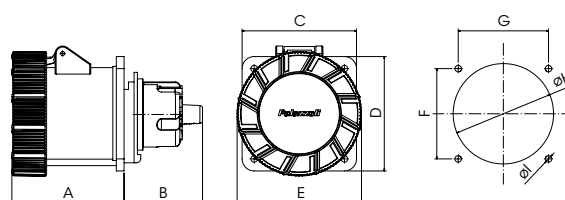
IP67 straight mobile socket-outlets



Flush-mounted IP44 sockets

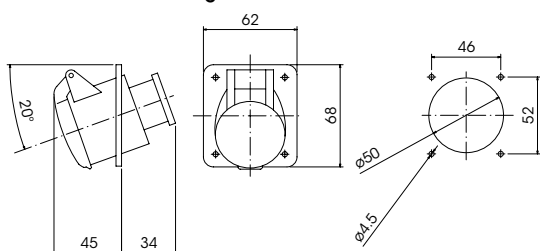


Flush-mounted IP67 sockets

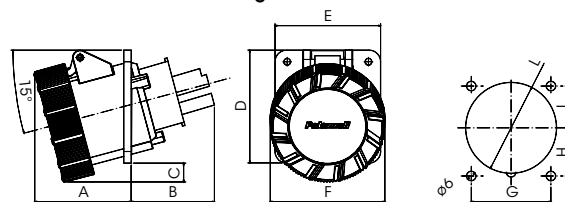


Rated current (A)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)
16	44	28	50	50	73	41	41	40	4.5
32	44	28	50	50	73	41	41	40	4.5
63	96	64	100	108	110	85	77	85	6.5
125	113	78	114	114	126	90	90	98	6.5

Flush-mounted angled IP44 sockets



Flush-mounted angled IP67 sockets



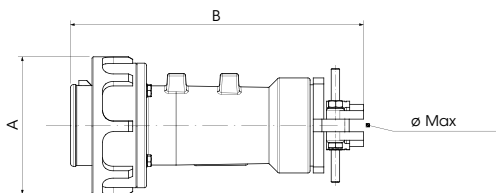
Rated current (A)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)
63	80	80	10	108	100	109	77	46	39	86
125	101	82	20	114	114	128	90	47	43	96



# PLUGS AND SOCKETS

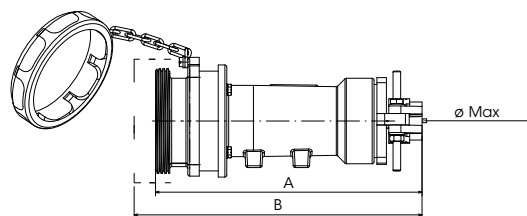
## ALUMAX

### Mobile plugs



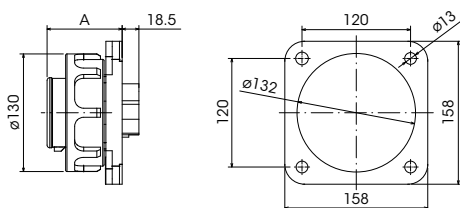
Rated current (A)	A (mm)	B (mm)	ØMax
250A	130	287.5	62
320/400A	155	378	80

### Fixed socket-outlets



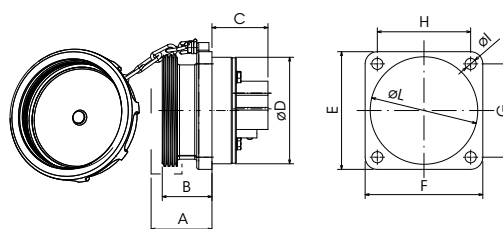
Rated current (A)	A (mm)	B (mm)	ØMax
250A	295	303	62
320/400A	375	391	82

### Fixed plugs



Rated current (A)	A (mm)
250A	83
320/400A	109

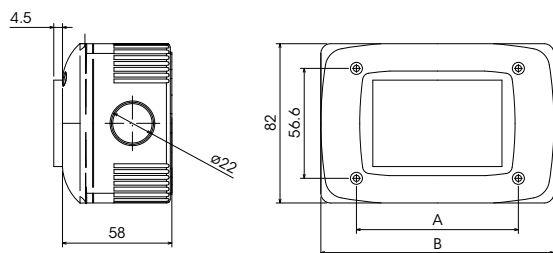
### Fixed socket-outlets



Rated current (A)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)
250A	60	49	59	105	116	116	92	92	11	107
320/400A	78	62	67	129	158	158	120	120	13	132

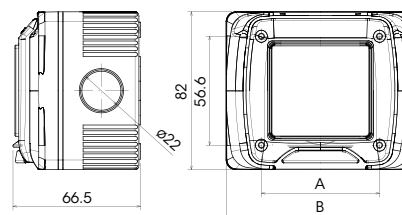
## DOMOTER

### Boxes for domestic devices - IP40



Palazzoli code	A (mm)	B (mm)
630001	39.4	76
630002	61.4	98
630003	83.4	120

### Boxes for domestic devices - IP55



Palazzoli code	A (mm)	B (mm)
630011	39.4	76
630012	61.4	98
630013	83.4	120

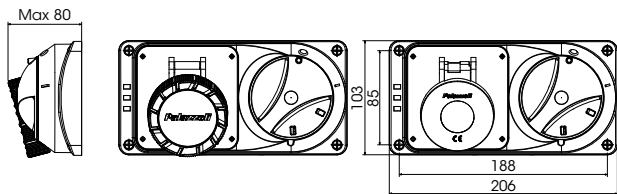




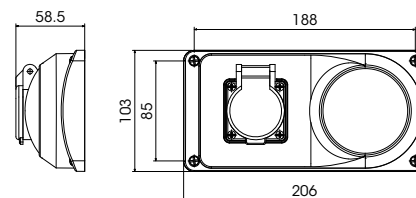
# INTERLOCKED SOCKET-OUTLETS

## PRIMA

Socket-outlets with switch

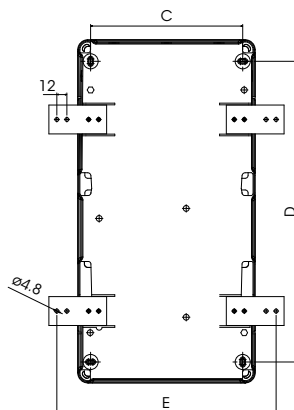
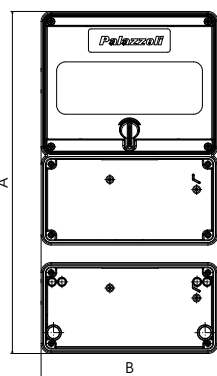
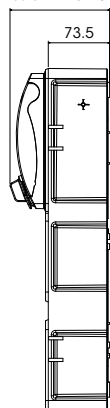


Socket-outlets with transformer



Distribution boards

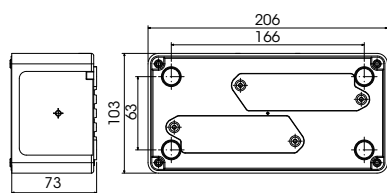
120  
103.5 with blind cover



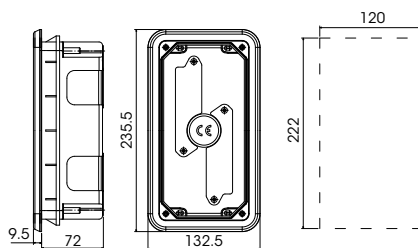
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
579602	280	424	393	230	474
579620	410	212	182	360	262
579621	410	212	182	360	262
579640	410	424	393	360	474
579641	410	424	393	360	474
579642	410	424	393	360	474

Bottom boxes - flanges - control unit

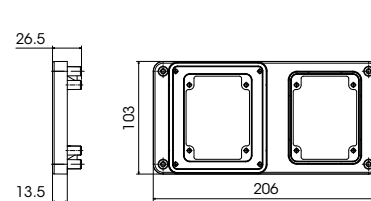
code 579500



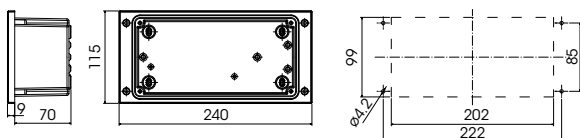
code 579510



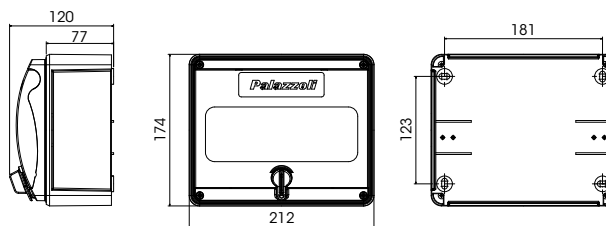
code 579718



code 575501



code 579612

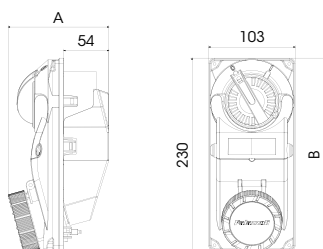




# INTERLOCKED SOCKET-OUTLETS

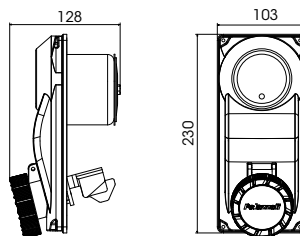
## TOPTER

### Socket-outlets with switch

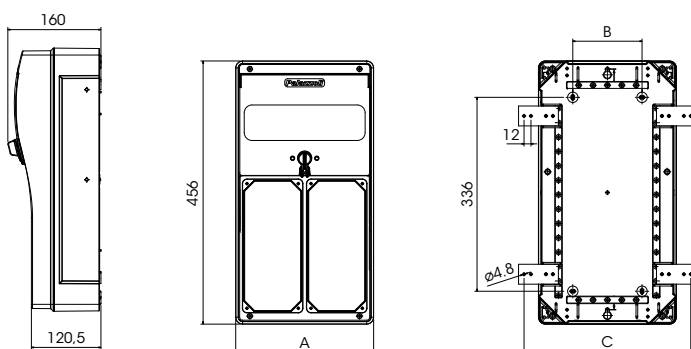


Rated current (A)	No. of poles	A (mm)	B (mm)
16	2P+⊕	120	232
	3P+⊕	123	233
	3P+N+⊕	127	234
32	2P+⊕	135	237
	3P+⊕	135	237
	3P+N+⊕	140	238

### 24V sockets with transformer

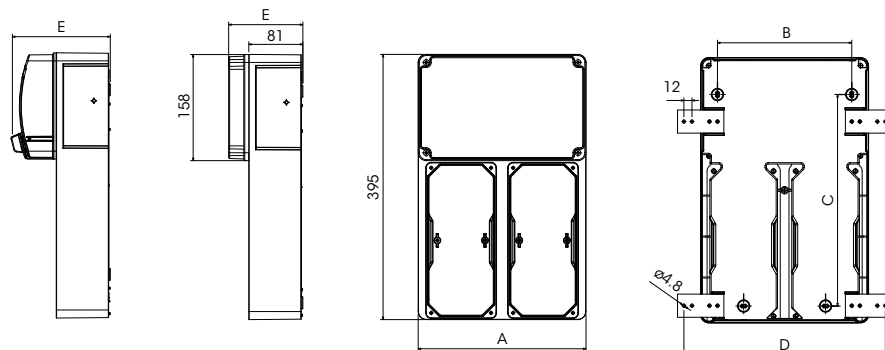


### Boards with transparent door



Palazzoli code	A (mm)	B (mm)	C (mm)
579742	239	120	289
579743	350	230	400
579744	461	340	511

### Distribution boards with transparent and blind cover

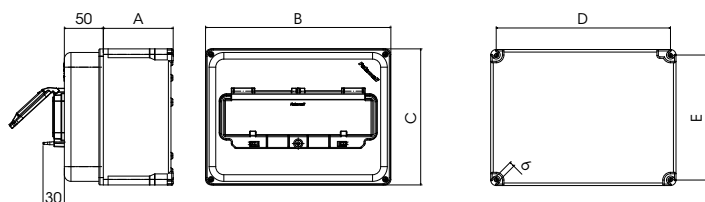
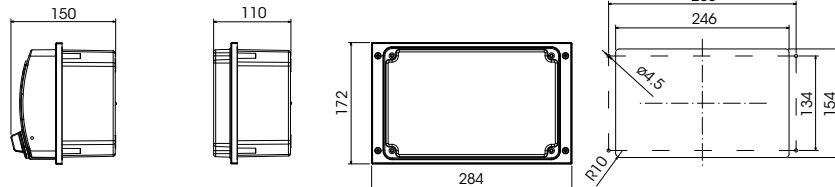


Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
579741	122	72	275	172	147
579721	122	72	275	172	111
579722	250	200	315	300	111
579723	380	330	315	430	111

### Wall-mounted control unit

code 575506

code 575505



Palazzoli code	A (mm)	B (mm)	C (mm)
579708	122	110	80
579709	250	108	200

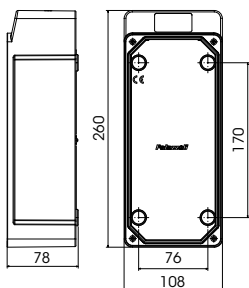


# INTERLOCKED SOCKET-OUTLETS

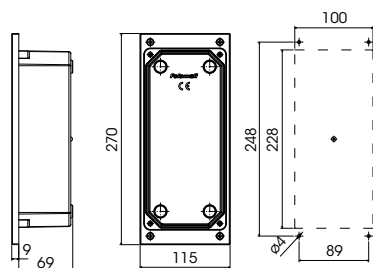
## TOPTER

Boxes and flanges

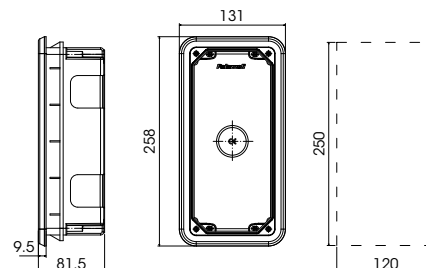
code 579710



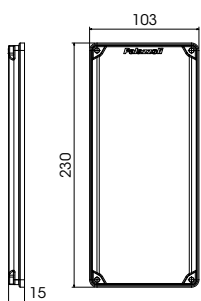
code 579711



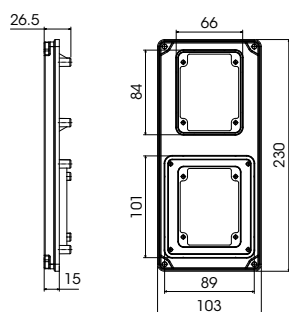
code 579712



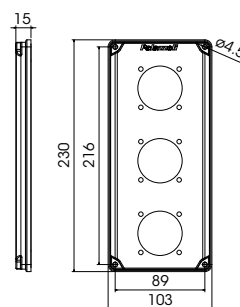
code 579713



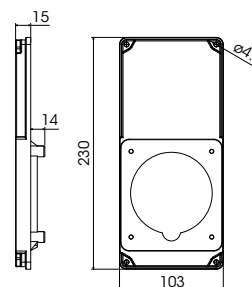
code 579714



code 579716

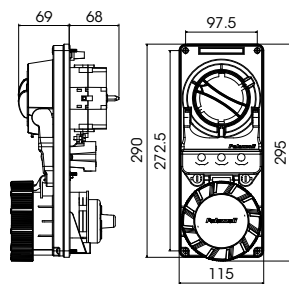


code 579717

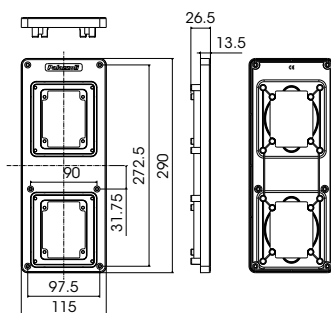


## topTER 63A

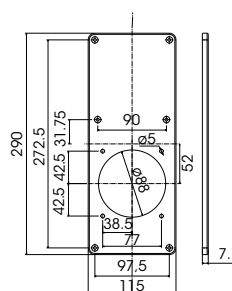
Socket-outlets



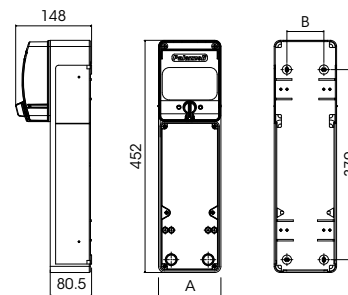
code 579719



code 579910

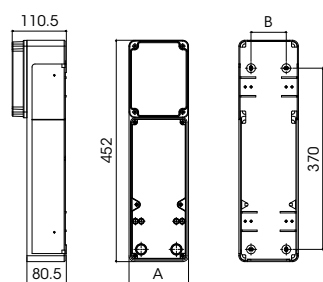


Boards and boxes  
code 579631

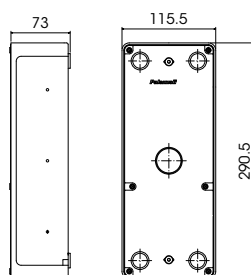


Palazzoli code	A (mm)	B (mm)
579631	121.5	72
579622	250	200
579623	378.5	328.5

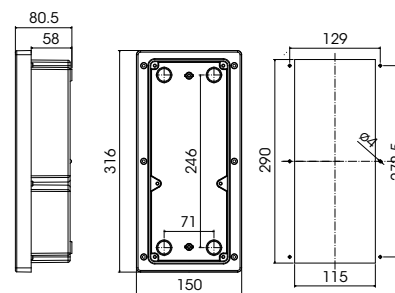
code 579421



code 579400



code 575502



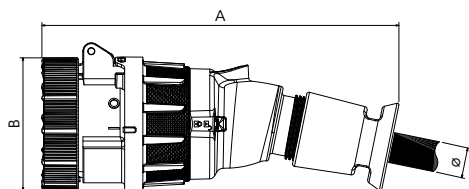
Palazzoli code	A (mm)	B (mm)
579421	121.5	72
579422	250	200
579423	378.5	328.5



# INTERLOCKED SOCKET-OUTLETS

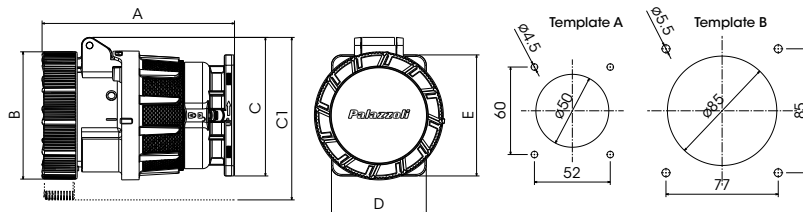
## ROTOR

### Straight mobile rotoswitches



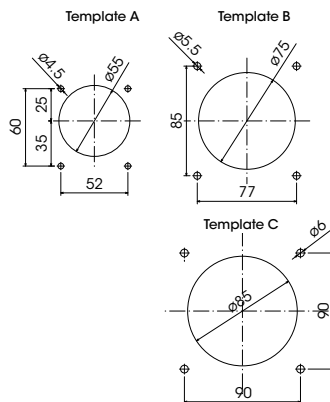
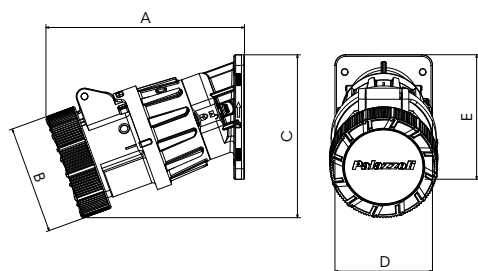
Rated current (A)	No. of poles	A (mm)	B (mm)	∅ (mm)
16	2P+⊕	214	72	6.3-18
	3P+⊕	222	80	
	3P+N+⊕	235	87	
32	2P+⊕	250	93	11 - 23
	3P+⊕		100	
	3P+N+⊕	264	13-27	
63	2P+⊕	345	109	14.5-37
	3P+⊕			
	3P+N+⊕			
125	2P+⊕	415	155	25-50
	3P+⊕			
	3P+N+⊕			

### Straight panel-mounted rotoswitched sockets



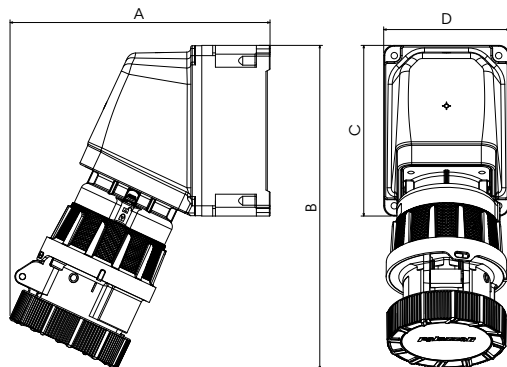
Rated current (A)	No. of poles	A (mm)	B (mm)	C (mm)	C1 (mm)	D (mm)	E (mm)	Template
16	2P+⊕	129	72	87	-	65	83	A
	3P+⊕		80	91	-			
	3P+N+⊕		132	87	97			
32	2P+⊕	146	93	97.5	102.5	100	108	B
	3P+⊕							
	3P+N+⊕	150	100	114	-			
63	3P+⊕	218	108.6	132	-	100	108	B
	3P+N+⊕							

### Panel-mounted angled rotoswitches



Rated current (A)	No. of poles	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Template
16	2P+⊕	133	72	109	65	83	A
	3P+⊕	135	80	113			
	3P+N+⊕	139	87	117			
32	2P+⊕	152	93	125	100	108	B
	3P+⊕						
	3P+N+⊕	157	100	144			
63	3P+⊕	224	109	175	100	108	B
	3P+N+⊕						
125	3P+⊕	245	124	195	114	114	C
	3P+N+⊕						

### Panel-mounted 65° angled rotoswitches



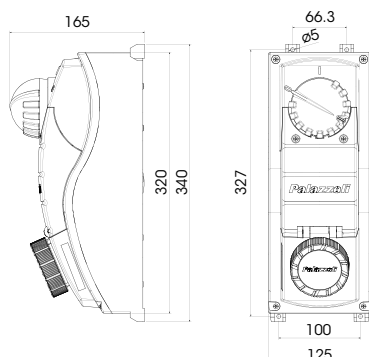
Rated current (A)	No. of poles	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
16	2P+⊕	182	230	125	92	78	111
	3P+⊕	186	233				
	3P+N+⊕	191	237				
32	2P+⊕	200	250	185	125	111	171
	3P+N+⊕		243				
63	3P+⊕	275	358	185	125	111	171
	3P+N+⊕						
125	3P+⊕	250	385	185	125	111	171
	3P+N+⊕						



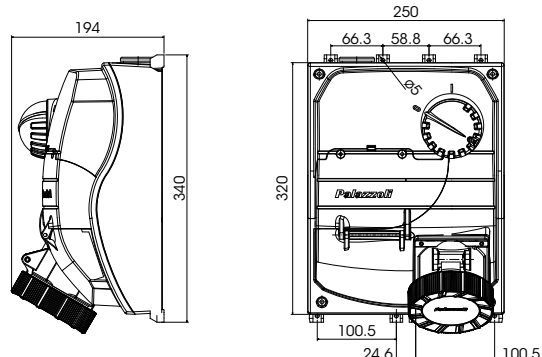
# INTERLOCKED SOCKET-OUTLETS

## ULYSSE

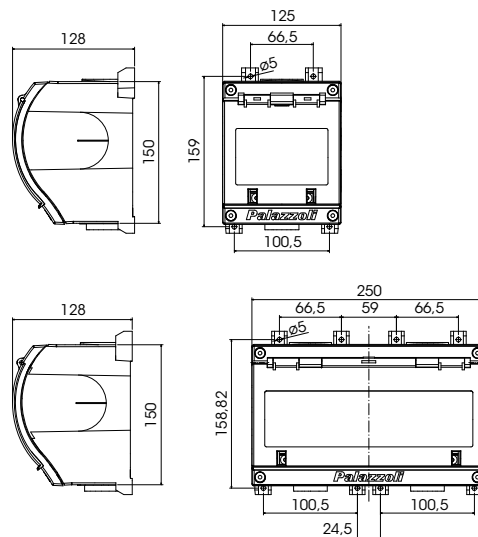
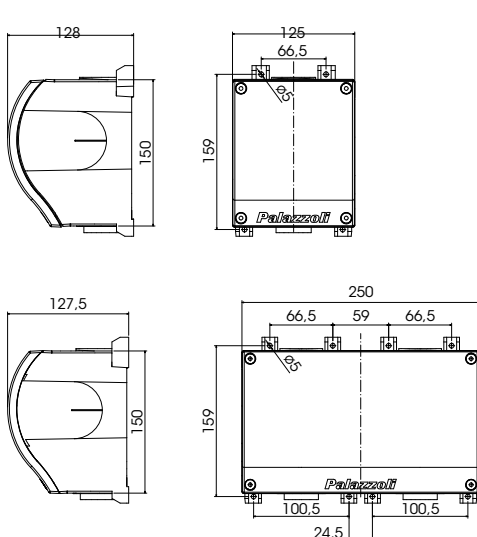
Sockets with 16A/32A switch



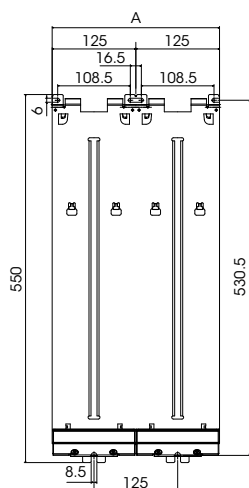
Socket-outlets with 63A switch



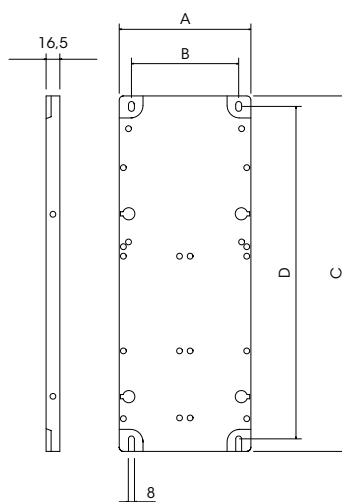
## Boxes



## Back plates in steel and thermosetting GRP



Palazzoli code	A (mm)
415901	125
415902	250
415903	375
415904	500



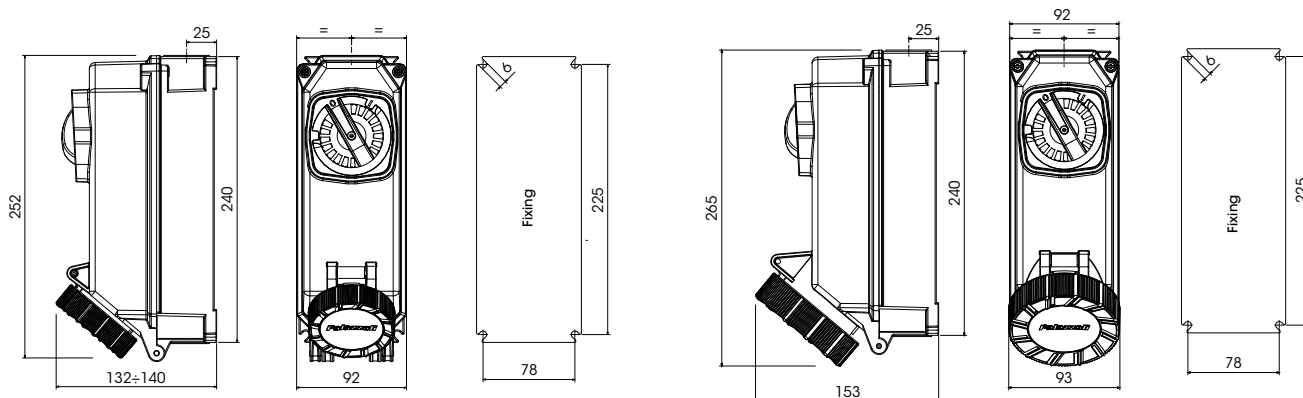
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)
415801	125	90	540	515
415802	250	215	540	515



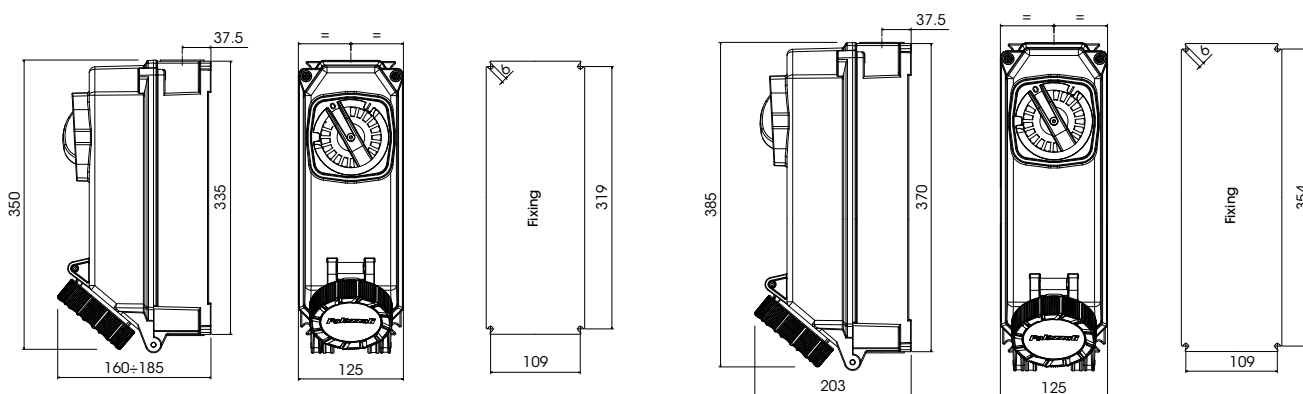
# INTERLOCKED SOCKET-OUTLETS

## TAIS

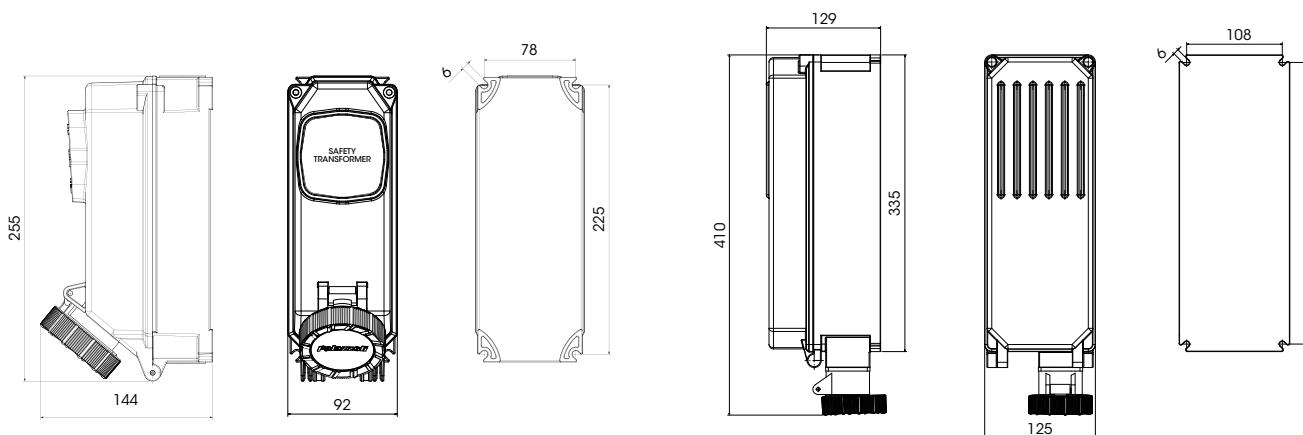
Interlocked socket-outlets - Module 95, 16A - 32A



Interlocked socket-outlets - Module 125, 16A/32A - 63A



24V sockets with transformer



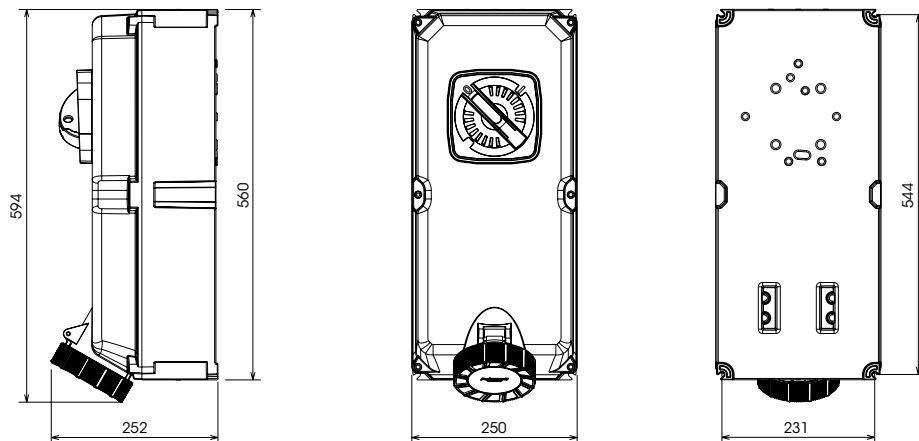




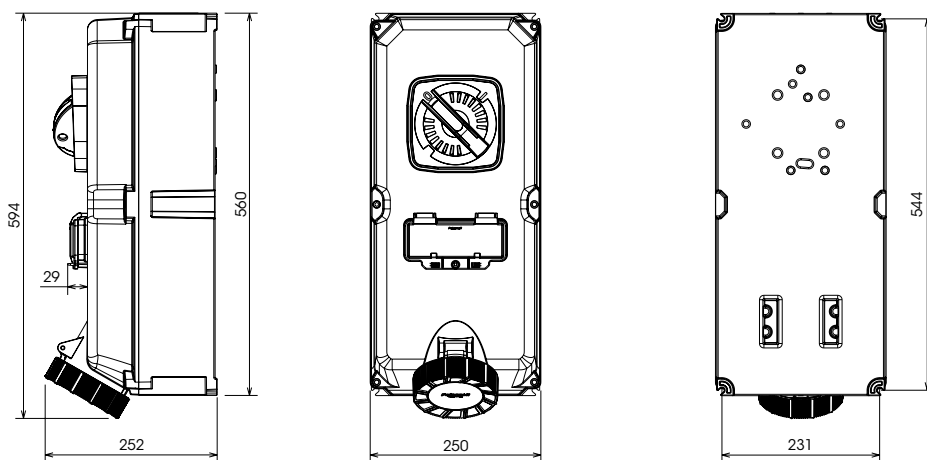
# INTERLOCKED SOCKET-OUTLETS

## TAIS

Interlocked socket-outlets - Module 250 - 125A



Interlocked socket-outlets with DIN rail - Module 250 - 125A

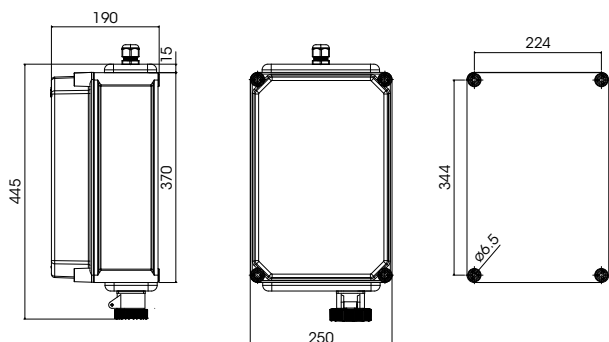




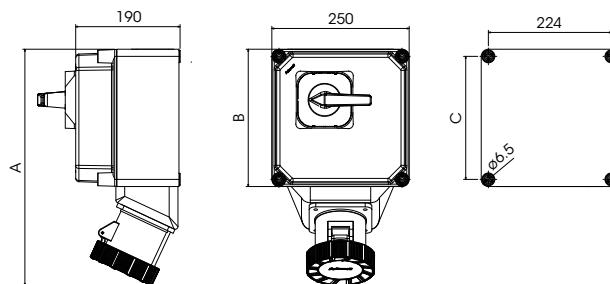
# INTERLOCKED SOCKET-OUTLETS

## TAIS

### 48V socket with transformer

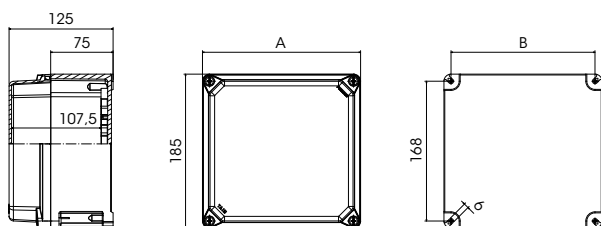


### Socket-outlets with electrical interlock



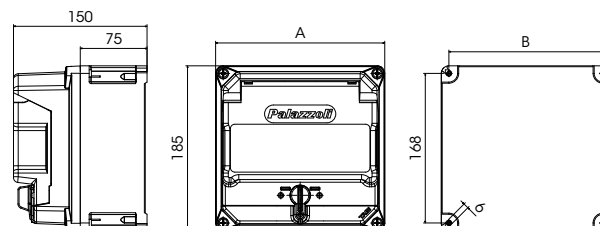
Palazzoli code	A (mm)	B (mm)	C (mm)
478336	402	250	224
478346	402	250	224
478436	425	250	224
478446	425	250	224
476336	520	370	344
476346	520	370	344
476436	544	370	344
476446	544	370	344

### Blind boxes



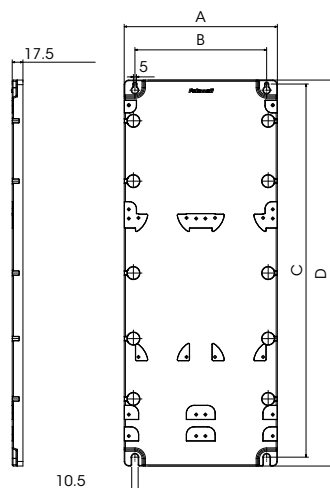
Palazzoli code	A (mm)	B (mm)
532200	125	108
532201	190	173
532202	250	233
532203	290	273
532204	380	363

### Boxes with window



Palazzoli code	A (mm)	B (mm)
532300	125	108
532301	190	173
532302	250	233
532303	290	273
532304	380	363

### Back plates in thermosetting GRP



Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)
538800	125	90	609	630
538801	190	155	480	500
538802	250	215	609	630
538803	290	255	483	500
538804	380	345	609	630

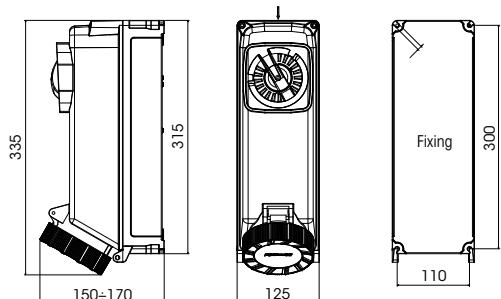


# INTERLOCKED SOCKET-OUTLETS

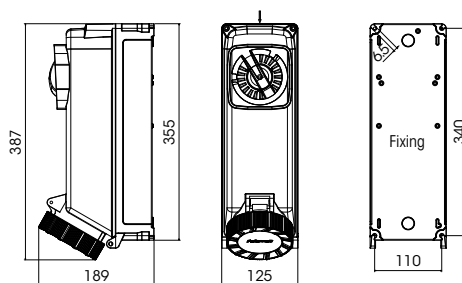
## ALUPRES

Interlocked socket-outlets - Module 125

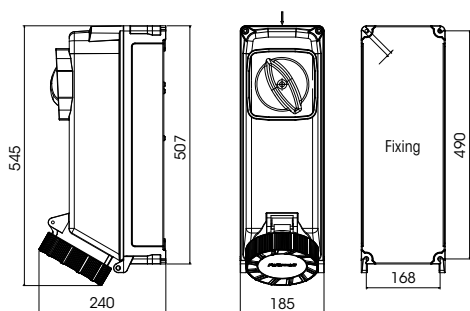
16A/32A



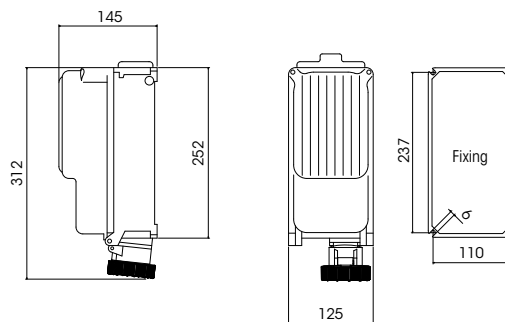
63A



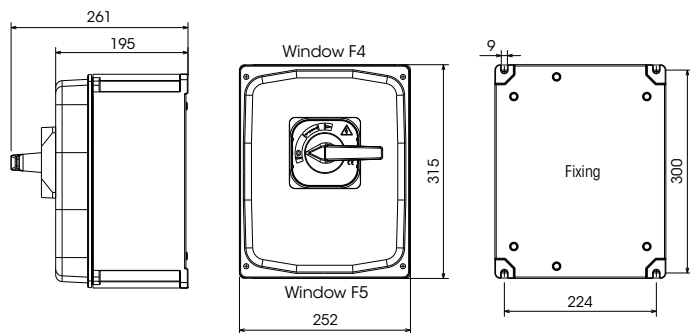
Interlocked socket-outlets - Module 185 - 125A



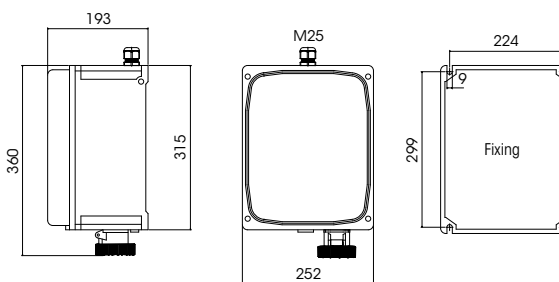
24V sockets with transformer



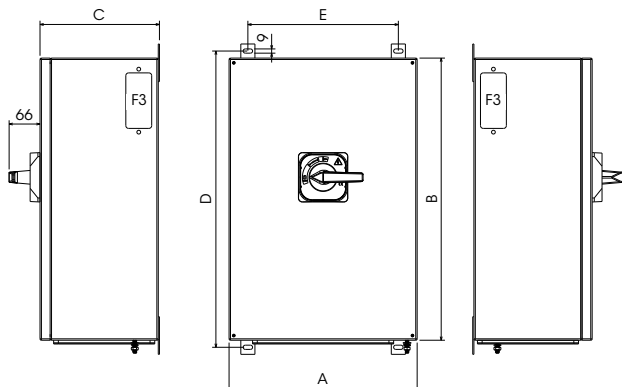
Switch of module 250 - 125A/160A/250A



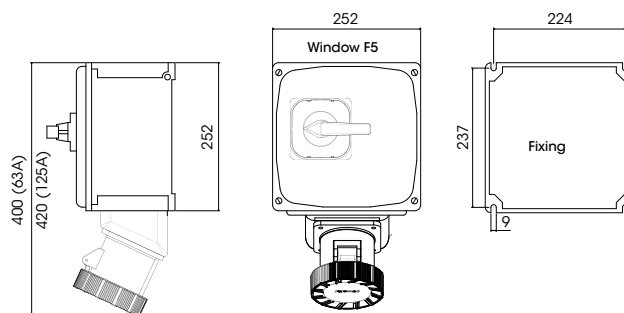
48V socket-outlets with transformer



400A/630A switch



Socket-outlets with electrical interlock



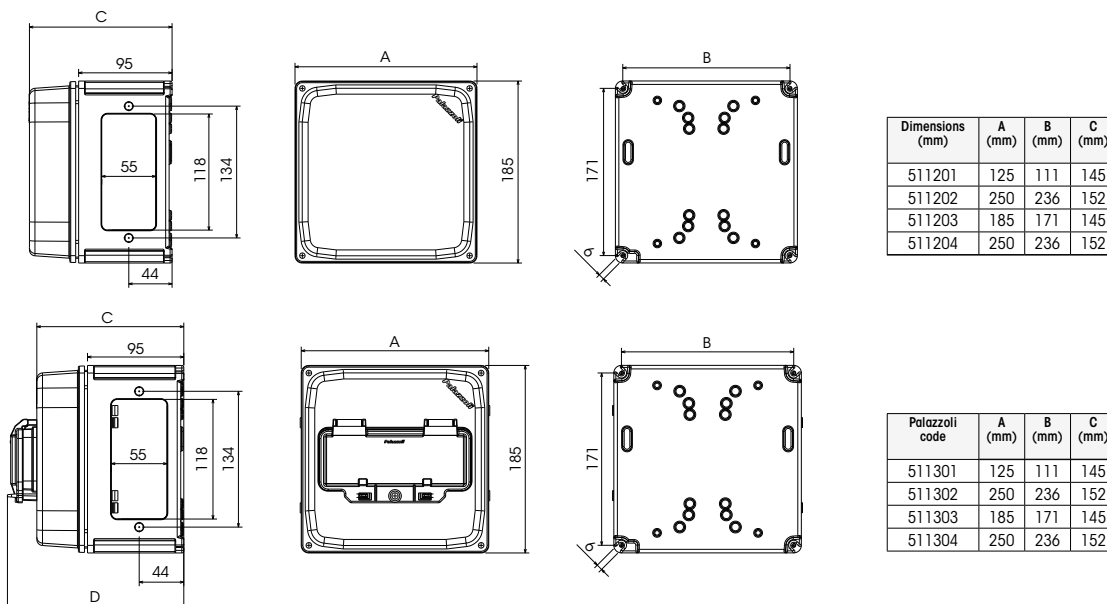
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
274440	400	600	252	630	320
274463	500	900	252	930	450



# INTERLOCKED SOCKET-OUTLETS

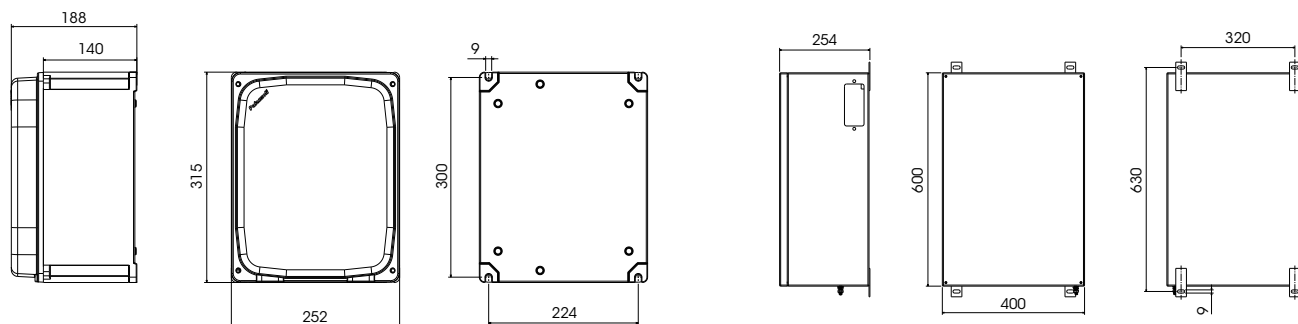
## ALUPRES

Boxes in aluminium alloy

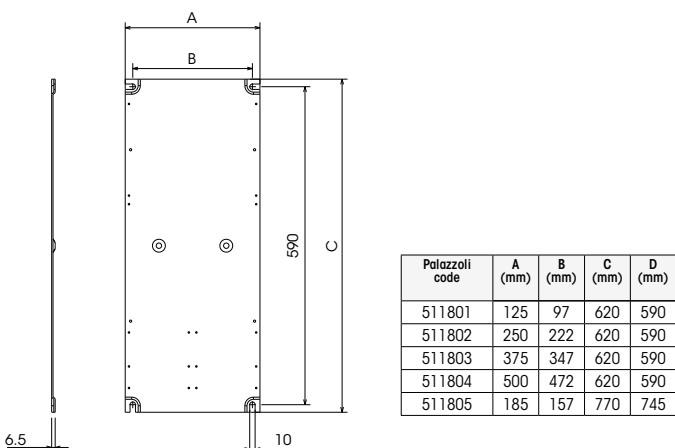


Boxes in aluminium alloy

Steel boxes



Mounting plate



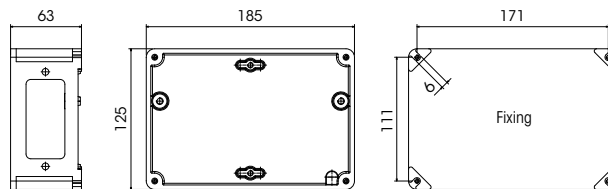
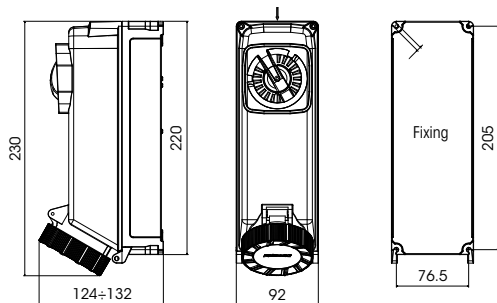


# INTERLOCKED SOCKET-OUTLETS

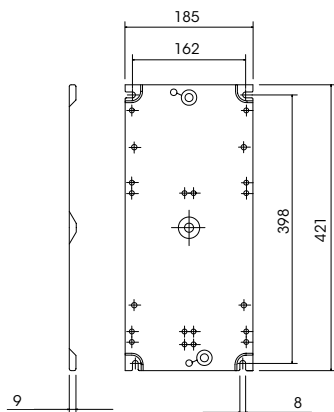
## ALUPRES

Compact socket-outlets of module 92 - 16A

Compact aluminium alloy box



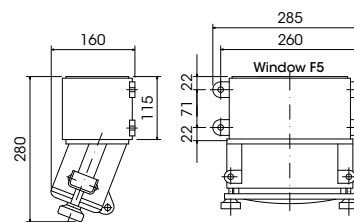
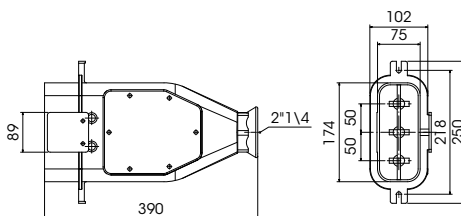
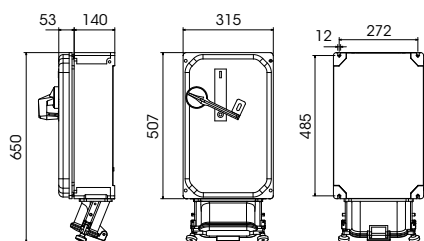
Mounting plate for compact socket-outlets



Interlocked socket-outlets 250A

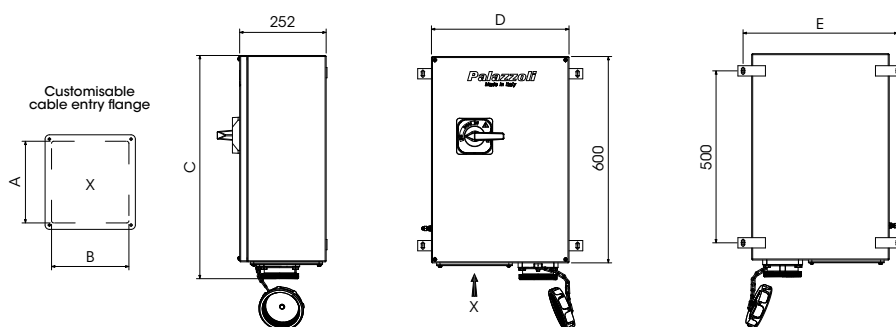
Mobile plugs

Fixed socket-outlets



## ALUMAX

Wall sockets with electrical interlock



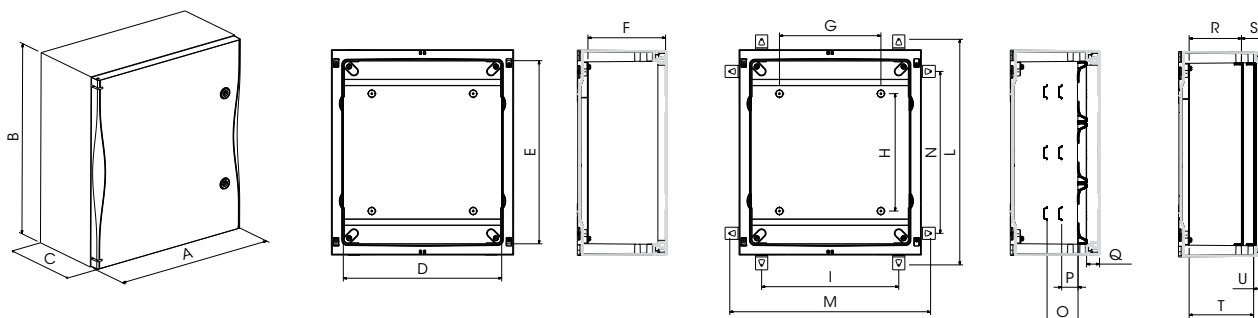
Rated current (A)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
250	180	190	650	400	450
320/400	180	270	660	500	550



# BOARDS AND BOXES

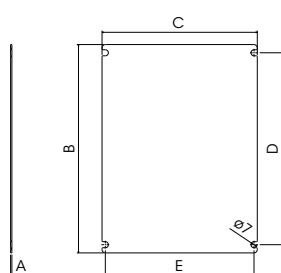
## TAIS CUBE

Distribution boards in thermosetting GRP



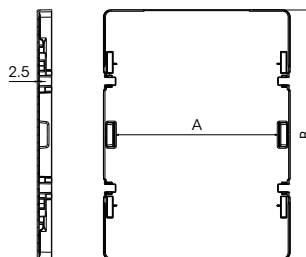
Size	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)	M (mm)	N (mm)	O (mm)	P (mm)	Q (mm)	R (mm)	S (mm)	T (mm)	U (mm)
1	258	304	160	200	250	131	60	87	148	355	305	198	-	-	-	-	-	-	-
2	340	430	180	282	376	151	142	214	230	481	386	324	78	50	34	93	58	120	31
3	449	506	220	390	451	191	250	290	338	556	495	399	78	50	34	133	58	160	31
4	449	656	220	390	601	191	250	439	338	706	495	549	78	50	34	133	58	160	31
5	558	656	260	498	601	230	358	439	446	706	603	549	78	50	34	173	57	200	30
6	631	807	300	570	751	269	430	590	518	856	675	699	78	50	34	212	57	239	30
7	848	1058	350	786	1001	319	646	842	734	1106	891	949	78	50	34	257	62	287	32

### Plates



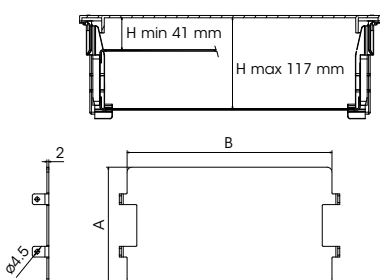
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
550601 - 550611	1.5	241	179.5	222	172
550602 - 550612	1.5	367	261.5	348	254
550603 - 550613	2	442	369.5	423	362
550604 - 550614	2	592	369.5	573	362
550605 - 550615	2	592	477.5	573	470
550606 - 550616	2	742	549.5	723	542
550607 - 550617	2	992	765.5	973	758
550621	3	244	194	222	172
550622	3	370	276	348	254
550623	3	445	384	423	362
550624	3.7	595	384	573	362
550625	3.7	595	492	573	470
550626	3.7	745	564	723	542

### Inner doors



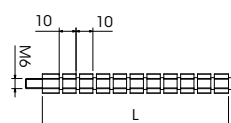
Palazzoli code	A (mm)	B (mm)
550502	240	374
550503	348	447
550504	348	596
550505	457	596
550506	529	746
550507	745	998

### Partial plates



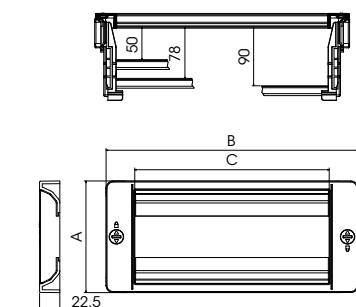
Palazzoli code	A (mm)	B (mm)
550632	120	211
550633	145	319
550635	145	427
550636	145	499
550637	195	715

### Spacer



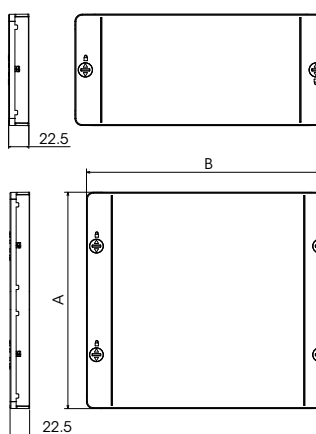
Palazzoli code	L (mm)	No. of positions
550662	70	7
550663	110	11
550665	150	15
550666	190	19
550667	240	24

### Windowed panels



Palazzoli code	A (mm)	B (mm)	C (mm)
550522	124	280	216
550523	149	388	324
550525	149	496	432
550526	149	568	504
550507	199	784	720

### Blind panels



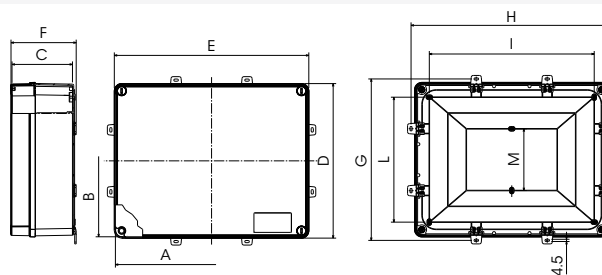
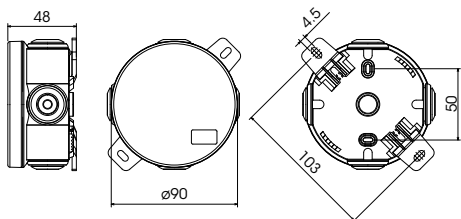
Palazzoli code	A (mm)	B (mm)
550542	124	280
550543	149	388
550545	149	496
550546	149	568
550547	199	784
550552	249	280
550553	299	387
550555	299	495
550556	299	567
550557	399	783





# BOARDS AND BOXES

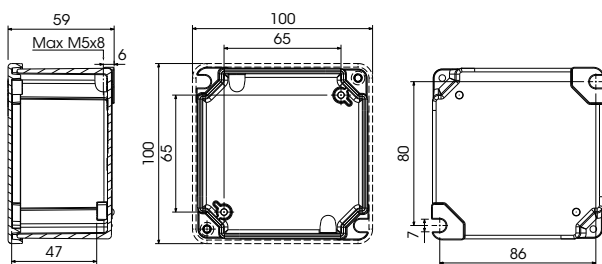
## TERBOX



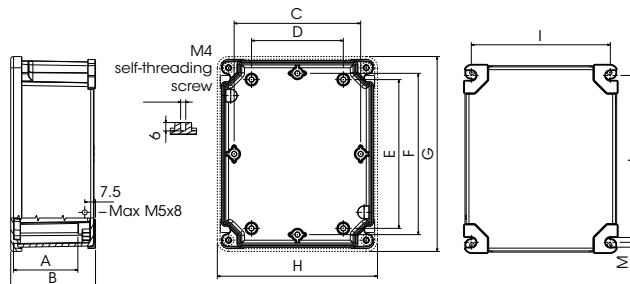
Box type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)	M (mm)
791234	98	98	49	108	108	59	123	123	60	60	-
791236	148	108	70	118	158	80	133	173	110	70	-
791207	188	138	70	148	198	80	163	213	150	100	-
791208	237	187	90	199	249	99.5	213	263	193	136	-
791209	297	217	121	230	309	130	243	323	250	170	-
791210	379	297	121	309	389	130.5	323	403	330	250	123

## UNIBOX E UNIBOX-EXU

### UNI B9 box

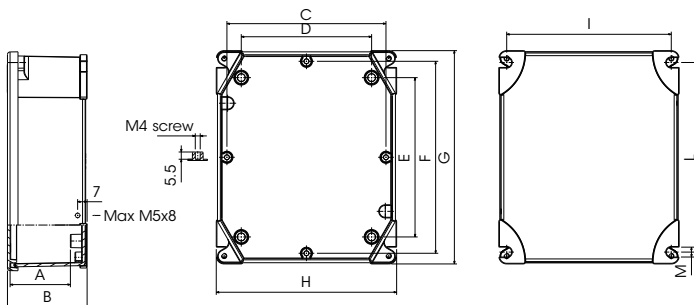


### Boxes from UNI B11 to UNI B19



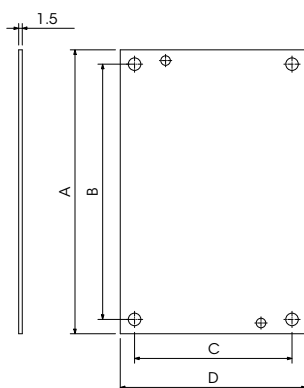
Box type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)	M (mm)
UNI B11	46	61	91	66	107	116	140	115	100	120	7
UNI B12	50	65	115	99	121	140	166	141	125	144	7.5
UNI B14	65	80	142	113	153	172	192	168	149	168	7.5
UNI B19	76	93	190	153	188	226	253	217	196	226	10

### UNI B20 and UNI B21 boxes



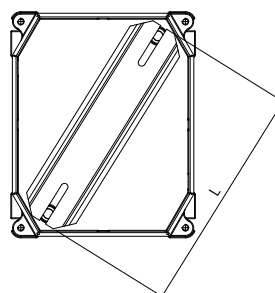
Box type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)	M (mm)
UNI B20	105.5	122	236	198	238	286	314	264	236	275	10
UNI B21	132.5	150	286	248	333	381	410	315	283	367	10

### Plates



For box type	A (mm)	B (mm)	C (mm)	D (mm)
UNI B11	119	107	66	78
UNI B12	132	121	99	108
UNI B14	165	153	113	125
UNI B19	200	188	153	165
UNI B20	250	238	198	210
UNI B21	345	333	248	257

### DIN rails



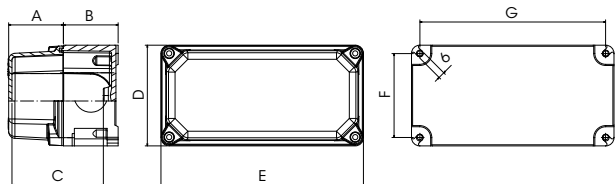
For box type	L (mm)
UNI B9	100
UNI B11	138
UNI B12	164
UNI B14	202
UNI B19	264
UNI B20	320
UNI B21	422



# BOARDS AND BOXES

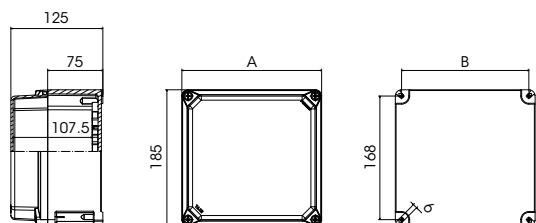
## TAISBOX

Enclosures in thermosetting GRP



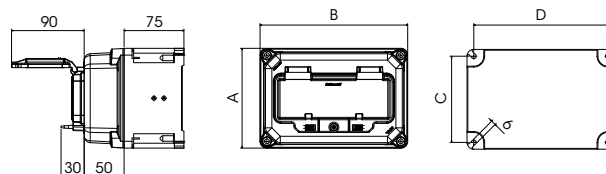
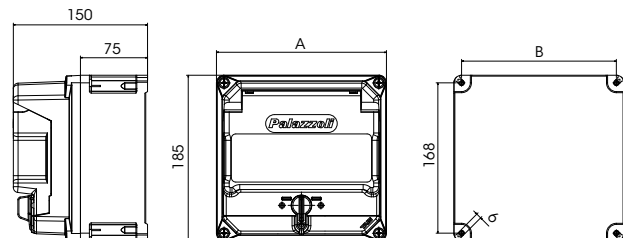
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
532035	18	50	51	92	92	78	78
532045	18	50	51	92	125	78	111
532055	18	50	51	92	185	78	171
532116	18	75	75	125	125	111	111
532117	18	75	75	125	185	111	171
532118	18	75	75	125	250	111	238
532005	50	50	83	92	92	78	78
532006	50	50	83	92	125	78	111
532015	50	50	83	92	185	78	171
532016	50	75	100	125	125	111	111
532017	50	75	100	125	185	111	171
532018	50	75	100	125	250	111	238

Enclosures with blind cover



Palazzoli code	A (mm)	B (mm)
532200	125	108
532201	190	173
532202	250	233
532203	290	273
532204	380	363

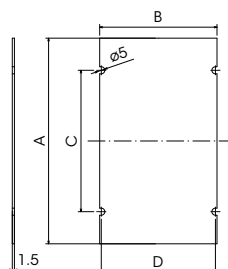
Enclosures with transparent door



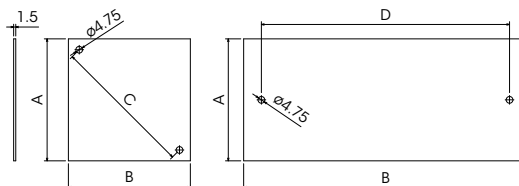
Palazzoli code	A (mm)	B (mm)
532300	125	108
532301	190	173
532302	250	233
532303	290	273
532304	380	363

Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)
532516	125	125	109	109
532557	125	185	109	169
532658	125	250	109	234

Steel back plates



Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)
532700	145	82.7	99.7	80.5
532701	140	160	99.7	145.5
532702	145	208	99.7	205.5
532703	145	260	99.7	245.5
532704	145	350	99.7	335.5



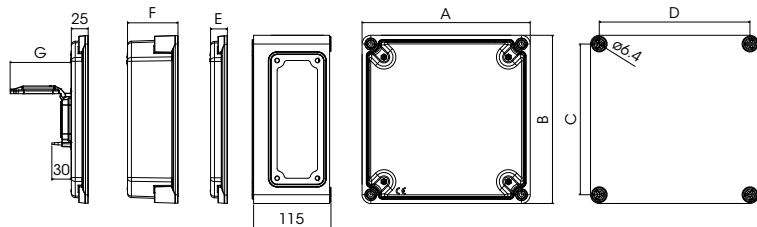
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)
532705	59	59	70	-
532714	59	92	96.5	-
532715	62	142	-	100
532716	86	86	100	-
532717	86	135	-	100
532718	86	200	-	175



# BOARDS AND BOXES

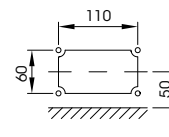
## TAISBOX

Boxes in thermosetting GRP

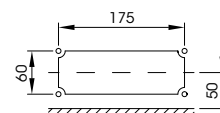


Dimensions (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
185x185	185	185	159	159	25	-	90
250x185	250	185	224	159	25	75	90
250x250	250	250	224	224	25	75	-
370x250	370	250	224	344	25	75	-
500x370	500	370	344	474	25	75	-

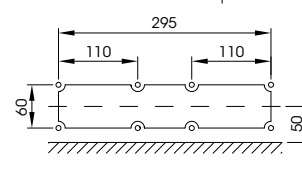
Window "a"



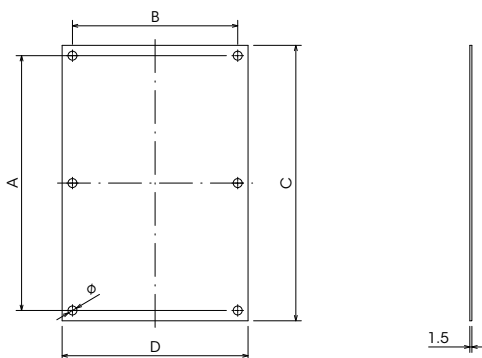
Window "b"



Window "c"



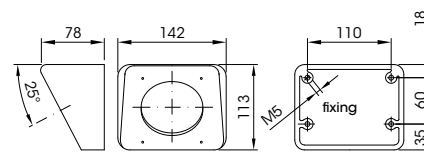
## Steel back plates



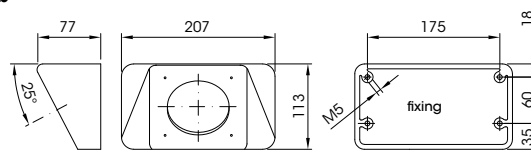
Dimensions (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Ø (mm)
185x185	120	120	135	135	6.5
250x185	185	120	200	135	6.5
250x250	185	185	200	200	6.5
370x250	305	185	321	200	6.5
*500x370	435	305	450	320	8

## Mounting brackets for XCEE 63A - 125A socket-outlets

Window "a"



Window "b"

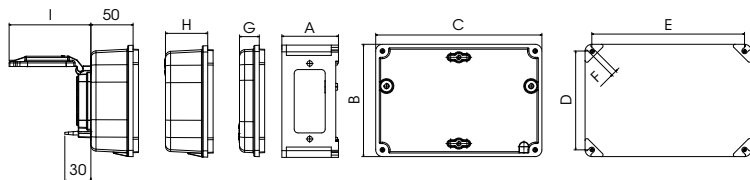




# BOARDS AND BOXES

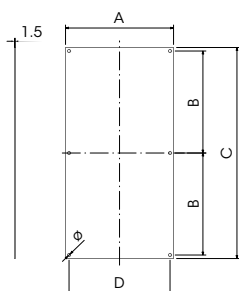
## ALUCASE

Boxes in aluminium alloy



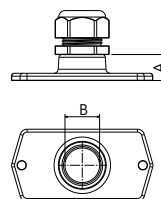
Dimensions (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)
92x92	42	92	92	78	78	6	23	35	-
125x92	42	92	125	78	111	6	-	50	-
185x92	42	92	185	78	171	6	-	50	-
125x125	63	125	125	111	111	6	10	50	90
185x125	63	125	185	111	171	6	25	50	90
252x125	63	125	252	111	238	6	-	50	90
155x155	63	155	155	141	141	6	10	-	-
185x185	95	185	185	171	171	6	10	50	90
252x185	95	185	252	169	236	6	-	50	90
220x220	95	220	220	192	205	6	13	-	-
252x252	140	252	252	224	237	6	25	57	-
315x252	140	252	315	224	300	6	-	53	-
507x252	140	252	507	224	492	9	53	-	-
295x295	105	295	295	266	280	9	18	-	-
315x315	140	315	315	286	300	9	53	-	-
373x373	140	373	373	330	353	12	25	80	-
507x373	140	373	507	330	487	12	53	165	-
630x373	140	373	630	330	610	12	53	127	-
630x507	140	507	630	464	610	12	53	-	-

Steel back plates



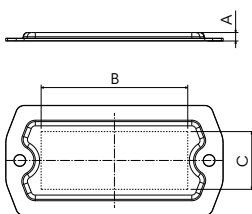
Dimensions (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Ø (mm)
92x185	77	65	142	65	5
125x125	100	39	90	88	5.5
125x185	100	61.5	135	88	5.5
125x252	100	94	200	88	5.5
155x155	118	55	122	40	5.5
185x185	135	74	160	123	5.5
185x252	160	94	200	148	5.5
220x220	152	88	190	62	5.5
252x252	210	85.5	185	196	6.5
252x315	210	110.5	235	196	6.5
252x507	215	203	420	201	6.5
295x295	220	111	240	76	6.5
315x315	270	108	230	256	6.5
373x373	320	134.5	285	304	8
373x507	320	202	419	304	8
373x630	320	262	539	304	8
507x630	430	262	539	414	8

Flanges with metric thread



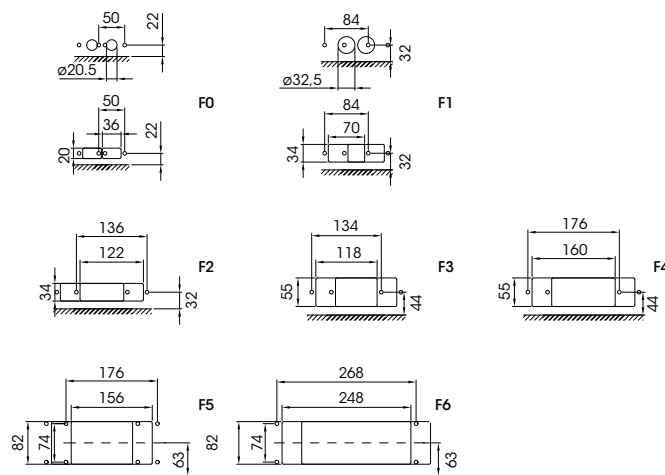
Palazzoli code	A (mm)	B (mm)
541050	22	M25
541055	18	M25
540180	51	M32
540190	69.5	M40
540191	69.5	M50
540193	51	M40
540195	80	M50

Flat flanges

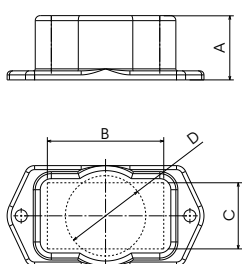


Palazzoli code	A (mm)	B (mm)	C (mm)
540090	2.5	30	14
540091	5.5	59	25
540032	5.5	95	25
540033	6	106	49
540034	6	148	49
540035	7	142	80
540036	8	238	84

Windows and holes



Raised flanges

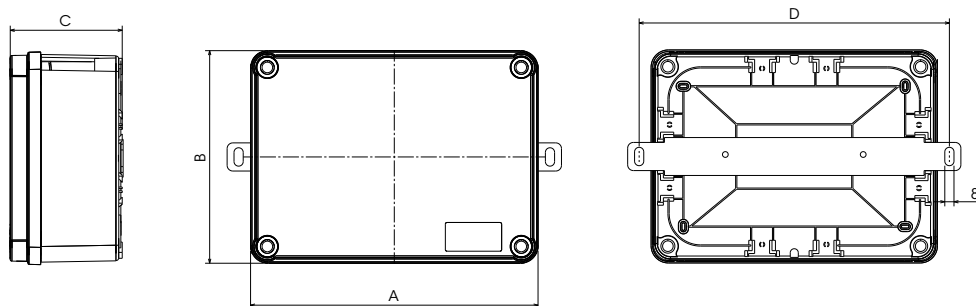


Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)
540061	32	60	30	35
540062	32	112	30	35
540063	50	100	50	60
540064	50	140	50	60
540065	80	140	90	90
540066	80	230	85	85

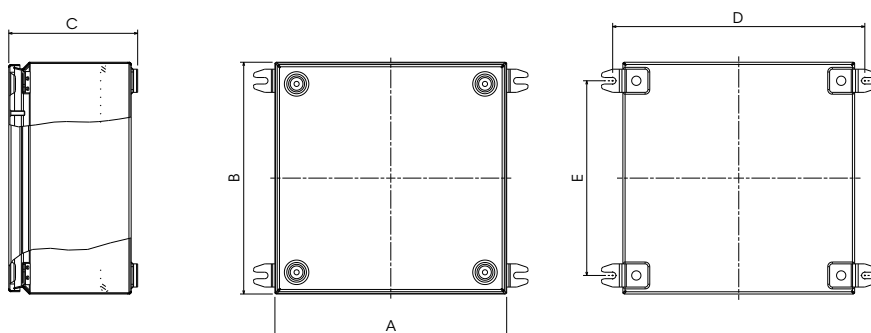


# BOARDS AND BOXES

## FIREBOX

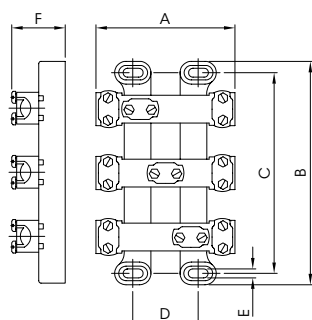


Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)
151700	160	120	80	170
151702	200	150	80	220
151703	250	185	100	270

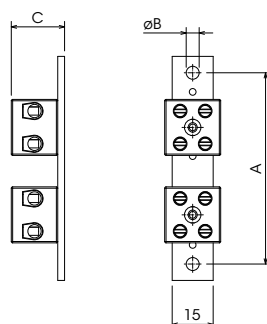


Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
151301	150	150	100	172	110
151304	250	250	140	272	210

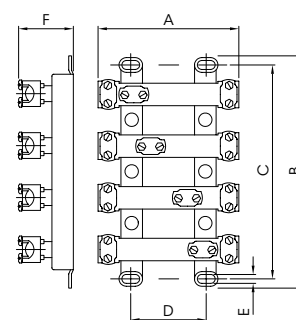
## CONTACT



Palazzoli code	A (mm)	øB (mm)	C (mm)
532725	70	4.75	19.5
532745	98	4.75 x 7 (slotted hole)	19.5
532747	100	4.75	25.2



Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
159030	59	78	69	-	5	27
159032	78	101	88	32	5.5	29
159033	86	128	110	40	6.5	38
159034	100	150	134	55	7.5	46
159035	128	196	176	62	7.5	56
159036	178	240	222	76	7	80
159037	232	294	274	88	7	88



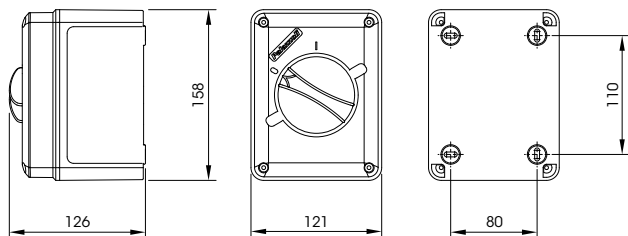
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
159040	70	101	88	32	5.5	27
159042	92	128	110	40	6.5	32
159043	102	150	134	55	7.5	43
159044	119	196	176	62	7.5	50
159045	154	240	222	76	7	64
159046	222	294	274	88	7	80



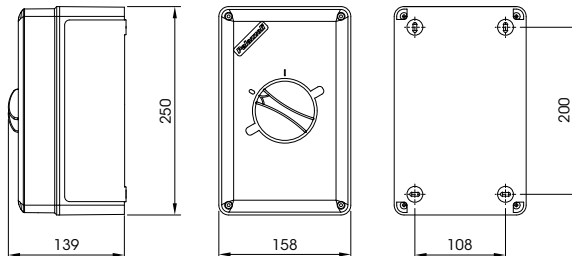
# CONTROL AND PROTECTION

## CAM-SZ in thermoplastic material for wall-mounting

16A to 32A



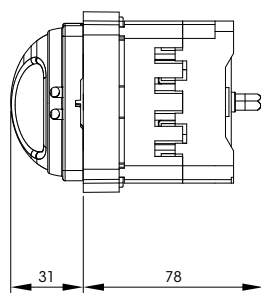
40A to 100A



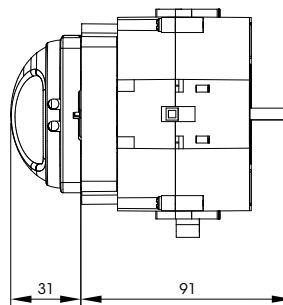
## CAM-SZ

Isolator switches for back panel mounting

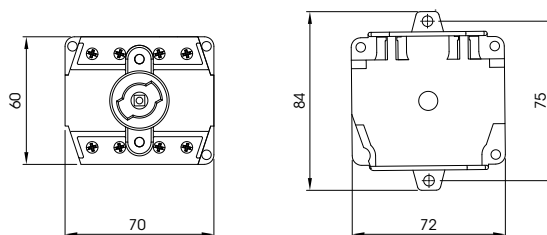
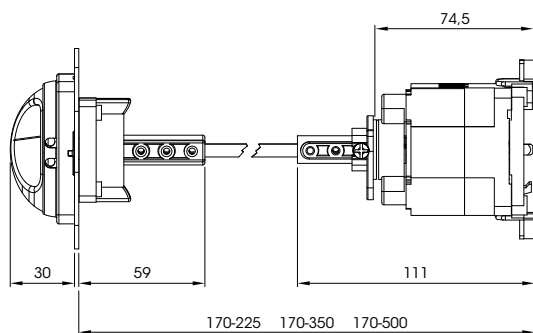
16A/32A



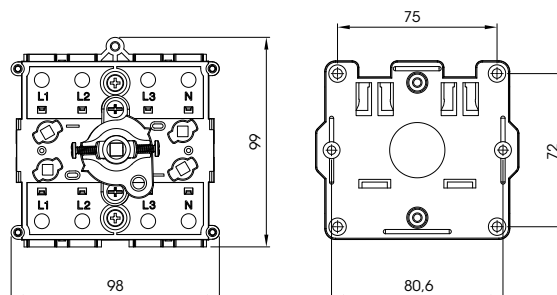
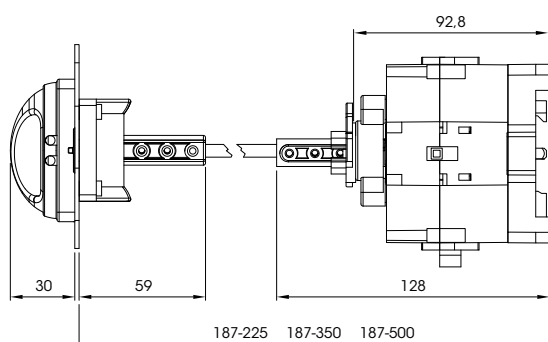
40A/100A



16A/32A isolator switches with door lock for base-mounting



40A/100A isolator switches with door lock for base-mounting



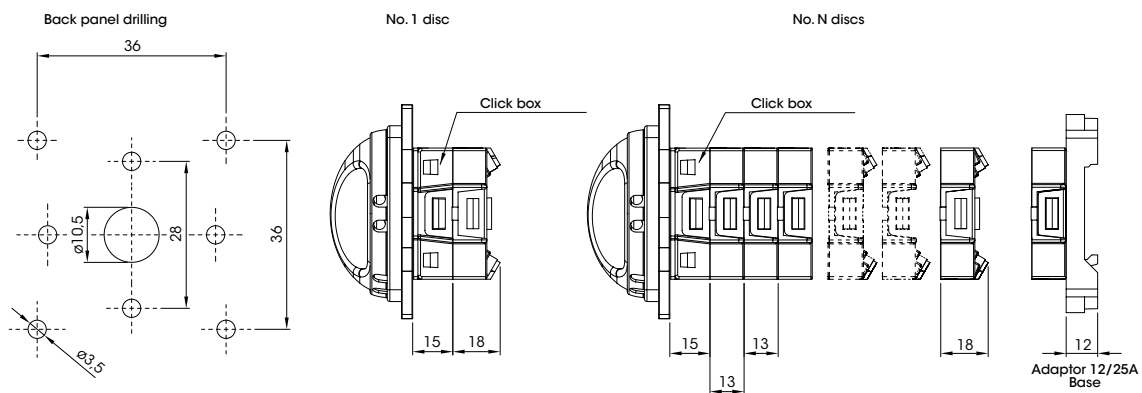




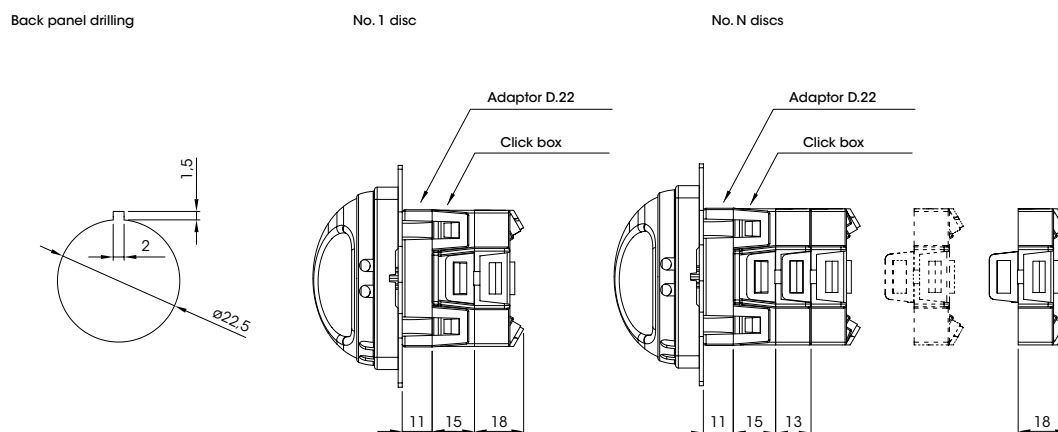
# CONTROL AND PROTECTION

## CAM-ST

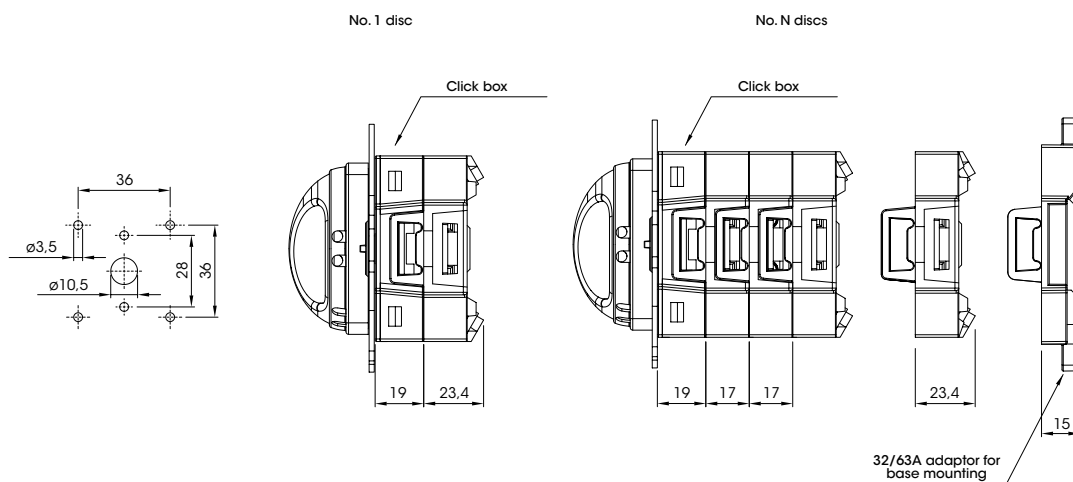
### 12/25A rotary devices for back panel mounting



### 12/25A rotary devices for back panel mounting - 22 mm hole



### 32/63A rotary devices for back panel mounting and base mounting

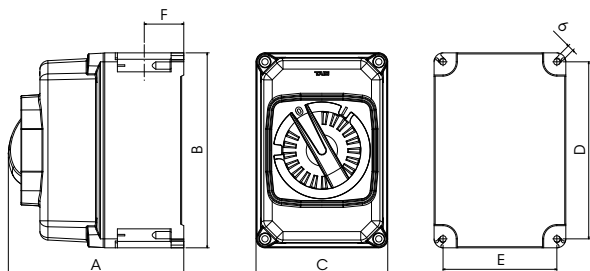




# CONTROL AND PROTECTION

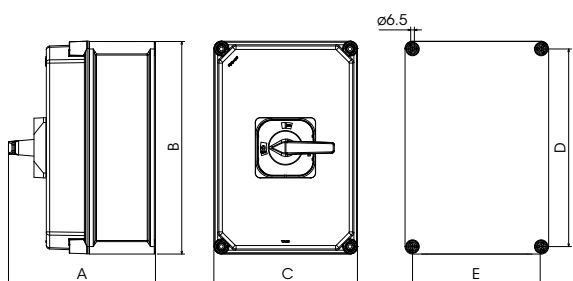
## CAM-TAIS in thermosetting GRP for wall-mounting

16A - 63A



Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
292101 - 292102 - 292103 292202 - 292203 - 292232 - 292233	130	125	92	110	78	25
292302 - 292303 - 292412 - 292413	167	185	125	169	109	37.5

100A - 630A

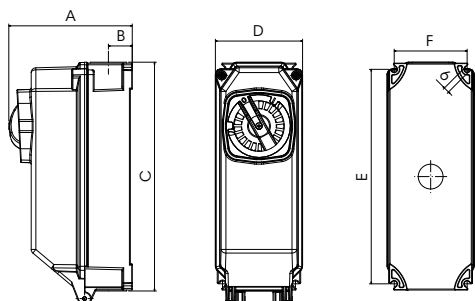


Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
292512 - 292503 - 292542 - 292543	206	250	185	224	169
292552 - 292553 - 292621 292623 - 292632 - 292633	256	370	250	344	224
292703 - 292733	256	500	370	474	344

## CAM-TAIS in thermosetting GRP for wall-mounting

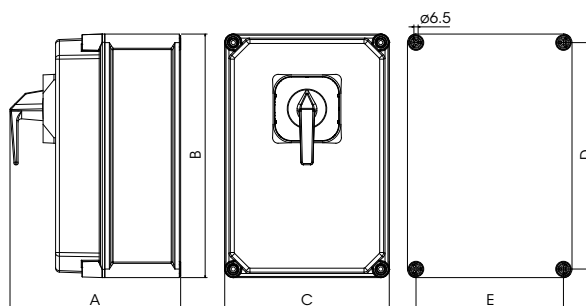
Isolator switches with fuse holder base

16A - 63A



Rated current (A)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
16-25-32	130	25	240	92	226	78
40-63	176	37.5	335	125	319	109

100A-250A



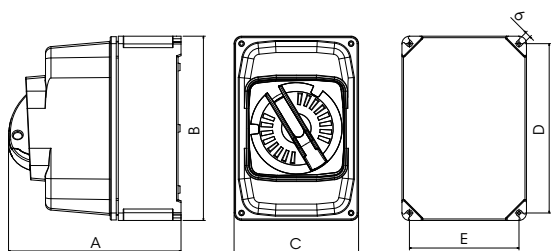
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
293053 - 293123	206	370	250	344	224
293163	256	370	250	344	224
293063 - 293263	256	500	370	474	344



# CONTROL AND PROTECTION

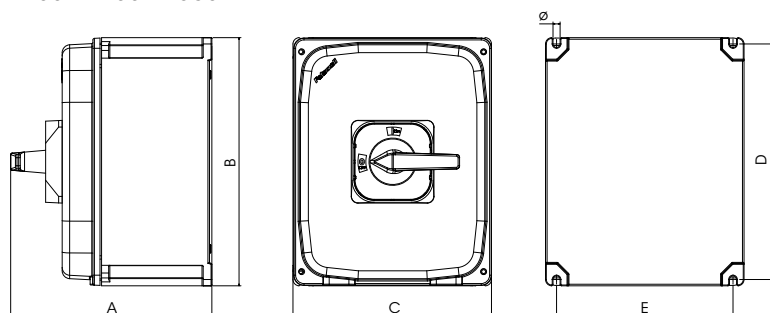
## CAM-ALUPRES in aluminium alloy for wall-mounting

### 16A - 63A



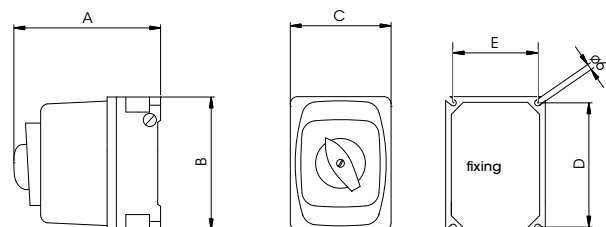
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
272141 - 272142 - 272143 272242 - 272243 - 272232 - 272233	138	125	92	110	77
272144 - 272244	123	125	92	110	77
272302 - 272303 - 282402 282403 - 282404	173	185	125	170	110
272304	160	185	125	170	110

### 100A - 200A - 630A



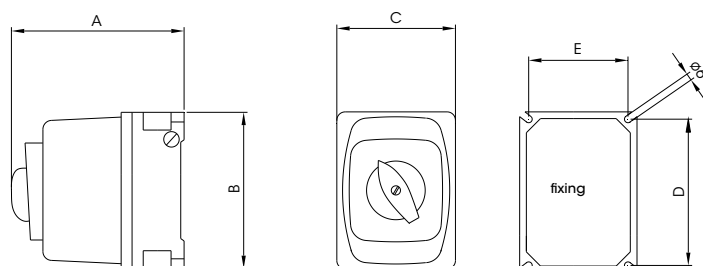
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	φ (mm)
272502 - 272503	215	252	185	237	170	7
272542 - 272543 272552 - 272553	256	315	252	300	224	9
282602 - 282603 272632 - 272633	256	507	252	491	224	9
282703	256	507	373	485	330	12
282803	256	630	373	608	330	12

### Two-way switch, reversing switches



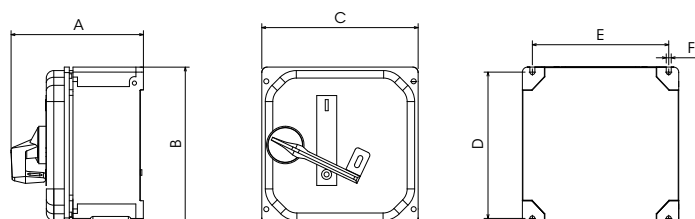
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
272148 - 272178	87	92	92	77	77
272152 - 272252 272155 - 272255	135	125	92	110	77
272312 - 282412	150	185	125	170	110

### 16A-63A selector switches



Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
272146 - 272246	120	125	92	110	77
272147 - 272247	135	125	92	110	77
272306	150	185	125	170	110
272307 - 272406	170	185	125	170	110

### 63A-200A selector switches



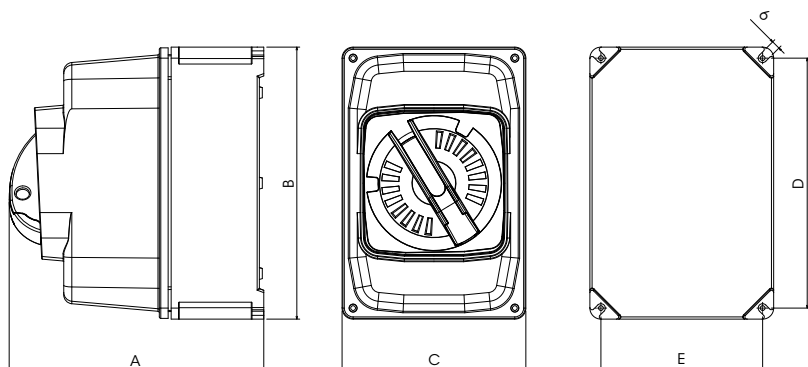
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
282407 - 282413	195	252	185	237	170	7
272507	270	315	315	299	286	9
282607	270	373	373	351	330	12



# CONTROL AND PROTECTION

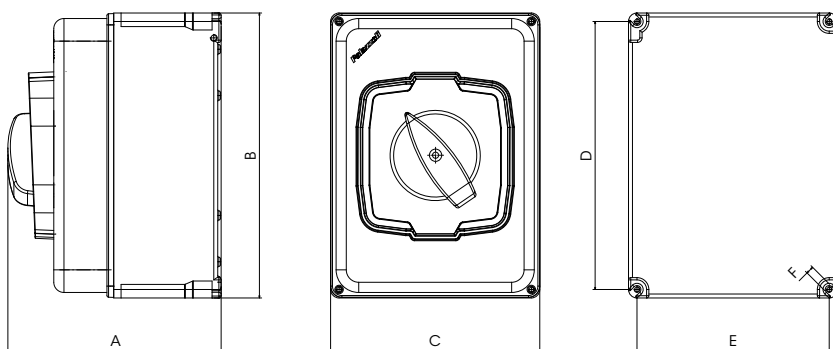
## CAM-FIRE

16A - 25A - 40A



Rated current (A)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
16	138	125	92	110	77
25-40	173	185	125	170	110

63A - 125A - 160A - 200A



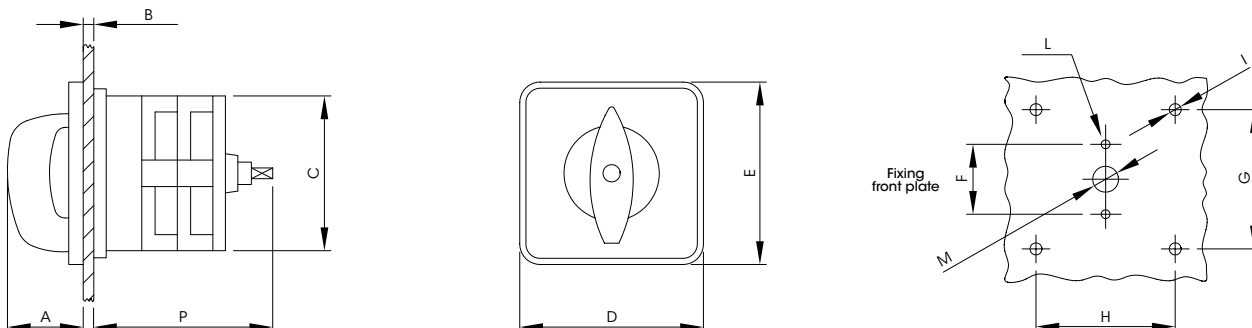
Rated current (A)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
63	230	252	185	237	170	7
125 - 200	240	315	220	300	224	9



# CONTROL AND PROTECTION

## CAM

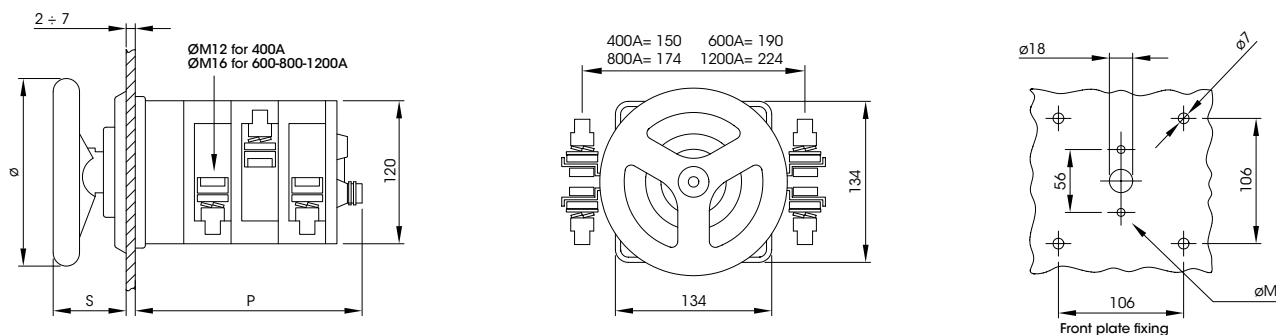
### 16A/200A rotary switches with handle



Rated current (A)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)	M (mm)
16-25	30	1,5-4	52	64	64	25	46	46	5	M3	10
40-63	37	1,5-7	87	94	94	32	70	70	6	M3	13
100-200	59	2-7	120	134	134	56	106	106	7	M4	18

P\* the dimension refers to the depth indicated in the corresponding catalogue tables.

### 400A/1200A rotary devices with handle



Rated current (A)	Ø (mm)	S (mm)
400-600-800	156	61
1200	200	67

P\* the dimension refers to the depth indicated in the corresponding catalogue tables.

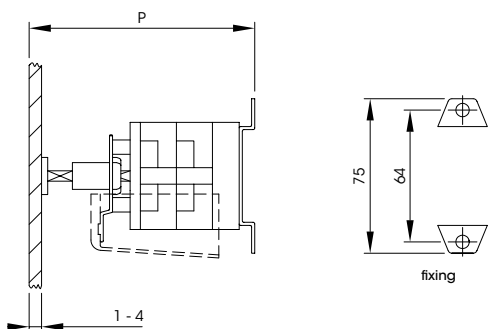


# CONTROL AND PROTECTION

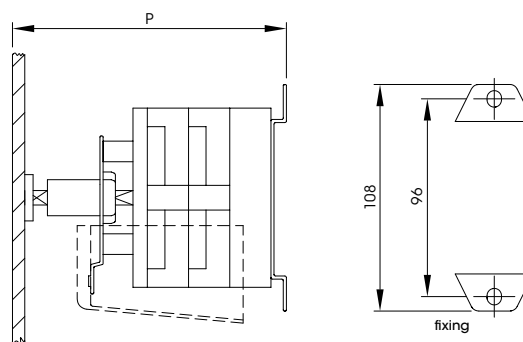
## CAM

Rotary devices for base mounting

16A - 25A



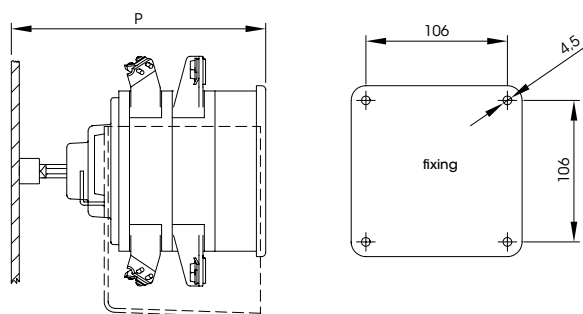
40A - 63A



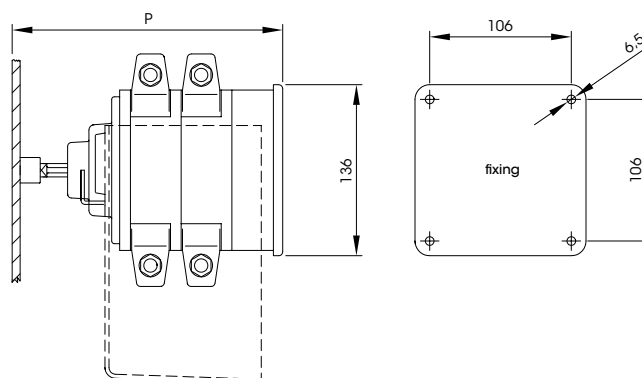
P\* the dimension refers to the depth indicated in the corresponding catalogue tables.

Rotary devices for base mounting

100A



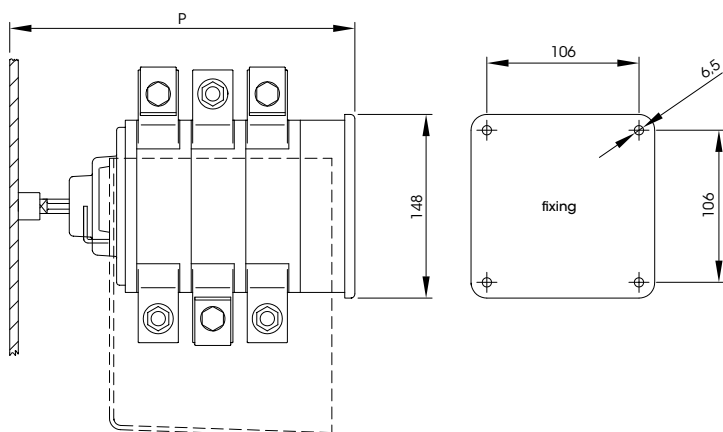
200A



P\* the dimension refers to the depth indicated in the corresponding catalogue tables.

Rotary devices for base mounting

400A



P\* the dimension refers to the depth indicated in the corresponding catalogue tables.

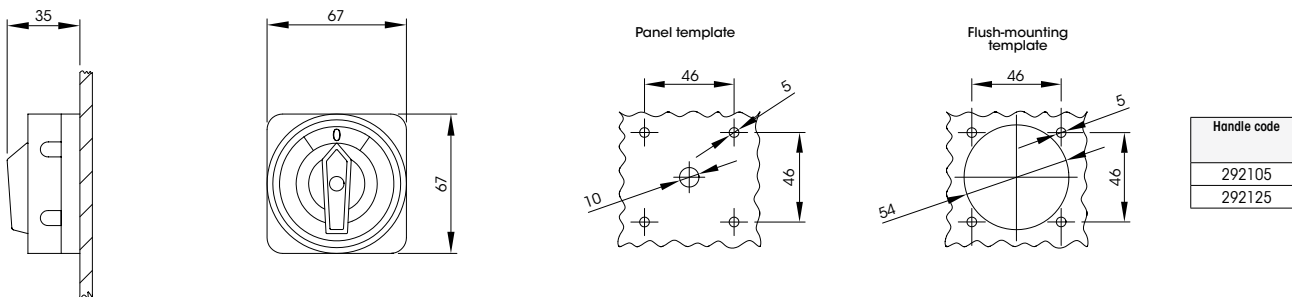




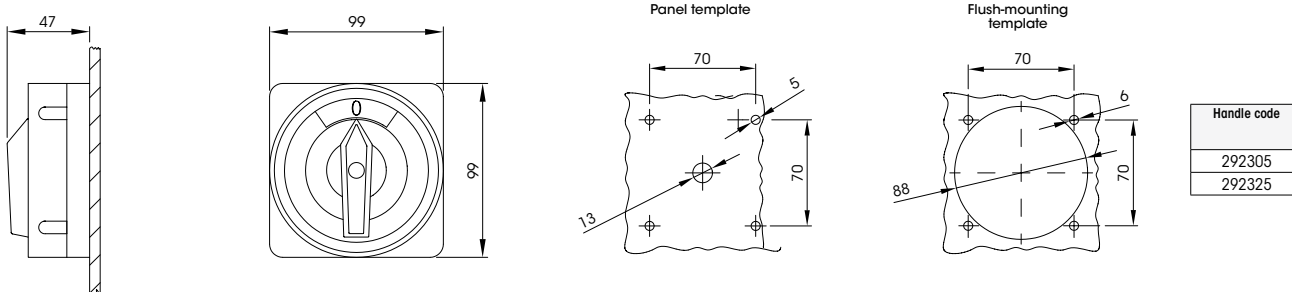
# CONTROL AND PROTECTION

## CAM

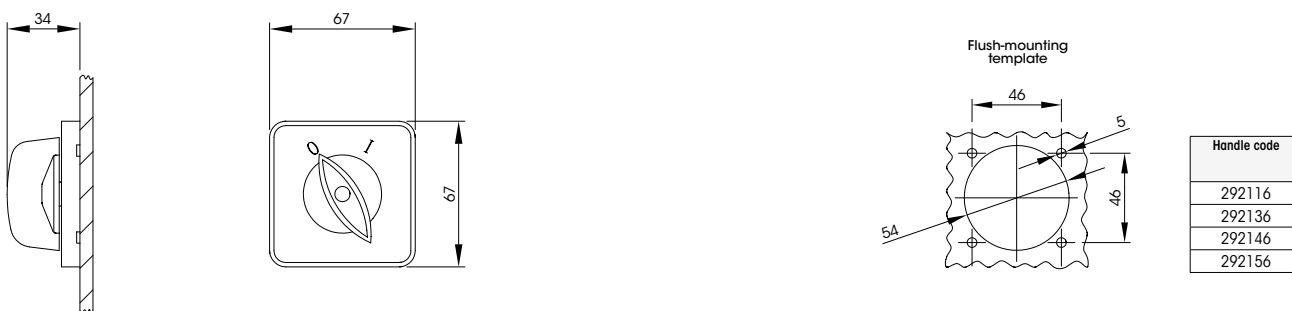
### Handles for panel- and flush-mounting - 16A/25A



### Handles for panel- and flush-mounting - 40A/63A



### Handles for flush-mounting - 16A/25A



### Handles for flush-mounting - 40A/63A

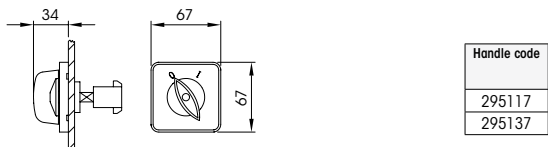




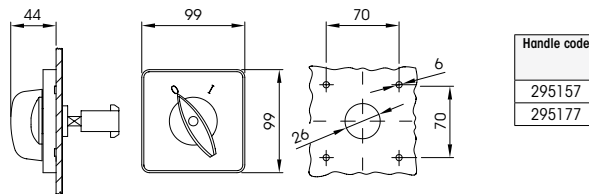
# CONTROL AND PROTECTION

## CAM

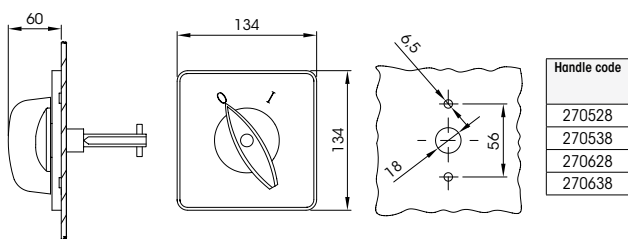
Handles with doorlock and front plate  
16A/25A



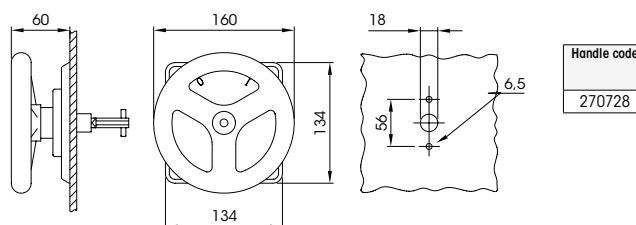
40A/63A



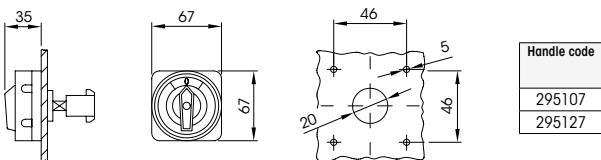
100A/200A



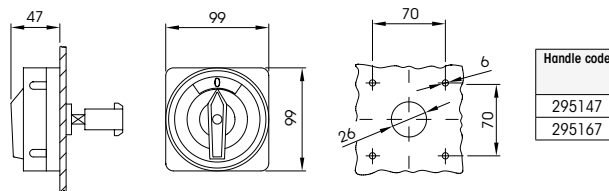
400A



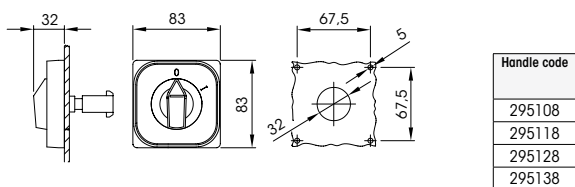
16A/25A



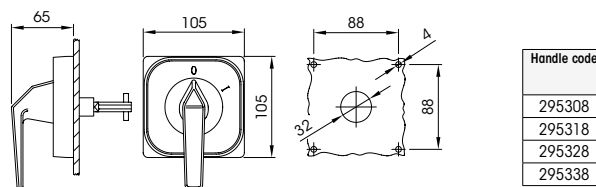
40A/63A



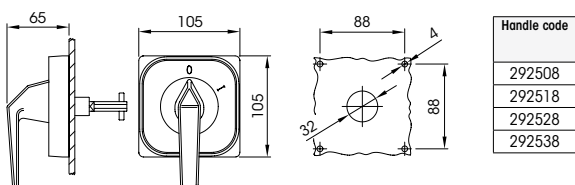
16A/25A



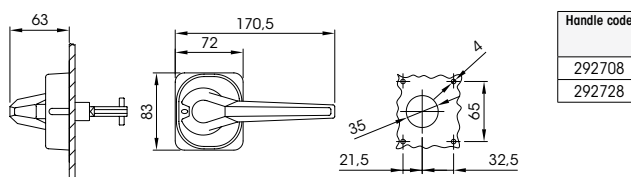
40A/63A



100A/200A



400A

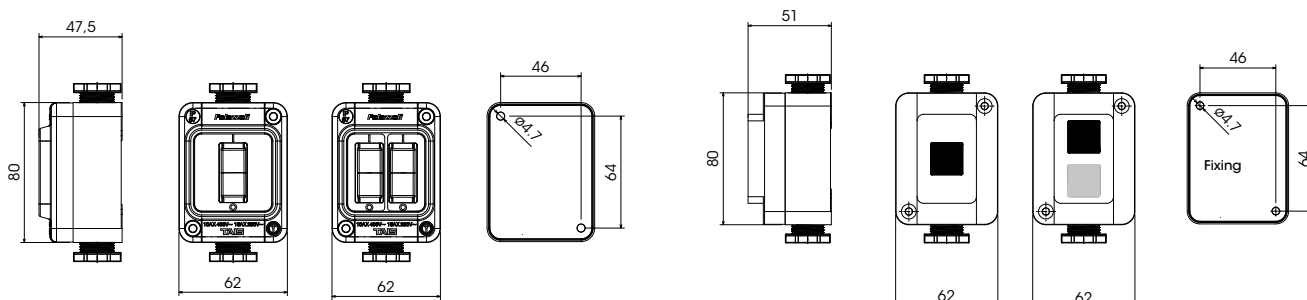




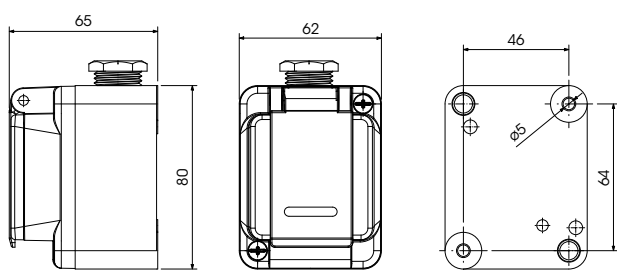
# CONTROL AND PROTECTION

## TAIS MIGNON

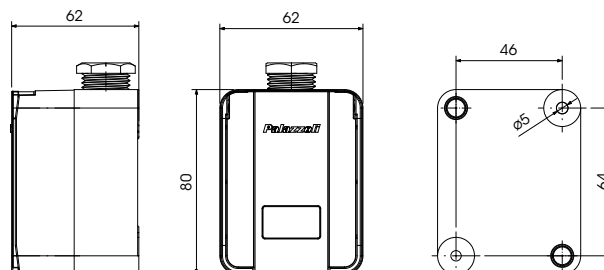
### Switches and push-buttons



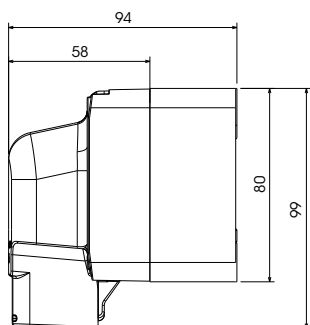
### Schuko domestic socket



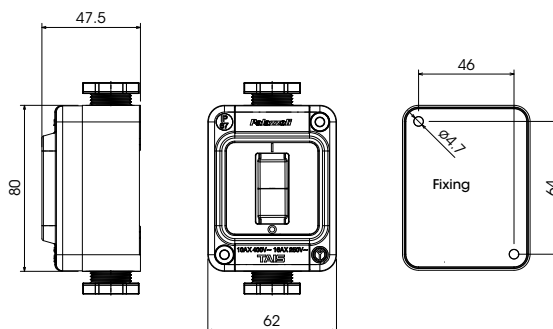
### Box for domoTER devices



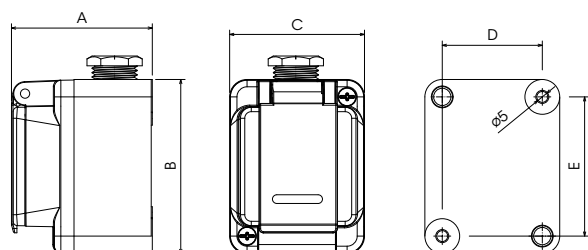
### Box with watertight cap



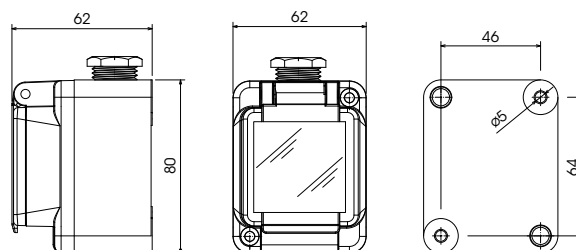
### TAISMIGNON-EX switches and two-way switches



### Industrial socket-outlets



### Boxes for Ticino Magic devices



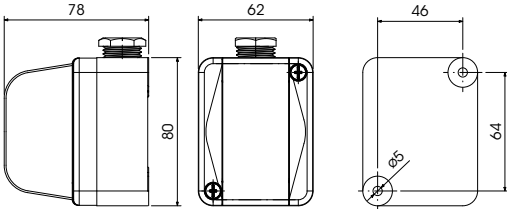
Rated current (A)	No. of poles	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
16	2P+≋	75	80	62	46	64
	3P+≋	75	80	62	46	64
	3P+N+≋	82	102	77	61	86
	2P/3P	75	80	62	46	64



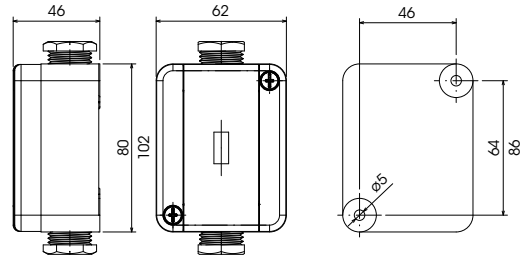
# CONTROL AND PROTECTION

## TAIS MIGNON

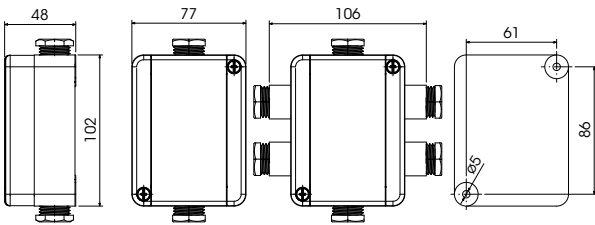
### Signalling lamps



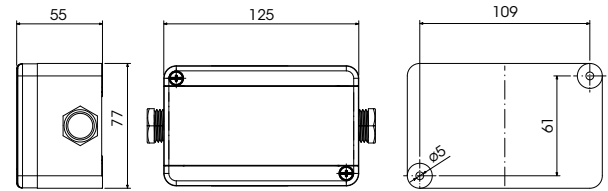
### Fuse holder



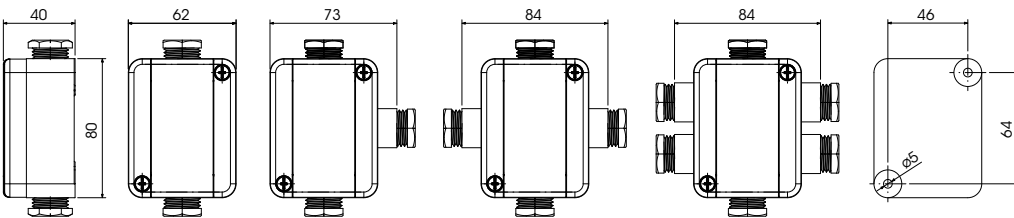
### Junction boxes



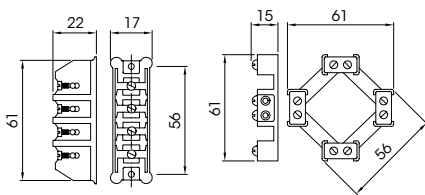
### Modular box



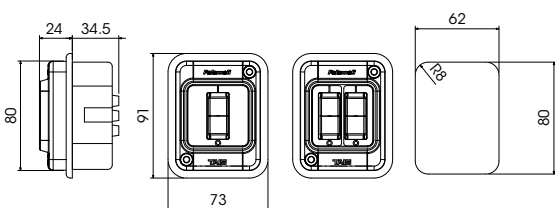
### Junction boxes with terminals



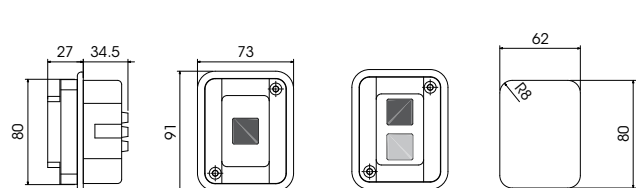
### Terminal blocks



### Flush-mounted switches



### Flush-mounted push-buttons

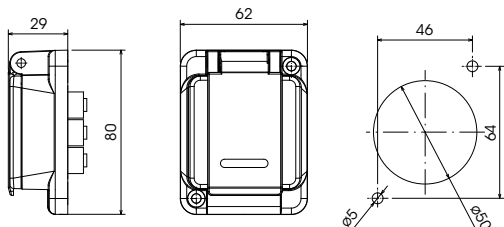




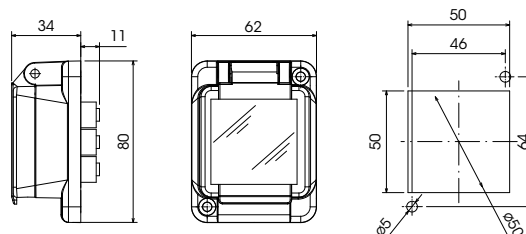
# CONTROL AND PROTECTION

## TAIS MIGNON

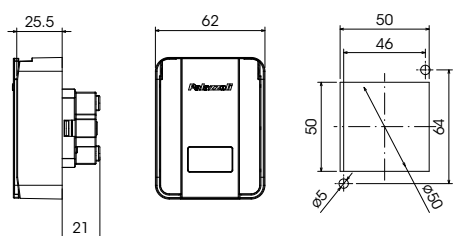
Flush-mounted shuko domestic sockets



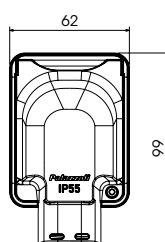
Flush-mounted boxes for Ticino Magic devices



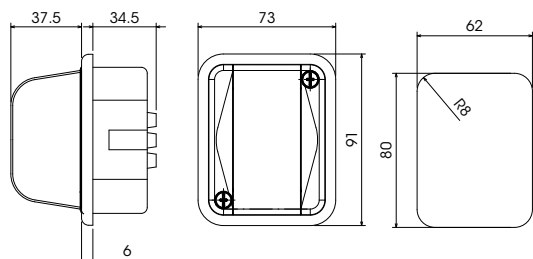
Flush-mounted boxes for Domoter devices



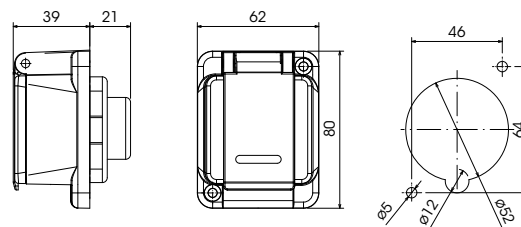
Flush-mounted box with watertight cap



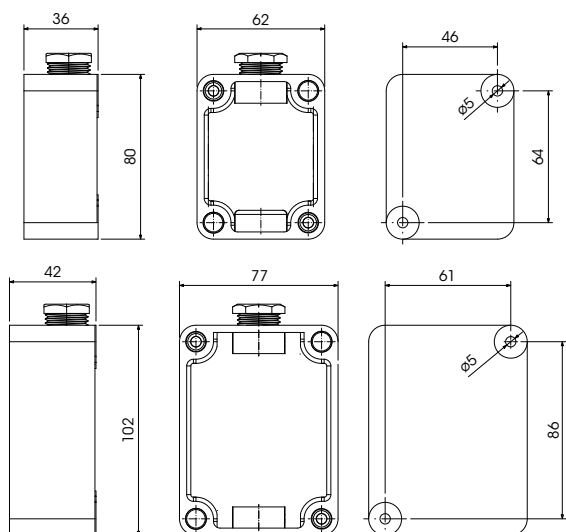
Flush-mounted signalling lamps



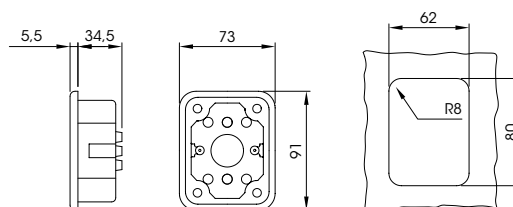
Flush-mounted industrial socket-outlets



Wall-mounted box



Flush-mounted box

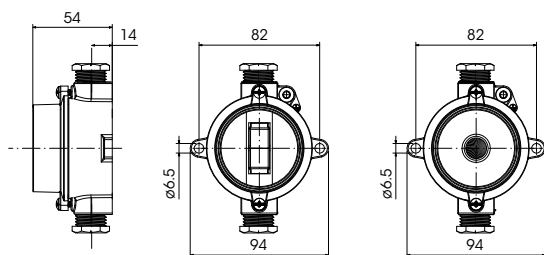




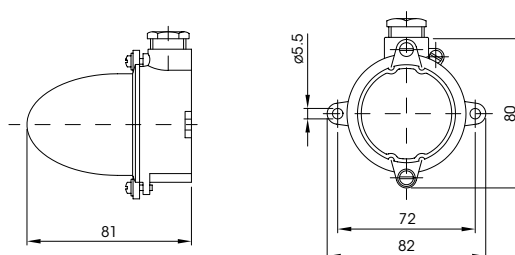
# CONTROL AND PROTECTION

## RONDÒ

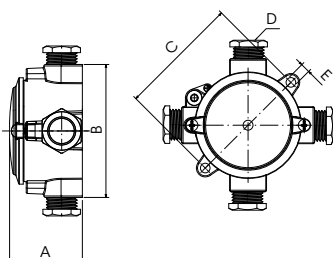
### Switches and push-buttons



### Signalling lamps

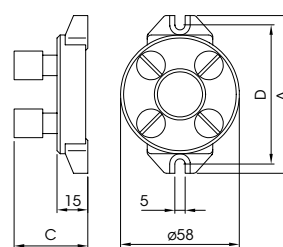


### Boxes



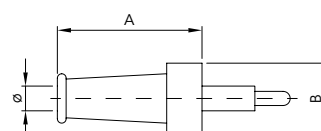
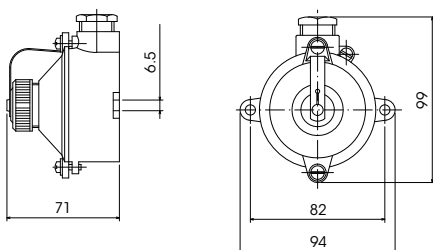
inner Ø (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
62	45	140	82	M20x1.5	6.5
82	57	180	106	M25x1.5	7

### Terminal blocks



Palazzoli code	A (mm)	B (mm)	Ø (mm)
112094	57	31	49
113094	77	35	68
113194	77	42	68

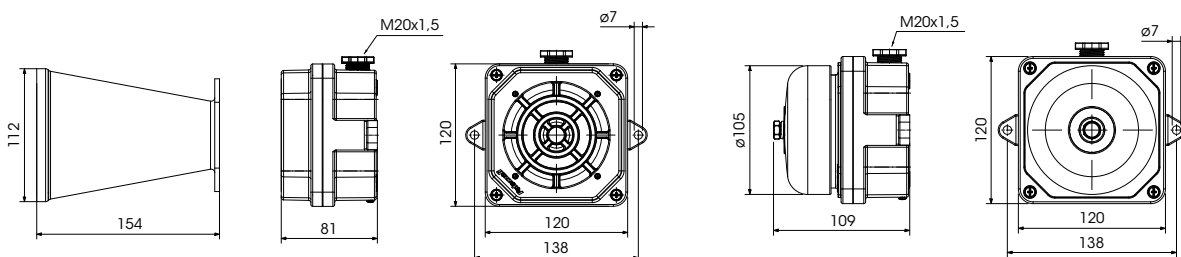
### Concentric plugs and sockets



Palazzoli code	A (mm)	B (mm)	Ø (mm)
407030	75	33	10
407031	84	39	14

## ALARM

### Sirens and bells

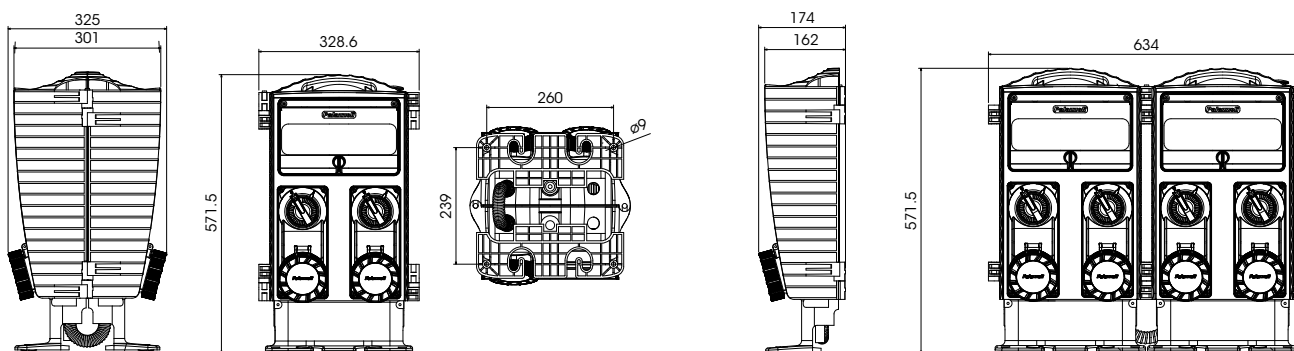






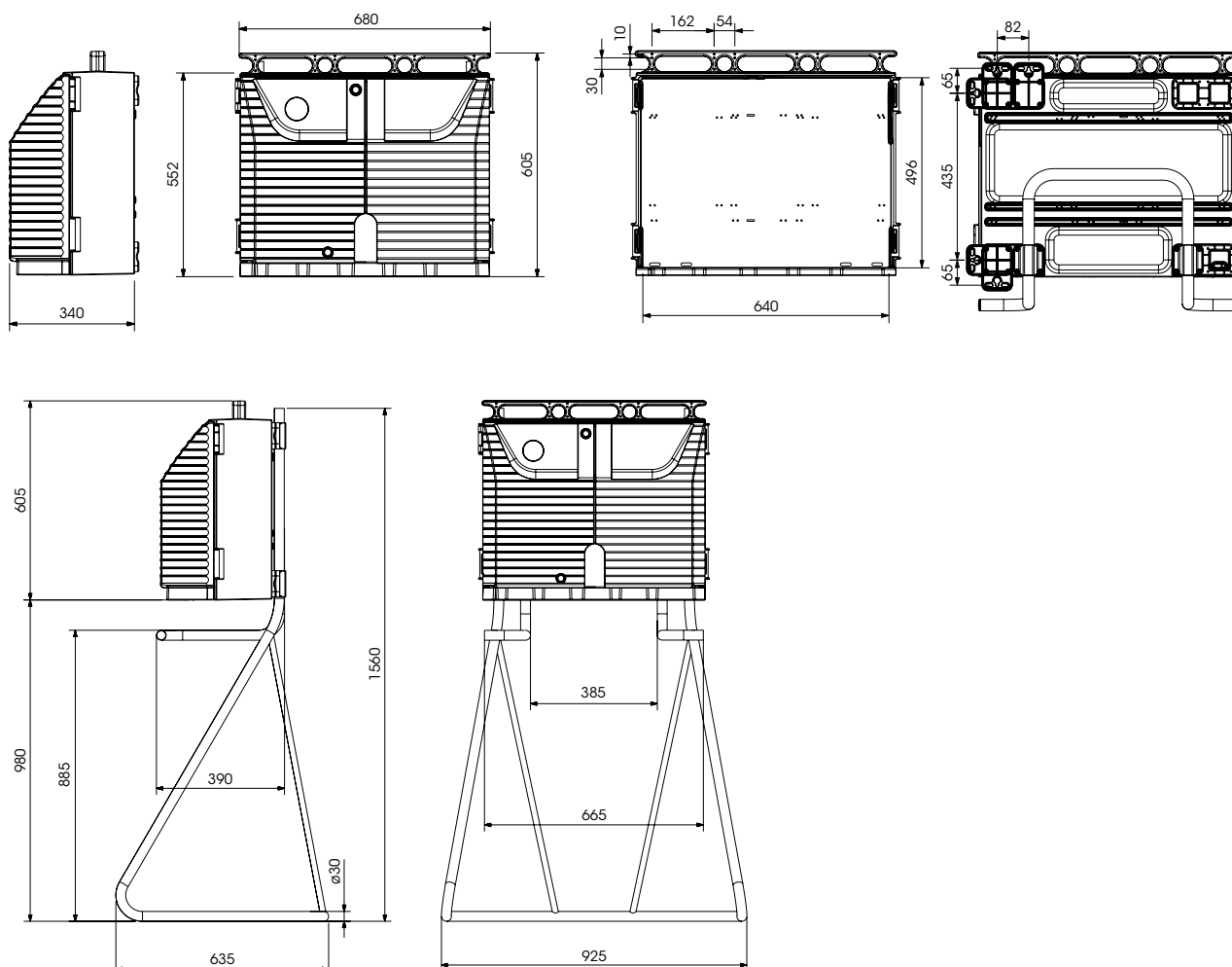
# PRE-WIRED DISTRIBUTION BOARDS

## JANUS



## ENERGY BOX

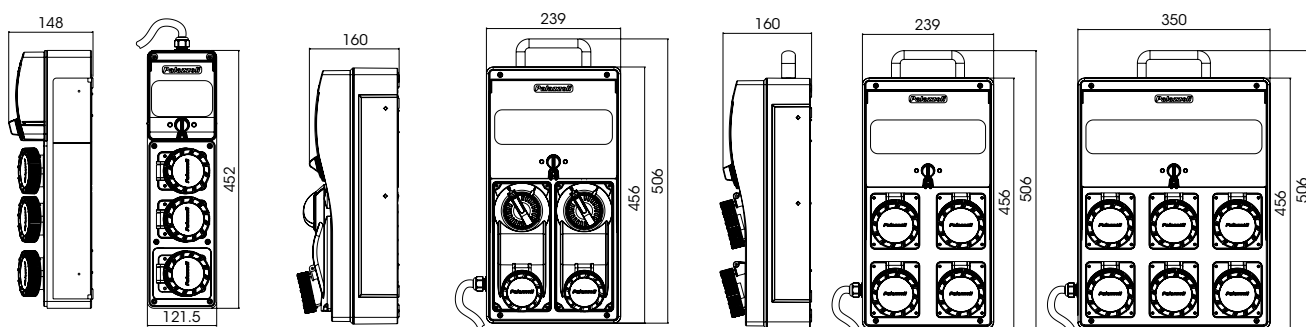
Distribution boards in insulating box





# PRE-WIRED DISTRIBUTION BOARDS

## ENERGY GO

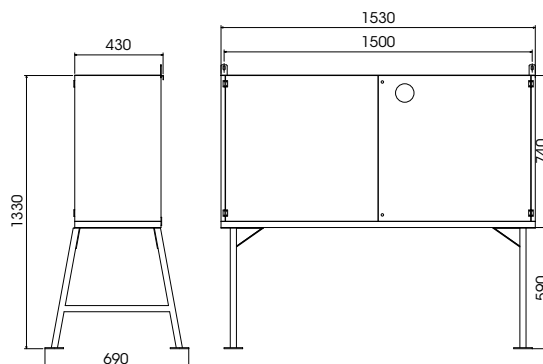
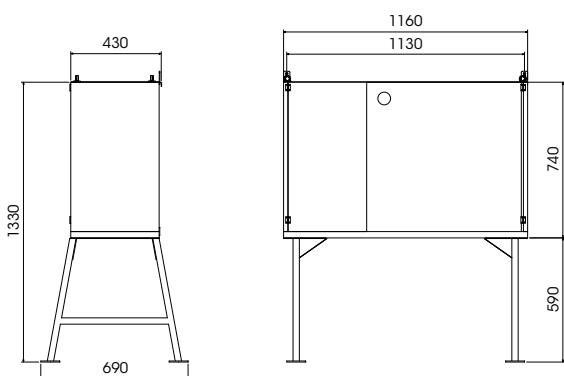


## ENERGY METALBOX

Distribution boards in metal cabinet

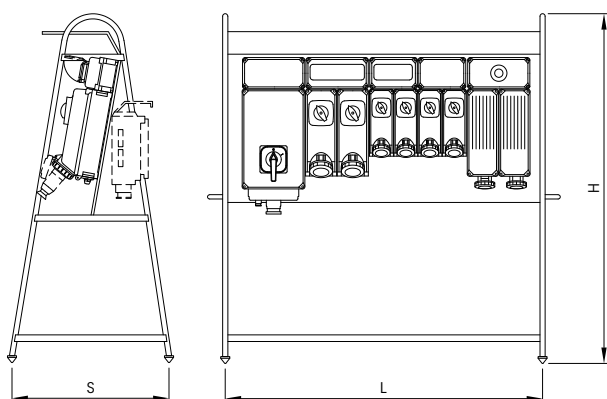
Dimensions 1160x740x430 up to 6 sockets

Dimensions 1530x740x430



## ENERGY TAIS

Distribution boards on stainless steel stand



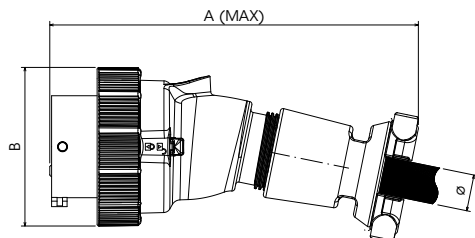
Type
With MCB - 5 sockets
With MCB - 6 sockets
With MCB - 7 to 9 sockets
With fuses - 5 sockets
With fuses - 6 to 10 sockets
With fuses - 11 sockets

L (mm)	H (mm)	S (mm)
1118	1335	565
1313	1335	565
1853	1685	748
803	1335	565
1313	1335	565
1853	1685	748



# ATEX

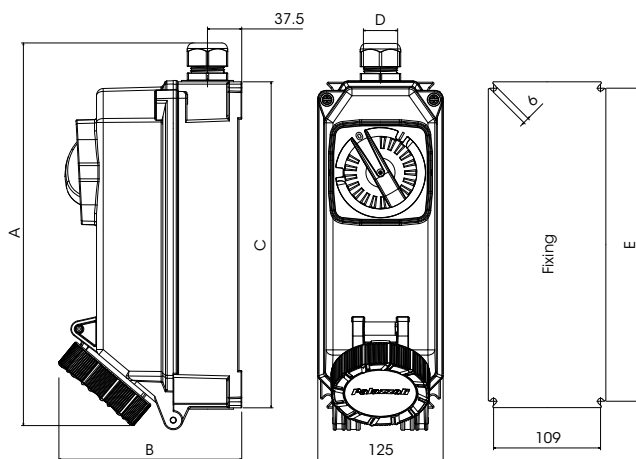
## XCEE-EX



Rated current (A)	No. of poles	A (mm)	B (mm)	∅ (mm)
16	2P+⊕	180	72	6.3-18
	3P+⊕	187	80	
	3P+N+⊕	200	87	
32	2P+⊕	215	93	9 - 23
	3P+⊕			
	3P+N+⊕	225	100	
63	2P+⊕	270	112	14 - 36
	3P+⊕			
	3P+N+⊕			

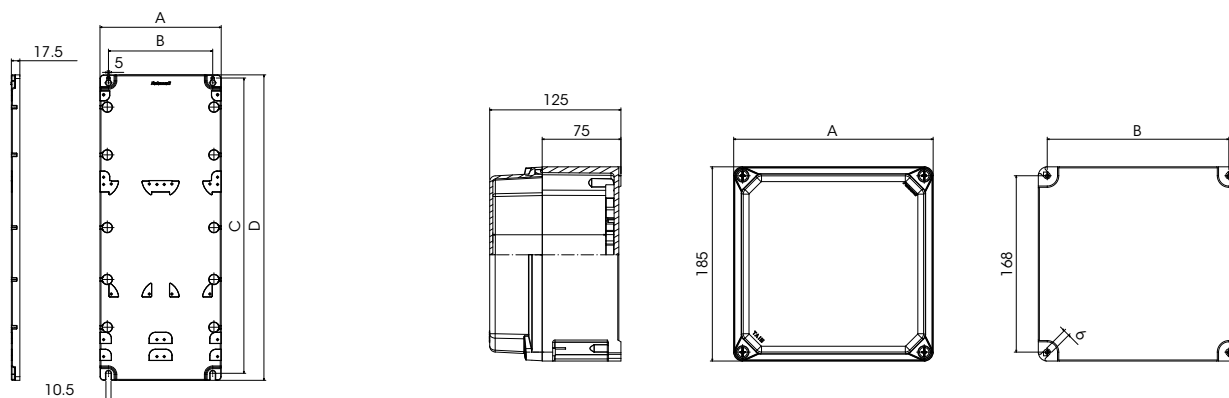
## TAIS-EX

### Socket-outlets



Rated current (A)	Poles	entry cable ∅ (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
16	2P++	12-18	380	159	335	M32	319
	3P++			164			
	3P+N++			175			
32	2P++	16-25	380	177	335	M32	319
	3P++			185			
	3P+N++						
50 / 63	2P++	16-25	423	423	370	M40	354
	3P++						
	3P+N++						

### Mounting plates



Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)
538800	125	90	609	630
538802	250	215	609	630
538804	380	345	609	630

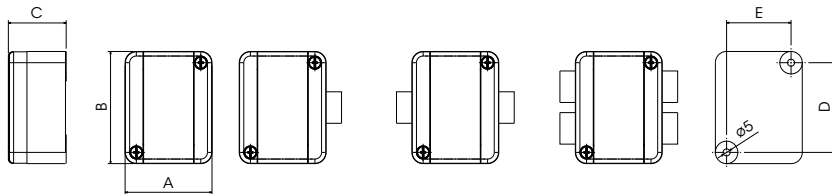
Palazzoli code	A (mm)	B (mm)
532281EX - 532286EX	125	108
532282EX	250	233
532283EX	380	363



# ATEX

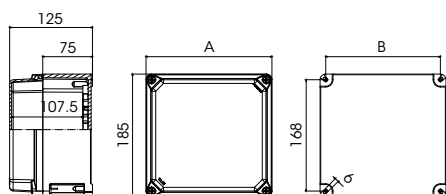
## TAISBOX-EXU E TAISBOX-EX

Compact enclosures

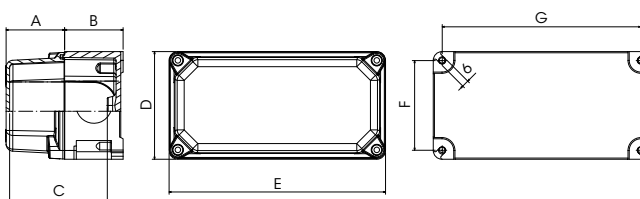


Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
102025EX - 102035EX - 102045EX	62	80	38	64	46
102156EX - 102157EX	77	102	48	86	61

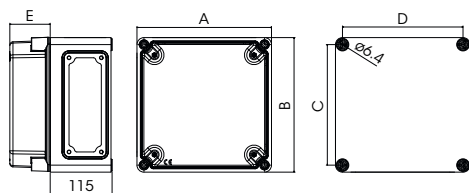
## Enclosures



Palazzoli code	A (mm)	B (mm)
532200EX - 532240EX	125	108
532201EX	190	173
532202EX - 532242EX	250	233
532203EX	290	273
532204EX - 532244EX	380	363



Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
532035EX	18	50	51	92	92	78	78
532045EX	18	50	51	92	125	78	111
532055EX	18	50	51	92	185	78	171
532116EX - 102335EX - 102345EX - 102365EX	25	75	75	125	125	111	111
532117EX - 102443EX - 102463EX - 102445EX - 102485EX	25	75	75	125	185	111	171
532118EX	25	75	75	125	250	111	238
532005EX - 102232EX - 102242EX	50	50	83	92	92	78	78
532006EX	50	50	83	92	125	78	111
532015EX	50	50	83	92	185	78	171
532016EX	50	75	100	125	125	111	111
532017EX	50	75	100	125	185	111	171
532018EX	50	75	100	125	250	111	238

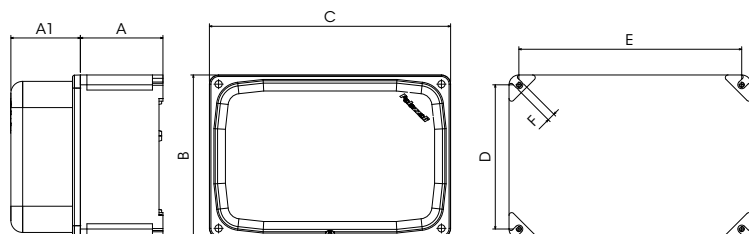


Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
531011EX	185	185	159	159	25
531021EX	250	185	224	159	75
531040EX	250	250	224	224	75
531042EX	250	370	344	224	75
531062EX	370	500	474	344	75



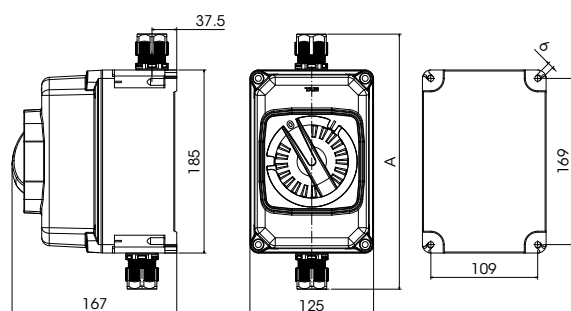
# ATEX

## UNIBOX-EXU in aluminium



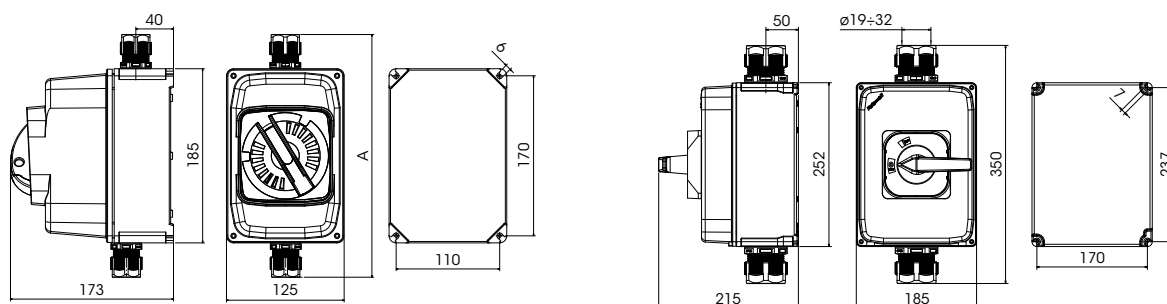
Palazzoli code	A (mm)	A1 (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
511910EX	42	35	92	92	78	78	6
511913EX	63	50	125	125	111	111	6
511220EX	63	50	125	185	111	171	6
150021EX	63	10	155	155	141	141	6
511920EX	95	50	185	185	171	171	6
521310EX	95	13	220	220	192	205	6
511921EX	95	50	185	252	169	236	6
511410EX	140	57	252	252	224	237	6
521420EX	105	18	295	295	266	280	9
511420EX	140	53	252	315	224	300	6
511510EX	140	53	315	315	286	300	9
511610EX	140	80	373	373	330	353	12

## CAMTAIS-EX in thermosetting GRP



Rated current (A)	entry cable Ø (mm)	A (mm)
16-25	9 - 18	257
32 - 63	12.5 - 25	267

## CAMALUPRES-EX in aluminium alloy



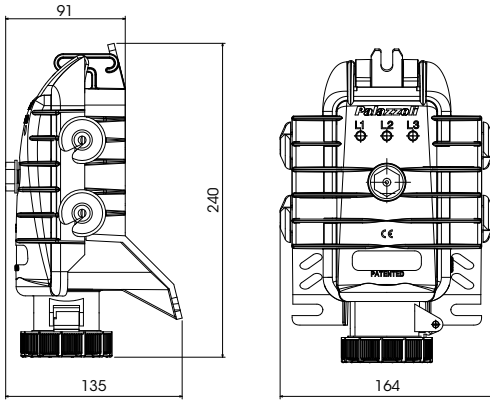
Rated current (A)	entry cable Ø (mm)	A (mm)
16-25	9 - 18	257
32 - 63	12.5 - 25	267



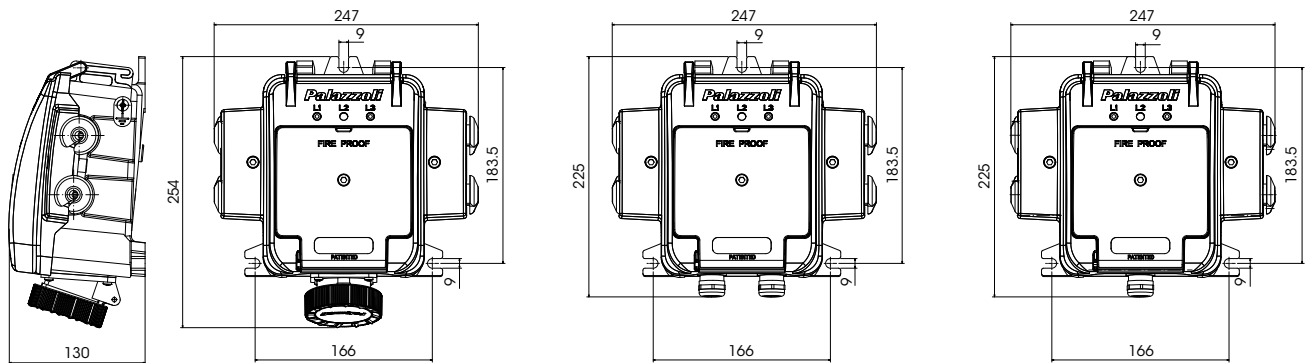
# ATEX

## FASTBOX-T54

Insulation-piercing boxes for ordinary circuits



Insulation-piercing boxes for emergency circuits



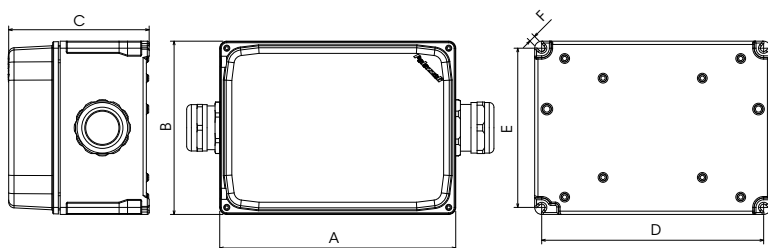




# INFRASTRUCTURES

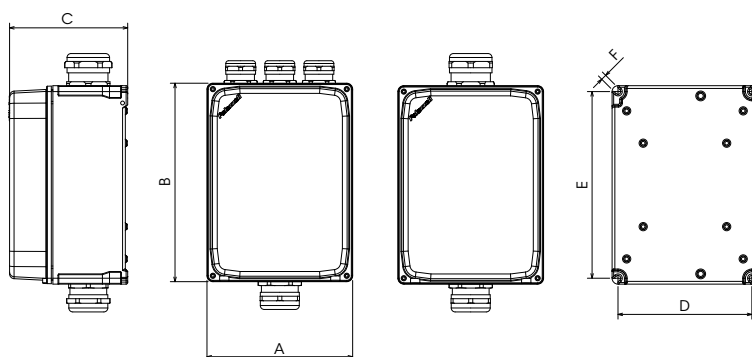
## ALUCASE-T54

Line junction boxes



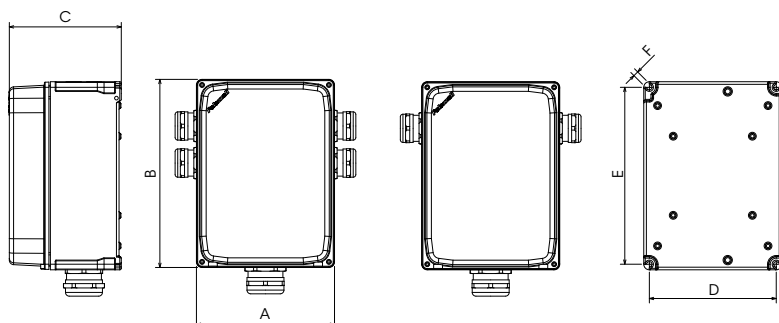
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
151553	185	185	105	171	171	6
151564 - 151575 151585 - 151641 151642 - 151652 151664	252	185	152	236	169	6
151675 - 151685	315	252	193	300	224	6

### Adaptors



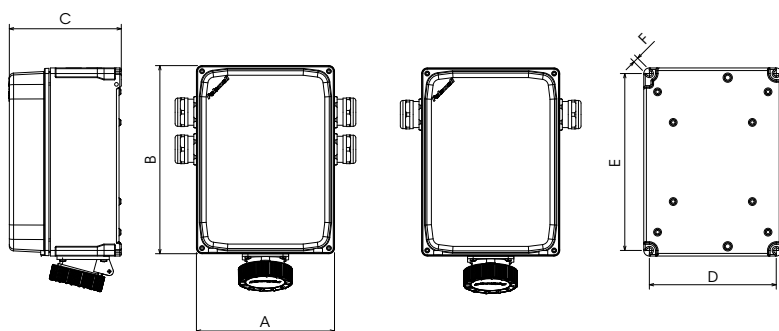
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
151531 - 151532 151533	185	252	152	169	236	6
151534	252	315	193	224	300	6
151535	315	315	193	286	300	9

### Boxes with terminal box and cable gland



Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
151011 - 151022	185	185	105	171	171	6
151034 - 151241 151242 - 151252 151264	185	252	152	169	236	6
151045 - 151275 151285	252	315	193	224	300	6

### Boxes with terminal box and socket-outlet

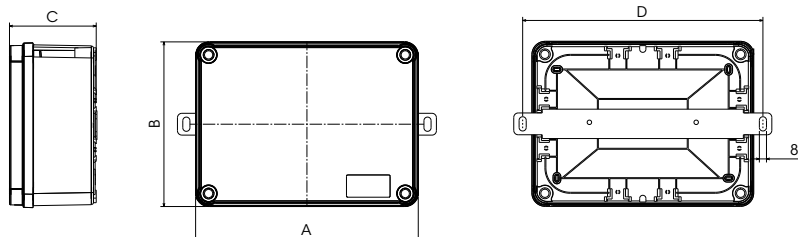


Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
151311 - 151322	185	185	105	171	171	6
151334 - 154441 151442 - 151452 151464	185	252	152	169	236	6
151345 - 151475 151485	252	315	193	224	300	6

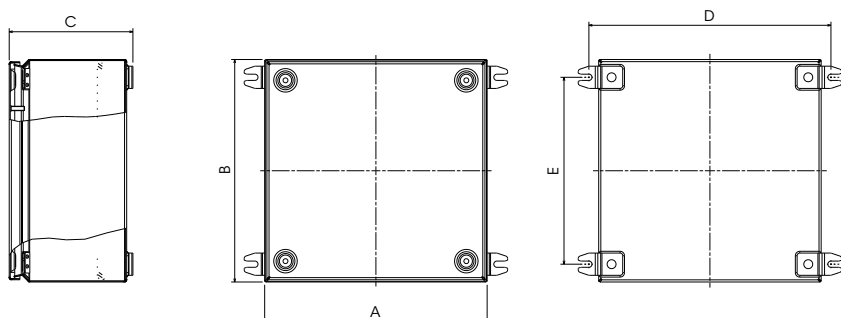


# INFRASTRUCTURES

## FIREBOX-T54



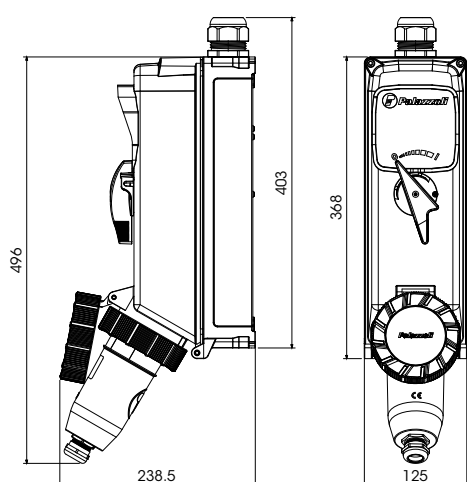
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)
151735 - 151755	160	120	80	170
151731 - 151751 151835 - 151855	200	150	80	220
151733 - 151753 151831 - 151851	250	185	100	270



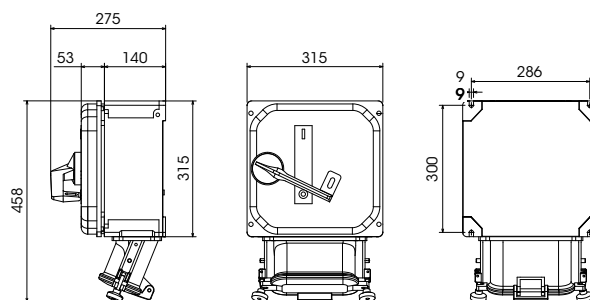
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
151355	150	150	100	172	110
151351 - 151353	250	250	140	272	210

## ALUPRES-T54

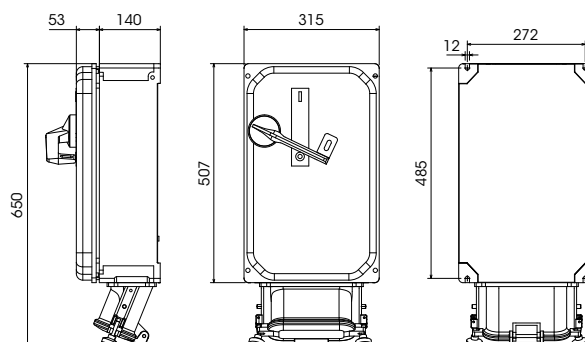
Sockets for fans  
63A



63A



125A

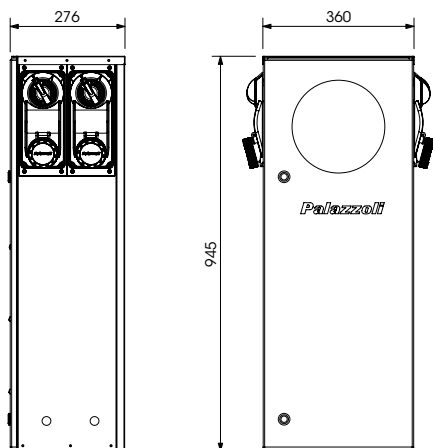




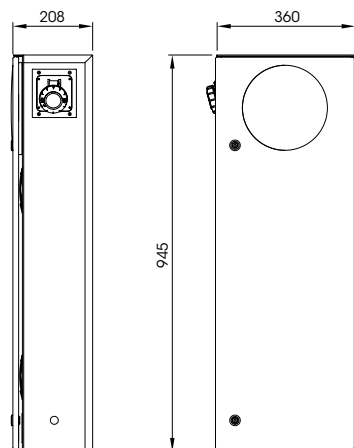
# MARINE

## B-SMART

Standard distribution turrets

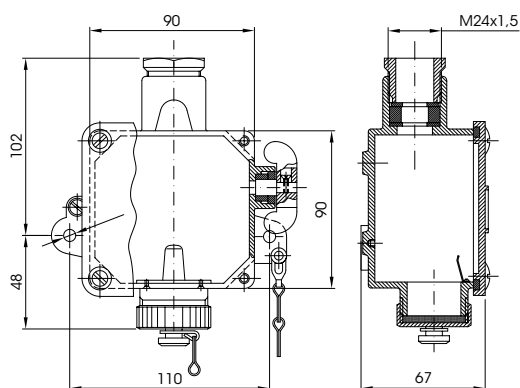


Compact distribution turrets

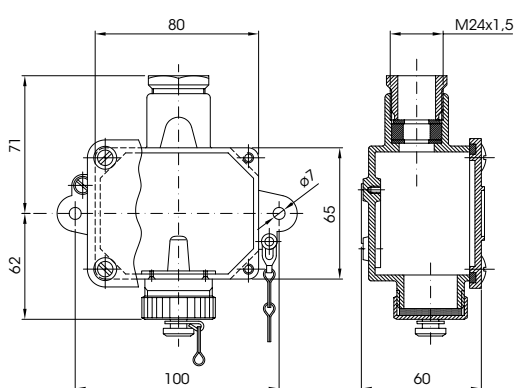


## UNAV

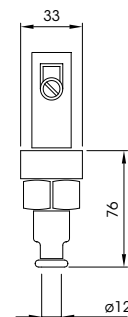
Interlocked socket-outlet  
UNAV 1436



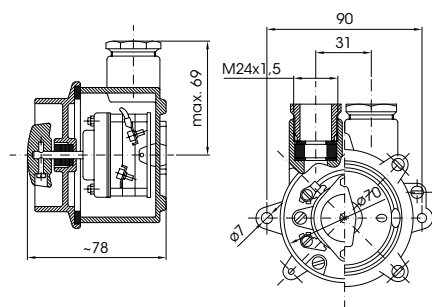
Socket  
UNAV 1435



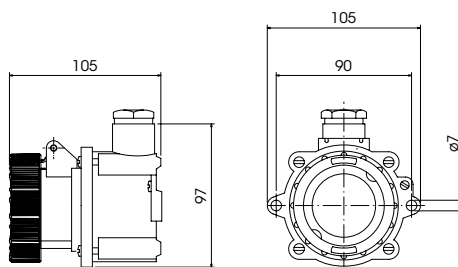
Plug  
UNAV 1437



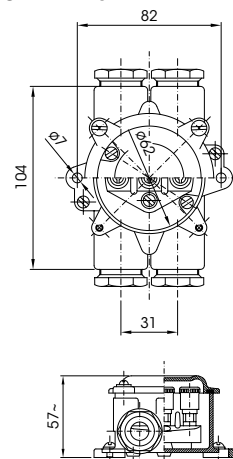
Switches and two-way switches  
in brass UNAV 2162



Industrial socket-outlets  
UNAV 2166



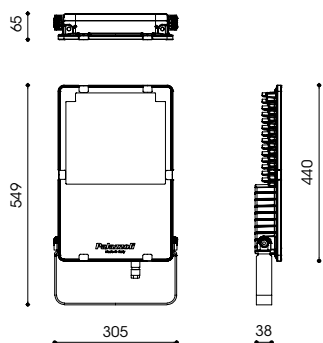
Industrial socket-outlets  
UNAV 2161



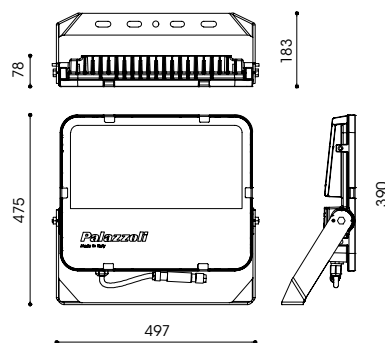


# FLOODLIGHTS

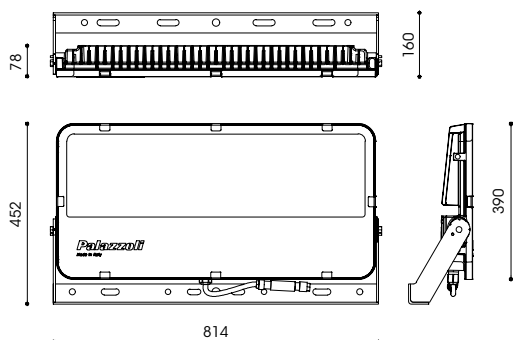
## TIGUA AND TIGUA-EX



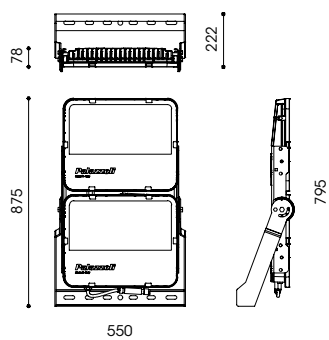
## XTIGUA AND XTIGUA-EX size M



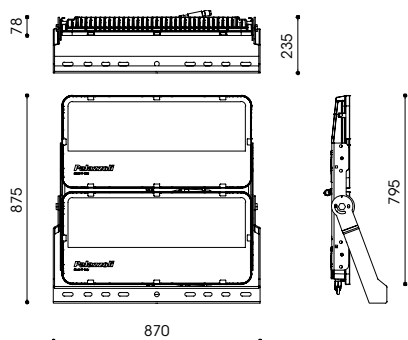
## XTIGUA size L



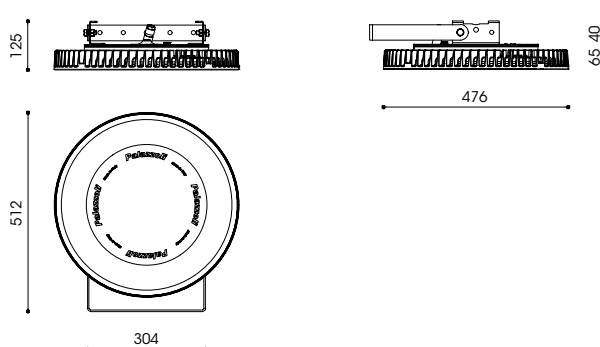
## XTIGUA size XL



## XTIGUA size XXL



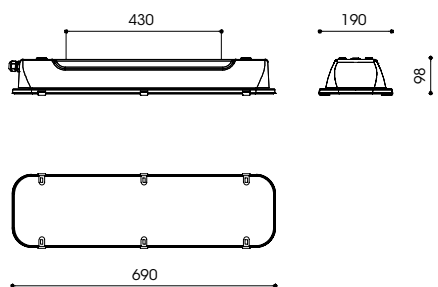
## META



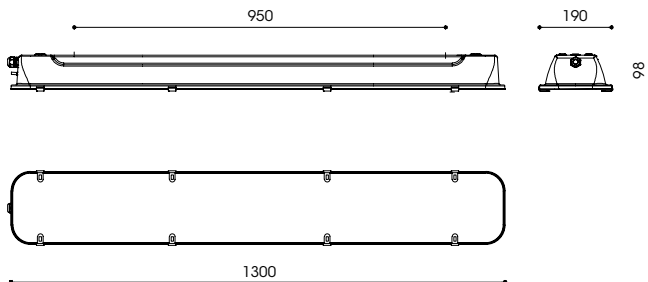


# LIGHT FIXTURES PENDANTS CONTROL

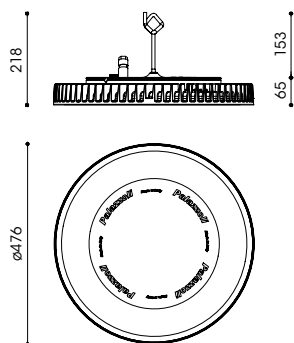
## RINO LED AND RINO LED-EX 690 mm



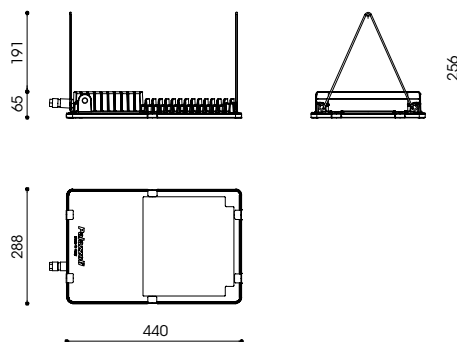
## RINO LED AND RINO LED-EX 1300 mm



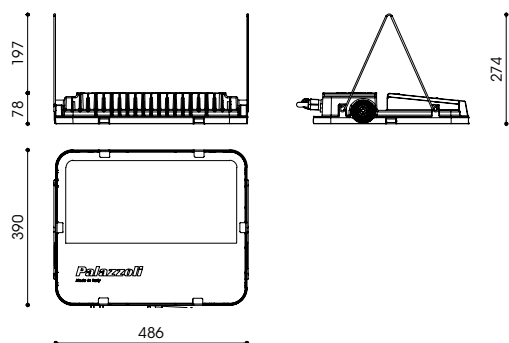
## META AND META-EX



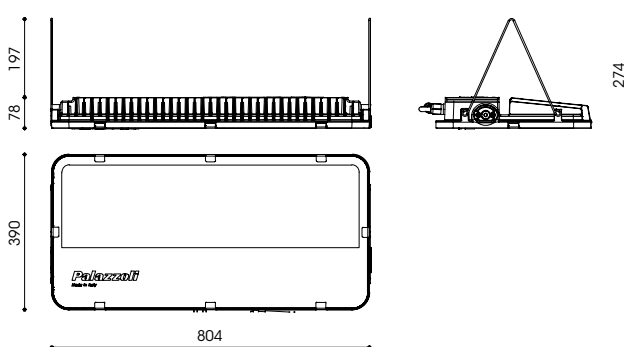
## TIGUA AND TIGUA-EX



## XTIGUA AND XTIGUA-EX size M



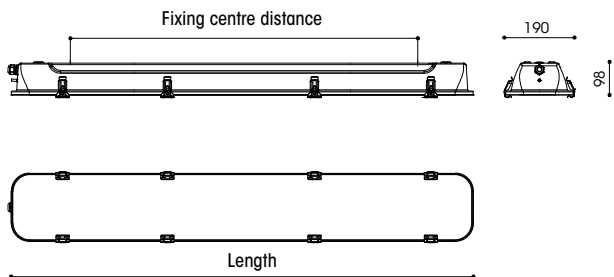
## XTIGUA size L





# LIGHT FIXTURES PENDANTS CONTROL

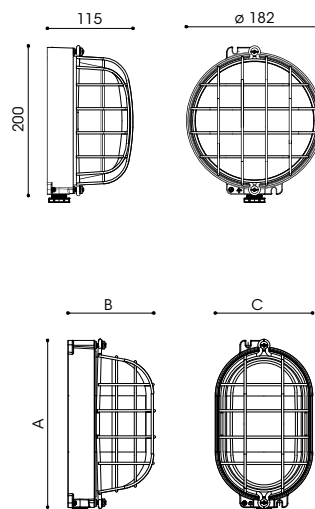
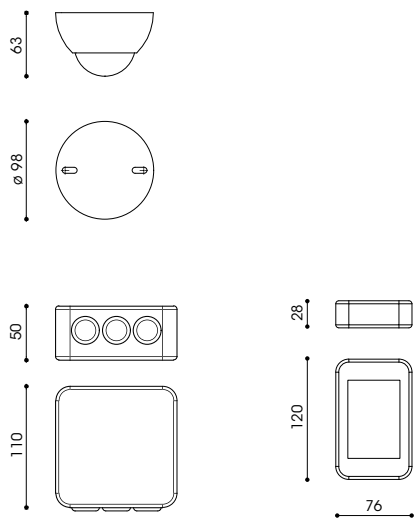
## RINO AND RINO-EX FLUORESCENT



Light fixture width (mm)	Fixing centre distance (mm)
690	480
1300	1090

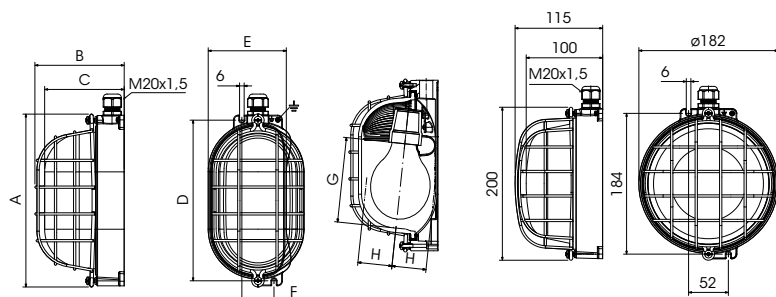
## IMPERIUM

## RINO AND RINO-EX FLUORESCENT



Max. power (W)	A (mm)	B (mm)	C (mm)
60	199	119	112
75	226	122	130
100	295	142	170

## RINO-EX E27 - G23



Type of oval light fixture (W)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
18	199	119	100	184	112	42
28	226	122	105	210	130	42
53	295	142	127	278	170	52

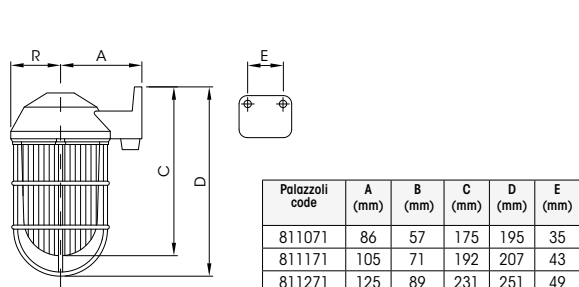




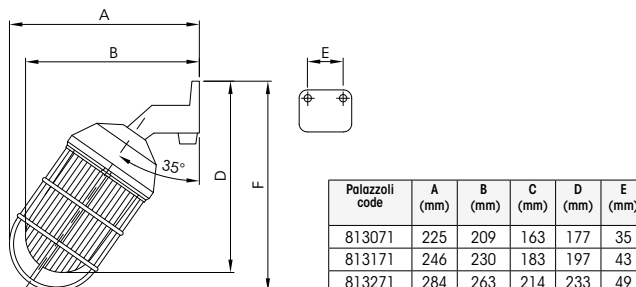
# LIGHT FIXTURES PENDANTS CONTROL

## WELL GLASS FIXTURES

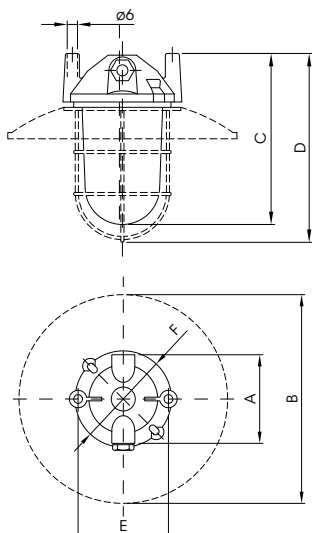
90° well glass fixtures in aluminium alloy



Angled well glass fixtures in aluminium alloy

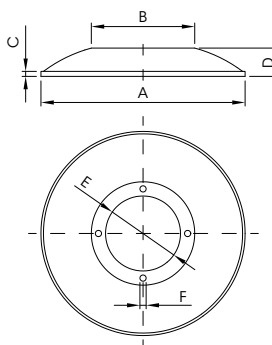


Well glass fixtures in aluminium alloy for ceiling mounting



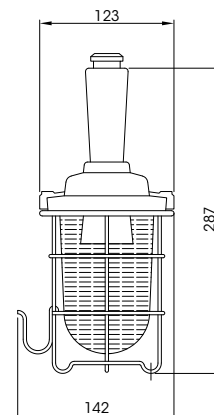
Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
60W	106	245	180	200	108	113
100W	134	200	200	220	135	140
200W	170	245	245	265	172	177

Reflectors for well glass fixtures

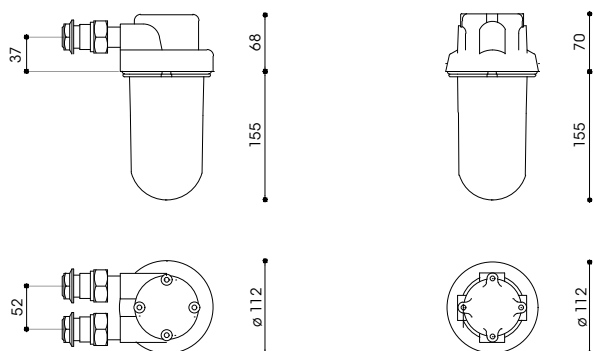


Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
819030	245	124	6	34	90	7.5
819130	275	155	7	42	116	8
819230	325	196	7	42	150	8

Portable well glass fixture UNAV 2137



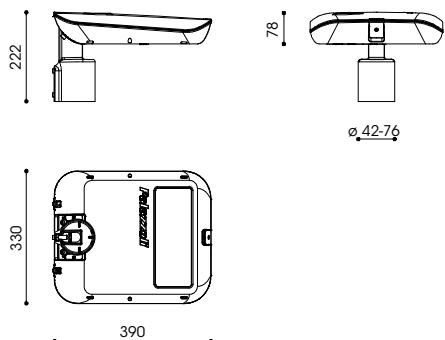
## NAVE - WELL GLASS FIXTURE



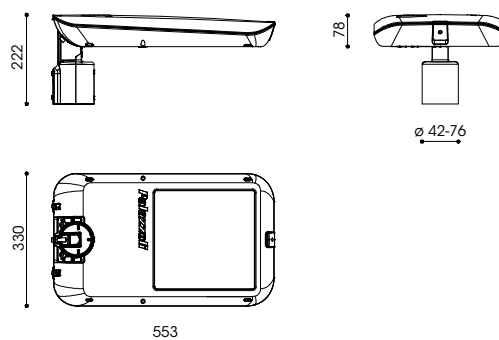


# PUBLIC - TUNNEL - MARINE

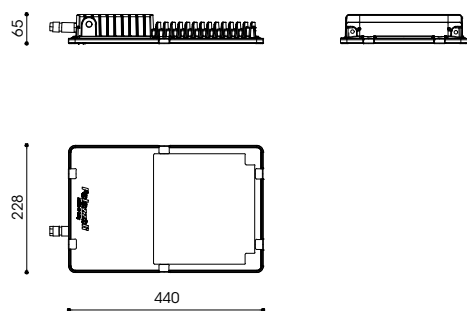
## FIT 55 size S



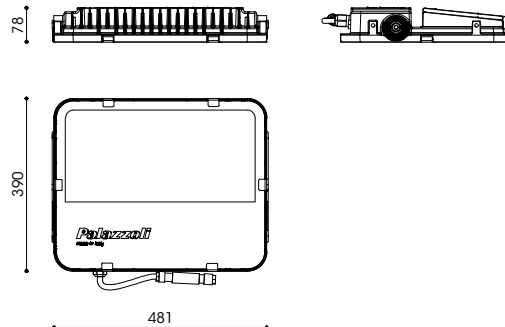
## FIT 55 size M



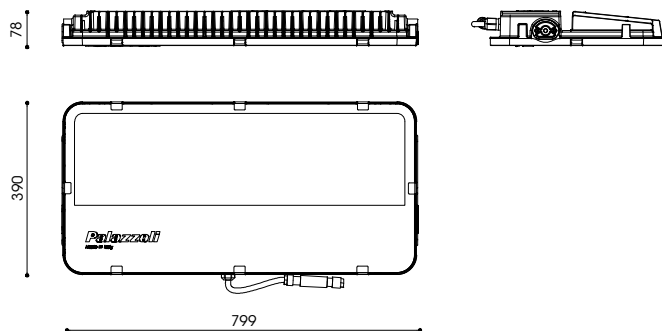
## TIGUA-T54 size S



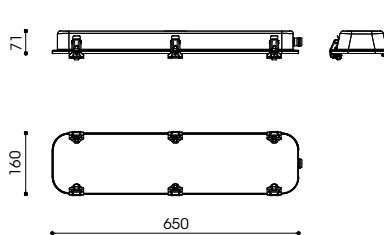
## XTIGUA-T54 size M



## XTIGUA-T54 size L



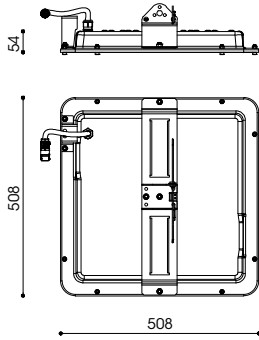
## RINO-T54 size S



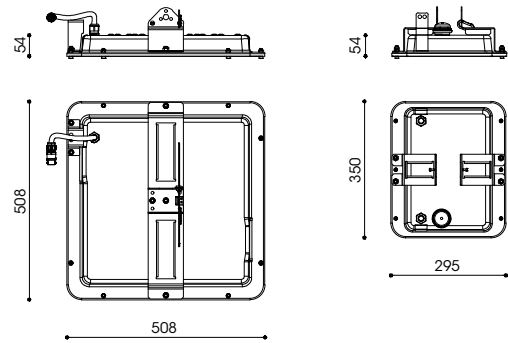


# PUBLIC - TUNNEL - MARINE

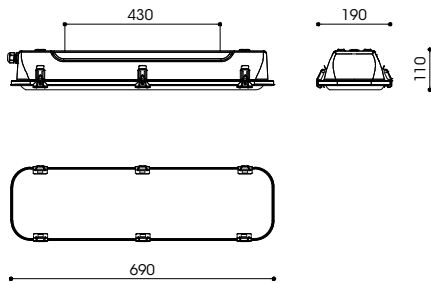
## RINO-T54 size M



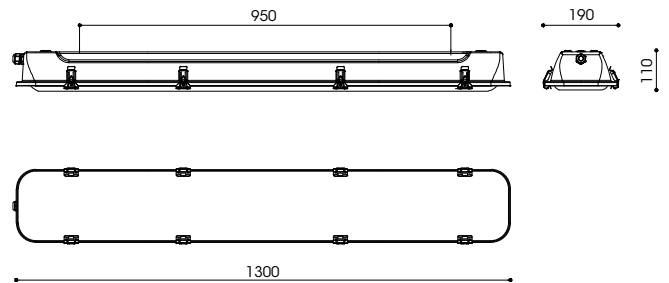
## XRINO-T54 size L



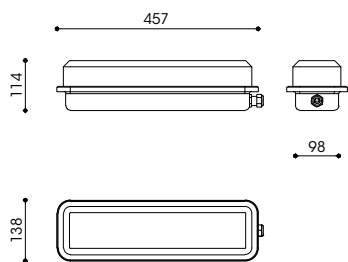
## RINO-NAVE 690 mm



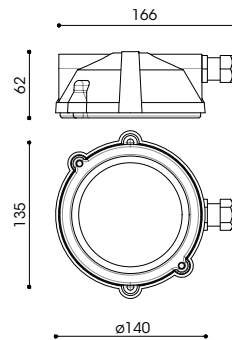
## RINO-NAVE 1300 mm



## RINO-NAVE LED 460 mm



## RINO-NAVE LED WELL GLASS FIXTURE





Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page
<b>1</b>				<b>113094</b>	1-4	20	209	<b>151612</b>	1-4	1	276	<b>151940</b>		1	278	<b>159035</b>	4-1	1	174
<b>101021</b>	8-1-4	12	203	<b>115628</b>		1	292	<b>151613</b>	1-4	1	276	<b>151941</b>		1	278	<b>159036</b>	4-1	1	174
<b>101022</b>	1-4-8	10	203	<b>150021EX</b>	6-10-8	1	252	<b>151614</b>	1-4	1	276	<b>151942</b>		1	278	<b>159037</b>	1-4	1	174
<b>101025</b>	4-8-1	12	204	<b>151011</b>	4-1	1	270	<b>151641</b>	4-1-2	1	271	<b>152130</b>	1-4	1	189	<b>159040</b>	1-4	10	133-174
<b>101031</b>	1-8-4	10	203	<b>151022</b>	1-4	1	270	<b>151642</b>	1-4-2	1	271	<b>152140</b>	1-4	1	189	<b>159042</b>	1-4	5	133-174
<b>101035</b>	8-4-1	10	204	<b>151034</b>	1-4	1	270	<b>151652</b>	1-2-4	1	271	<b>152160</b>	1-4	1	189	<b>159043</b>	4-1	1	133-174
<b>101041</b>	1-8-4	12	203	<b>151045</b>	1-4	1	270	<b>151664</b>	4-2-1	1	271	<b>152230</b>	4-1	1	189	<b>159044</b>	1-4	1	174
<b>101045</b>	1-4-8	12	204	<b>151241</b>	4-1	1	271	<b>151675</b>	2-1-4	1	271	<b>152240</b>	4-1	1	189	<b>159045</b>	4-1	1	174
<b>101061</b>	1-4-8	12	203	<b>151242</b>	1-4	1	271	<b>151685</b>	4-2-1	1	271	<b>152260</b>	1-4	1	189	<b>159046</b>	4-1	1	174
<b>101081</b>	8-1-4	12	204	<b>151252</b>	1-4	1	271	<b>151700</b>		1	169	<b>152330</b>	1-4	1	189	<b>190124</b>	1-4-8	1	80
<b>101092</b>	8-4-1	10	207	<b>151264</b>	1-4	1	271	<b>151702</b>		1	169	<b>152340</b>	4-1	1	189	<b>190126</b>	4-1-8	1	80
<b>101095</b>	4-1	10	204	<b>151275</b>	1-4	1	271	<b>151703</b>		1	169	<b>152360</b>	1-4	1	189	<b>190136</b>	1-8-4	1	80
<b>101096</b>	1-4	20	204	<b>151285</b>	1-4	1	271	<b>151711</b>		1	169	<b>152430</b>	4-1	1	189	<b>190146</b>	8-4-1	1	80
<b>101121</b>	4-8-1	8	203	<b>151301</b>		1	169	<b>151712</b>		1	169	<b>152440</b>	1-4	1	189	<b>190226</b>	1-8-4	1	80
<b>101151</b>	1-4-8	10	203	<b>151304</b>		1	169	<b>151713</b>		1	169	<b>152460</b>	1-4	1	189	<b>190236</b>	8-1-4	1	80
<b>101156</b>	4-1-8	10	204	<b>151311</b>	1-4-2	1	270	<b>151721</b>		1	169	<b>152530</b>	1-4	1	189	<b>190246</b>	1-8-4	1	80
<b>101157</b>	4-8-1	10	204	<b>151322</b>	4-1-2	1	270	<b>151722</b>		1	169	<b>152540</b>	1-4	1	189	<b>2</b>			
<b>101161</b>	1-8-4	1	203	<b>151334</b>	1-4-2	1	270	<b>151723</b>		1	169	<b>152630</b>	1-4	1	189	<b>201151</b>	2-4-1	1	208
<b>101191</b>	4-8-1	1	207	<b>151345</b>	4-2-1	1	270	<b>151731</b>		1	273	<b>152631</b>	1-4	1	189	<b>201152</b>	2-4-1	1	208
<b>101221</b>	8-1-4	10	207	<b>151351</b>		1	273	<b>151733</b>		1	273	<b>152640</b>	1-4	1	189	<b>201155</b>	4-2-1	1	208
<b>102025EX</b>		1	249	<b>151353</b>		1	273	<b>151735</b>		1	273	<b>152641</b>	1-4	1	189	<b>201156</b>	1-2-4	1	208
<b>102035EX</b>		1	249	<b>151355</b>		1	273	<b>151751</b>		1	273	<b>157001</b>	4-2-1	1	269	<b>201162</b>	2-1-4	1	208
<b>102045EX</b>		1	249	<b>151441</b>	4-2-1	1	271	<b>151753</b>		1	273	<b>157011</b>	2-4-1	1	269	<b>201166</b>	1-4-2	1	208
<b>102156EX</b>		1	249	<b>151442</b>	1-4-2	1	271	<b>151755</b>		1	273	<b>157012</b>	2-1-4	1	269	<b>202261</b>	3-2-1-4-8	1	200
<b>102157EX</b>		1	249	<b>151452</b>	4-1-2	1	271	<b>151791</b>		1	169	<b>157050</b>		20	269	<b>202262</b>	1-3-4-2-8	10	200
<b>102232EX</b>		1	249	<b>151464</b>	1-4-2	1	271	<b>151792</b>		1	169	<b>157051</b>		20	269	<b>202265</b>	4-1-2-3-8	1	200
<b>102242EX</b>		1	249	<b>151475</b>	2-1-4	1	271	<b>151831</b>		1	273	<b>157060</b>		100	269	<b>202266</b>	3-4-2-8-1	1	200
<b>102335EX</b>		1	249	<b>151485</b>	1-2-4	1	271	<b>151835</b>		1	273	<b>157101</b>	4-1-2	1	269	<b>202271</b>	4-1-3-2-8	10	200
<b>102342EX</b>		1	249	<b>151531</b>	1-4-2	1	277	<b>151851</b>		1	273	<b>157111</b>	4-1-2	1	269	<b>202271EX</b>	10-8-1	1	261
<b>102345EX</b>		1	249	<b>151532</b>	1-4-2	1	277	<b>151855</b>		1	273	<b>157112</b>	2-4-1	1	269	<b>202275</b>	1-2-3-4-8	1	200
<b>102365EX</b>		1	249	<b>151533</b>	1-4-2	1	277	<b>151880</b>	1-4	1	278	<b>158001</b>	2-4-1	1	269	<b>202275EX</b>	1-10-8	1	261
<b>102443EX</b>		1	249	<b>151534</b>	2-4-1	1	277	<b>151881</b>	1-4	1	278	<b>158011</b>	1-4-2	1	269	<b>202276</b>	1-4-3-2-8	10	200
<b>102445EX</b>		1	249	<b>151535</b>	1-2-4	1	277	<b>151890</b>	1-4	1	278	<b>158012</b>	4-1-2	1	269	<b>202276EX</b>	1-10-8	1	261
<b>102463EX</b>		1	249	<b>151541</b>		1	277	<b>151891</b>	1-4	1	278	<b>158101</b>	4-1-2	1	269	<b>202282</b>	4-2-1-8-3	10	200
<b>102485EX</b>		1	249	<b>151542</b>		1	277	<b>151900</b>		1	278	<b>158111</b>	1-2-4	1	269	<b>202282EX</b>	10-8-1	1	261
<b>112020</b>	4-1	1	209	<b>151543</b>		1	277	<b>151901</b>		10	271	<b>158112</b>	1-2-4	1	269	<b>202283</b>	3-8-4-2-2-1	10	200
<b>112030</b>	1-4	10	209	<b>151544</b>		1	277	<b>151902</b>		10	271	<b>158201</b>	1-4	1	269	<b>202291</b>	4-1-2-8-3	1	205
<b>112040</b>	1-4	1	209	<b>151553</b>	4-1-2	1	278	<b>151903</b>		10	271	<b>158211</b>	1-4	1	269	<b>202292</b>	4-1-2-3-8	1	205
<b>112094</b>	4-1	30	209	<b>151564</b>	4-2-1	1	278	<b>151930</b>		1	278	<b>159030</b>	1-4	1	174	<b>202293</b>	8-2-1-4-3-2	1	205
<b>113020</b>	1-4	1	209	<b>151575</b>	2-1-4	1	278	<b>151931</b>		1	278	<b>159032</b>	1-4	1	133-174	<b>202295</b>	8-4-2-3-1	1	205
<b>113030</b>	1-4	10	209	<b>151585</b>	1-4-2	1	278	<b>151932</b>		1	278	<b>159033</b>	1-4	5	133-174	<b>202296</b>	8-3-2-4-1	1	205
<b>113040</b>	1-4	1	209	<b>151611</b>	4-1	1	276	<b>151933</b>		1	278	<b>159034</b>	1-4	1	133-174	<b>202299</b>	1-8-4	1	206



Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page
208103	4-1-8	1	178	210203	2-3-4-2-1	1	181	212631	4-1	1	181	216201	1-2-3-2-4	1	182	232627		1	293
208104	1-8-4	1	178	210204	1-4-2-2-3	1	181	212632	1-4	1	181	216202	2-4-3-2-1	1	182	232628		1	293
208162	2-1-2-4-8	1	178	210205	4-3-2-2-1	1	181	212633	1-4	1	181	216203	2-1-2-4-3	1	182	232637		1	293
208163	2-8-2-4-1	1	178	210206	1-2-3-4-2	1	181	212634	1-4	1	181	216204	2-1-3-4-2	1	182	236121	3-1-2-2-4	1	181
208164	2-8-4-2-1	1	178	210251	4-2-2-1-3	1	181	214123	1-3-2-4-2	1	181	216251	2-2-1-3-4	1	182	236122	4-3-2-2-1	1	181
208253	1-2-4-2-8	1	178	210252	3-2-1-4-2	1	181	214124	2-1-4-3	1	181	216252	2-1-2-4-3	1	182	236123	2-4-2-1-3	1	181
208254	8-2-2-1-4	1	178	210253	2-4-1-2-3	1	181	214163	2-1-4-3-2	1	181	216253	2-1-3-2-4	1	182	236161	1-2-3-2-4	1	181
208322	1-4-2-8-2	1	178	210254	1-4-2-2-3	1	181	214164	4-1-3-2-2	1	181	216254	2-3-2-1-4	1	182	236162	2-4-2-1-3	1	181
208323	1-2-8-2-4	1	178	210255	2-1-4-3-2	1	181	214203	3-4-1-2-2	1	181	217321	4-1	1	182	236163	1-2-3-2-4	1	181
208324	2-4-1-2-8	1	178	210256	2-4-2-3-1	1	181	214204	1-2-2-4-3	1	181	217322	4-1	1	182	236201	1-2-3-4-2	1	181
208403	1-8-4	1	178	211121	1-4-2-2-3	1	181	214253	1-2-2-4-3	1	181	217323	1-4	1	182	236202	4-2-3-2-1	1	181
208404	1-4-8	1	178	211122	3-2-4-2-1	1	181	214254	3-1-2-2-4	1	181	217324	1-4	1	182	236203	2-3-4-2-1	1	181
208633	8-1-4	1	178	211123	2-2-1-3-4	1	181	214323	3-4-1	1	181	217401	1-4	1	182	236251	1-4-2-2-3	1	181
208634	4-1-8	1	178	211124	3-2-1-2-4	1	181	214324	4-3-1	1	181	217402	4-1	1	182	236252	2-2-3-4-1	1	181
209103	1-4	1	178	211125	2-3-1-2-4	1	181	214403	4-1-3	1	181	217403	1-4	1	182	236253	2-1-3-2-4	1	181
209104	4-1	1	178	211126	3-4-1-2-2	1	181	214404	4-1-3	1	181	217404	4-1	1	182	237121	4-1-3-2	1	181
209162	2-4-2-1	1	178	211161	1-2-3-2-4	1	181	214633	4-1	1	181	217631	1-4	1	182	237122	4-1-2-3-2	1	181
209163	4-2-2-1	1	178	211162	4-3-2-1	1	181	214634	4-3-1	1	181	217632	1-4	1	182	237123	1-2-2-4-3	1	181
209164	2-2-4-1	1	178	211163	2-4-3-1-2	1	181	215121	2-3-1-4-2	1	182	217633	4-1	1	182	237161	4-1-2-3-2	1	181
209253	2-2-1-4	1	178	211164	2-2-4-1-3	1	181	215122	3-2-4-2-1	1	182	217634	4-1	1	182	237162	4-1-2-2-3	1	181
209254	2-4-2-1	1	178	211165	1-3-2-2-4	1	181	215123	2-4-2-1-3	1	182	218123	3-2-2-1-4	1	182	237163	2-3-1-4-2	1	181
209322	2-1-4-2	1	178	211166	4-1-2-3-2	1	181	215124	2-2-1-3-4	1	182	218163	3-2-4-1-2	1	182	237201	4-2-1-2-3	1	181
209323	2-2-4-1	1	178	211201	2-4-3-2-1	1	181	215161	3-1-2-2-4	1	182	218203	2-1-3-2-4	1	182	237202	1-4-3-2	1	181
209324	2-1-2-4	1	178	211202	4-1-2-3-2	1	181	215162	2-2-1-4-3	1	182	218253	1-3-2-2-4	1	182	237203	2-2-4-3-1	1	181
209403	1-4	1	178	211203	3-2-1-2-4	1	181	215163	1-2-2-4-3	1	182	219123	3-1-2-2-4	1	182	237251	2-2-1-3-4	1	181
209404	4-1	1	178	211204	4-2-1-2-3	1	181	215164	2-1-3-4-2	1	182	219163	2-4-2-1-3	1	182	237252	3-4-2-2-1	1	181
209633	1-4	1	178	211205	2-2-3-4-1	1	181	215201	3-1-2-2-4	1	182	219203	2-4-1-3-2	1	182	237253	2-1-3-4-2	1	181
209634	4-1	1	178	211206	4-2-2-1-3	1	181	215202	1-3-4-2-2	1	182	219253	2-3-2-1-4	1	182	239611		5	433
210121	2-2-1-4-3	1	181	211251	2-2-3-4-1	1	181	215203	4-1-2-2-3	1	182	220323	4-1-3	1	182	239612		5	433
210122	3-4-2-2-1	1	181	211252	1-3-4-2-2	1	181	215204	2-4-2-3-1	1	182	220403	3-4-1	1	182	239613		5	433
210123	1-3-2-4-2	1	181	211253	3-2-1-2-4	1	181	215251	3-4-2-2-1	1	182	220633	4-1-3	1	182	261021	1-2-4	1	209
210124	1-4-2-3-2	1	181	211254	2-4-2-1-3	1	181	215252	2-3-1-4-2	1	182	221123	1-2-3-2-4	1	182	261403	3-2-1-4-2	1	201
210125	3-4-1-2-2	1	181	211255	3-4-2-2-1	1	181	215253	3-2-2-1-4	1	182	221163	2-4-2-3-1	1	182	261413	2-2-1-3-4	1	201
210126	1-2-3-2-4	1	181	211256	3-2-1-4-2	1	181	215254	2-4-3-1-2	1	182	221203	4-2-1-2-3	1	182	261432	1-4	1	201
210161	2-3-1-4-2	1	181	212321	4-1	1	181	216121	3-2-2-1-4	1	182	221253	1-4-2-3-2	1	182	261432EX	1-10-8	1	261
210162	1-2-3-2-4	1	181	212322	1-4	1	181	216122	2-1-3-2-4	1	182	222123	1-4-2-2-3	1	182	261433	2-2-3-1-4	1	201
210163	2-1-2-4-3	1	181	212323	1-4	1	181	216123	3-1-2-2-4	1	182	222163	2-3-4-2-1	1	182	261433EX	1-10-8	1	261
210164	2-2-1-4-3	1	181	212324	1-4	1	181	216124	2-3-2-4-1	1	182	222203	3-2-1-4-2	1	182	261435	4-1-3-2-2	10	201
210165	2-1-4-2-3	1	181	212401	4-1	1	181	216161	1-3-2-2-4	1	182	222253	1-3-2-2-4	1	182	261435EX	1-10-8	1	261
210166	2-1-2-3-4	1	181	212402	1-4	1	181	216162	4-3-1-2-2	1	182	223323	3-4-1	1	182	261445	4-1-2-2-3	1	201
210201	1-2-4-2-3	1	181	212403	4-1	1	181	216163	4-3-2-1-2	1	182	223403	3-4-1	1	182	261445EX	1-10-8	1	261
210202	2-1-2-3-4	1	181	212404	1-4	1	181	216164	4-1-3-2-2	1	182	223633	4-1-3	1	182	261493	1-2-2-4	1	205

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Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page
261495	2-1-4-3	1	205	270243		1	183	271225		1	183	274463	8-4-1	1	135	276705	4-1	1	191
261496	3-4-1-2-2	1	205	270247	1-4	1	183	271350		1	183	274500		1	183	276706	1-4	1	191
265103	1-4	1	179	270248	4-1	1	183	271500		1	183	274657	1-4	1	429	276707	1-4	1	191
265104	4-1	1	179	270252EX		1	260	272141	1-4	1	186	274658		1	429	276712	1-4	5	192
265162	2-1-2-4	1	179	270253EX		1	260	272142	4-1	1	186	274659		1	429	276713	4-1	1	192
265163	4-2-2-1	1	179	270254EX		1	260	272143	4-1	1	186	274772	1-4	1	431	276801	1-4	1	191
265164	2-4-1-2	1	179	270323EX		1	260	272144	1-4	1	186	274828	1-4	1	429	276802	4-1	1	191
265253	4-1-2-2	1	179	270324EX		1	260	272146	4-1	1	187	274854	4-1	1	429	276803	4-1	1	191
265254	2-1-4-2	1	179	270326		1	114-123-179-187	272147	1-4	1	187	274857	4-1	1	429	276805	1-4	1	191
265322	2-4-1-2	1	179	270327		1	114-123-179-187	272148	1-4	1	187	274948	4-1	1	429	276806	4-1	1	191
265323	1-2-2-4	1	179	270330		1	114-123-179-187	272152	4-1	1	187	275112	4-1	10	194	276807	1-4	1	191
265324	4-2-2-1	1	179	270331		1	114-123-179-187	272232	1-4	1	186	275113	4-1	10	194	276812	4-1	1	192
265403	1-4	1	179	270332		1	114-123-179-187	272233	4-1	1	186	275116	4-1	1	194	276813	4-1	1	192
265404	1-4	1	179	270335		1	429	272242	4-1	1	186	275117	1-4	1	194	276910		1	193
265632	4-1	1	179	270350		1	179	272243	4-1	1	186	275212	4-1	10	194	276911		1	193
265633	4-1	1	179	270403EX		1	260	272244	1-4	1	186	275213	4-1	10	194	276912		1	193
265634	1-4	1	179	270404EX		1	260	272246	1-4	1	187	275216	1-4	1	194	276913		1	193
267103	4-1	1	179	270500		1	179	272247	4-1	1	187	275217	1-4	1	194	276930		1	193
267104	1-4	1	179	270512	4-1	1	194	272252	4-1	1	187	275312	1-4	5	194	276931		1	193
267162	2-2-4-1	1	179	270513	4-1	1	194	272302	4-1	1	186	275313	4-1	5	194	276932		1	193
267163	4-2-1-2	1	179	270517	4-1	1	194	272303	4-1	1	186	275316	4-1	1	194	280612	1-4	1	194
267164	2-1-2-4	1	179	270528		1	195	272304	1-4	1	186	275317	4-1	1	194	280613	1-4	1	194
267253	2-4-1-2	1	179	270538		1	195	272306	4-1	1	187	276503	4-1	1	191	280617	4-1	1	194
267254	4-1-2-2	1	179	270628		2	195	272307	1-4	1	187	276507	1-4	1	191	280712	1-4	1	194
267322	2-4-1-2	1	179	270633EX		1	260	272312	1-4	1	187	276513	1-4	1	192	280713	4-1	1	194
267323	4-1-2-2	1	179	270634EX		1	260	272502	1-4	1	186	276600	1-4	1	191	282402	1-4	1	186
267324	4-1-2-2	1	179	270638		1	195	272503	1-4	1	186	276601	4-1	5	191	282403	4-1	1	186
267403	4-1	1	179	270728		1	195	272507	1-4	1	187	276602	1-4	5	191	282404	1-4	1	186
267404	4-1	1	179	270900		10	179-195	272542	4-1	1	186	276603	4-1	5	191	282406	4-1	1	187
267632	4-1	1	179	270901		1	433	272543	4-1	1	186	276604	1-4	1	191	282407	4-1	1	187
267633	1-4	1	179	270902		1	428	272552	1-4	1	186	276605	1-4	1	191	282412	4-1	1	187
267634	4-1	1	179	270903		1	428	272553	4-1	1	186	276606	4-1	5	191	282602	4-1	1	186
270103EX		1	260	270909		1	179	272632	4-1	1	186	276607	1-4	1	191	282603	1-4	1	186
270104EX		1	260	270911		1	433	272633	1-4	1	186	276608	1-4	1	192	282607	4-1	1	187
270162EX		1	260	270912		1	428	274225		1	183	276609	1-4	1	192	282703	1-4	1	186
270163EX		1	260	270913		1	428	274350		1	183	276610	4-1	1	192	282803	1-4	1	186
270164EX		1	260	270914		1	428	274401		1	134	276611	4-1	1	192	285412	4-1	5	194
270225		1	179	270916		1	428	274402		1	134	276612	4-1	5	192	285413	4-1	5	194
270236		1	183	270921		1	433	274412	4-1-8	1	135	276613	1-4	1	192	285416	4-1	1	194
270237		1	183	270941		1	433	274416	8-4-1	1	135	276701	4-1	1	191	285417	4-1	1	194
270239		1	183	270951		1	433	274425	8-4-1	1	135	276702	1-4	5	191	286603	4-1	1	191
270240		1	183	270961		1	433	274440	4-8-1	1	135	276703	1-4	5	191	286607	4-1	1	191





Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page
286703	4-1	1	191	292156		1	193	295128		10	196	349122	4-1	25	430	401030	1	1	209
286732	1-4	1	191	292202	1-4	1	184	295137		1	195	349123	1-4	25	430	401031	1	1	209
286762	4-1	1	191	292203	1-4	1	184	295138		1	196	349217	1-4	25	430	403126	4-1	1	121
286782	4-1	1	191	292232	1-4	1	184	295147		5	196	349326	1-4	25	430	403136	4-1	1	121
286902	1-4	1	191	292233	4-1	1	184	295157		5	195	349333	4-1	5	430	403146	1-4	1	121
286903	1-4	5	191	292302	1-4	1	184	295167		1	196	381123	1-3-2-4-2	1	182	403226	1-4	1	121
286906	1-4	1	191	292303	4-1	1	184	295177		1	195	381163	2-2-4-1-3	1	182	403236	4-1	1	121
286907	4-1	1	191	292305		1	193	295308		5	196	381203	2-2-4-1-3	1	182	403246	1-4	1	121
286912	4-1	1	192	292316		1	193	295318		1	196	381253	3-2-1-2-4	1	182	403326	1-4	1	121
286913	4-1	1	192	292325		1	193	295328		5	196	382123	2-1-2-3-4	1	182	403336	1-4	1	121
290103EX		1	259	292336		1	193	295338		1	196	382163	2-2-4-3-1	1	182	403346	1-4	1	121
290104EX		1	259	292356		1	193	<b>3</b>			382203	2-2-1-4-3	1	182	406126	4-1	1	121	
290162EX		1	259	292412	1-4	1	184	302044	4-8-1	1	203	382253	3-2-1-4-2	1	182	406136	4-1	1	121
290163	1-4	1	185	292413	1-4	1	184	302054	1-4-8	1	203	<b>4</b>			406146	4-1	1	121	
290163EX		1	259	292503	4-1	1	185	302091	1-4	10	203	400124	1-4	1	120	406226	1-4	1	121
290164	4-1	1	185	292508		1	196	302092	1-4	10	203	400126	1-4	1	120	406233	1-4	1	121
290164EX		1	259	292512	4-1	1	185	302093	4-1	10	203	400129	1-4	1	120	406236	4-1	1	121
290252EX		1	259	292518		1	196	302095	1-4	10	203	400134	4-1	1	120	406246	4-1	1	121
290253EX		1	259	292528		2	196	302097	4-1	10	203	400136	4-1	1	120	406326	4-1	1	121
290254EX		1	259	292538		1	196	302144	8-4-1	1	203	400139	4-1	1	120	406336	4-1	1	121
290323	4-1	1	185	292542	4-1	1	185	302154	8-1-4	1	203	400144	4-1	1	120	406346	4-1	1	121
290323EX		1	259	292543	1-4	1	185	302192	1-4	10	203	400146	4-1	1	120	407030	1	1	209
290324	1-4	1	185	292552	1-4	1	185	302193	4-1	30	203	400149	1-4	1	120	407031	1	1	209
290324EX		1	259	292553	4-1	1	185	302195	1-4	30	203	400224	1-4	1	120	408126	1-4	1	120
290403EX		1	259	292621	1-4	1	185	302197	4-1	30	203	400226	1-4	1	120	408136	1-4	1	120
290404EX		1	259	292623	1-4	1	185	339039	1-4	3	430	400229	1-4	1	120	408146	1-4	1	120
290522	1-4	1	185	292632	4-1	1	185	339041	1-4	3	430	400233	1-4	1	120	408226	1-4	1	120
290523	1-4	1	185	292633	1-4	1	185	339147	4-1	3	430	400234	1-4	1	120	408233	1-4	1	120
290633EX		1	259	292703	1-4	1	185	339150	1-4	3	430	400236	1-4	1	120	408236	4-1	1	120
290634EX		1	259	292708		1	196	339259	1-4	3	430	400239	1-4	1	120	408246	1-4	1	120
290642	4-1	1	185	292728		1	196	339367	1-4	1	430	400244	1-4	1	120	408326	4-1	1	120
290643	1-4	1	185	292733	1-4	1	185	339988		1	430	400246	4-1	1	120	408336	1-4	1	120
290762	4-1	1	185	293053	1-4	1	185	339998		10	430	400249	1-4	1	120	408346	1-4	1	120
290763	1-4	1	185	293063	4-1	1	185	347001	4-1	10	430	400324	4-1	1	120	409873	4-1	1	121
292101	4-1	1	184	293123	4-1	1	185	347003	4-1	50	430	400326	4-1	1	120	410124	1-4-8	1	99
292102	1-4	1	184	293163	1-4	1	185	347005	4-1	50	430	400329	1-4	1	120	410126	1-4-8	1	99
292103	1-4	1	184	293263	1-4	1	185	348117	4-1	25	430	400334	1-4	1	120	410129	4-8-1	1	99
292105		10	193	295107		10	196	348122	4-1	25	430	400336	4-1	1	120	410134	8-1-4	1	99
292116		1	193	295108		10	196	348123	1-4	25	430	400339	4-1	1	120	410136	1-4-8	1	99
292125		10	193	295117		1	195	348326	4-1	25	430	400344	1-4	1	120	410137	8-1-4	1	99
292136		1	193	295118		1	196	348333	1-4	5	430	400346	4-1	1	120	410139	1-8-4	1	99
292146		1	193	295127		1	196	349117	1-4	25	430	400349	1-4	1	120	410144	8-4-1	1	99

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410146	1-8-4	1	99	412246	1-8-4	1	99	416446	4-8-1	1	99	419144	1-4-8	1	100	419334	1-8-4	1	100
410147	4-8-1	1	99	412326	4-1	1	99	419000	1	1	101-123	419145	4-8-1	1	100	419335	4-1-8	1	100
410149	8-1-4	1	99	412336	4-1-8	1	99	419001		5	65-101	419146	4-1-8	1	100	419336	1-4-8	1	100
410224	8-4-1	1	99	412346	1-4-8	1	99	419002		5	65-101	419147	8-1-4	1	100	419337	4-8-1	1	100
410226	8-4-1	1	99	412436	8-4-1	1	99	419003		5	65-101	419149	4-8-1	1	100	419338	4-1	1	100
410229	8-4-1	1	99	412446	4-8-1	1	99	419004		5	65-101	419220	4-1	1	100	419339	8-4-1	1	100
410233	1-8-4	1	99	413124	4-8-1	1	99	419005		5	65-101	419222	4-1	1	100	419340	1-4	1	100
410234	1-8-4	1	99	413126	8-4-1	1	99	419006		5	65-101	419224	8-1-4	1	100	419341	1-4-8	1	100
410236	1-4-8	1	99	413136	1-4-8	1	99	419010		1	99	419226	4-8-1	1	100	419342	1-4	1	100
410237	8-1-4	1	99	413146	4-1-8	1	99	419021		5	65-101	419227	4-8-1	1	100	419343	8-4-1	1	100
410239	8-4-1	1	99	413224	8-1-4	1	99	419022		5	65-101	419228	4-1	1	100	419344	4-8-1	1	100
410244	1-8-4	1	99	413226	8-1-4	1	99	419023		5	65-101	419229	1-8-4	1	100	419345	4-8-1	1	100
410246	4-8-1	1	99	413236	8-1-4	1	99	419024		5	65-101	419230	1-4	1	100	419346	4-8-1	1	100
410247	4-1-8	1	99	413246	8-1-4	1	99	419025		5	65-101	419231	8-1-4	1	100	419347	4-8-1	1	100
410249	8-1-4	1	99	413326	4-1	1	99	419026		5	65-101	419232	1-4	1	100	419349	8-1-4	1	100
410324	1-4-8	1	99	413336	8-4-1	1	99	419031		5	65-101	419233	8-1-4	1	100	419420	4-1	1	100
410326	1-8-4	1	99	413346	8-1-4	1	99	419032		5	65-101	419234	1-4-8	1	100	419422	1-4	1	100
410329	8-4-1	1	99	413436	8-4-1	1	99	419033		5	65-101	419235	1-8-4	1	100	419424	1-4-8	1	100
410334	8-1-4	1	99	413446	1-8-4	1	99	419034		5	65-101	419236	1-8-4	1	100	419426	1-4-8	1	100
410336	8-4-1	1	99	415000		100	123	419035		5	65-101	419237	1-8-4	1	100	419427	4-1-8	1	100
410337	1-8-4	1	99	415001	1-4	1	122	419036		5	65-101	419238	4-1	1	100	419428	1-4	1	100
410339	4-8-1	1	99	415002	4-1	1	122	419120	1-4	1	100	419239	8-4-1	1	100	419429	4-8-1	1	100
410344	8-1-4	1	99	415101	4-1	1	122	419122	1-4	1	100	419240	1-4	1	100	419430	1-4	1	100
410346	8-4-1	1	99	415102	1-4	1	122	419124	1-4-8	1	100	419241	4-1-8	1	100	419431	1-8-4	1	100
410347	1-8-4	1	99	415801		1	122	419126	1-8-4	1	100	419242	1-4	1	100	419432	1-4	1	100
410349	1-8-4	1	99	415802		1	122	419127	8-1-4	1	100	419243	8-1-4	1	100	419433	1-8-4	1	100
410434	1-8-4	1	99	415901		1	122	419128	4-1	1	100	419244	1-8-4	1	100	419434	4-8-1	1	100
410436	1-8-4	1	99	415902		1	122	419129	8-4-1	1	100	419245	8-4-1	1	100	419435	4-8-1	1	100
410437	8-4-1	1	99	415903		1	122	419130	4-1	1	100	419246	8-1-4	1	100	419436	8-1-4	1	100
410439	1-4-8	1	99	415904		1	122	419131	1-4-8	1	100	419247	4-1-8	1	100	419437	8-1-4	1	100
410444	4-8-1	1	99	416124	1-4-8	1	99	419132	1-4	1	100	419249	1-4-8	1	100	419438	1-4	1	100
410446	8-4-1	1	99	416126	1-8-4	1	99	419133	8-1-4	1	100	419320	1-4	1	100	419439	1-8-4	1	100
410447	4-8-1	1	99	416136	1-8-4	1	99	419134	4-8-1	1	100	419322	4-1	1	100	419440	1-4	1	100
410449	4-8-1	1	99	416146	1-8-4	1	99	419135	8-1-4	1	100	419324	1-8-4	1	100	419441	8-1-4	1	100
412124	8-1-4	1	99	416224	4-8-1	1	99	419136	4-1-8	1	100	419326	4-8-1	1	100	419442	1-4	1	100
412126	4-8-1	1	99	416226	1-8-4	1	99	419137	8-1-4	1	100	419327	4-8-1	1	100	419443	1-4-8	1	100
412136	8-1-4	1	99	416236	4-8-1	1	99	419138	4-1	1	100	419328	4-1	1	100	419444	1-8-4	1	100
412146	4-1-8	1	99	416246	8-1-4	1	99	419139	8-1-4	1	100	419329	8-1-4	1	100	419445	8-4-1	1	100
412224	1-4-8	1	99	416326	4-1	1	99	419140	4-1	1	100	419330	4-1	1	100	419446	1-8-4	1	100
412226	1-4-8	1	99	416336	8-1-4	1	99	419141	1-4-8	1	100	419331	4-8-1	1	100	419447	1-8-4	1	100
412233	1-4	1	99-290	416346	4-1-8	1	99	419142	1-4	1	100	419332	4-1	1	100	419449	4-1-8	1	100
412236	1-4-8	1	99	416436	8-1-4	1	99	419143	1-8-4	1	100	419333	1-8-4	1	100	421029	1-4-8	1	139



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421909		1	431	460247	1-8-4	1	131	461229EX		1	245	462249EX		1	245	469236	4-8-1	1	109
422039	8-1-4	1	139	460249	8-4-1	1	131	461234EX		1	245	462324EX		1	245	469873	4-1	1	110
427019	8-1-4	1	139	460324	1-4	1	131	461236EX		1	245	462326EX		1	245	470126	8-4-1	1	109
427909		1	431	460326	4-1	1	131	461237EX		1	245	462329EX		1	245	470136	4-1-8	1	109
431237	3-1-2	10	201	460329	4-1	1	131	461239EX		1	245	462334EX		1	245	470146	1-8-4	1	109
431252	1-2	10	206	460331	8-1-4	1	131	461244EX		1	245	462336EX		1	245	470226	1-8-4	1	109
433052	1-2	10	39	460333	1-4	1	131	461246EX	6-10-1	1	245	462337EX		1	245	470233	4-1-8	1	109
437012	2-1-2	10	39	460334	8-4-1	1	131	461247EX		1	245	462339EX		1	245	470236	8-4-1	1	109
437022	1-2-2	10	39	460336	4-1-8	1	131	461249EX		1	245	462344EX		1	245	470246	8-1-4	1	109
437152	1-2-2	10	39	460337	4-8-1	1	131	461324EX		1	245	462346EX	10-6-1	1	245	470326	8-1-4	1	109
438124	5-8-1-9-4	1	49	460339	8-1-4	1	131	461326EX		1	245	462347EX		1	245	470336	1-4-8	1	109
438126	8-4-1-5-9	1	49	460341	4-8-1	1	131	461329EX		1	245	462349EX		1	245	470346	8-4-1	1	109
438136	9-4-1-8-5	1	49	460344	1-4-8	1	131	461334EX		1	245	466123	1-4-8	1	131	471002	1-4-2	1	68
438146	1-5-4-8-9	1	49	460346	1-8-4	1	131	461336EX		1	245	466124	4-8-1	1	131	471003	2-1-4-2	1	69
438224	1-5-4-8-9	1	49	460347	4-8-1	1	131	461337EX		1	245	466126	4-1-8	1	131	471004	1-8-4	1	202
438226	4-9-5-1-8	1	49	460349	8-1-4	1	131	461339EX		1	245	466129	8-4-1	1	131	471005	2-4-1	1	68
438236	5-8-9-1-4	1	49	460431	8-1-4	1	131	461344EX		1	245	466131	1-8-4	1	131	471007	2-4-2-1	1	69
438246	5-1-9-4-8	1	49	460434	1-4-8	1	131	461346EX	6-1-10	1	245	466134	1-4-8	1	131	471011	1-2-4	1	68
439124	5-4-8-1-9	1	49	460436	8-4-1	1	131	461347EX		1	245	466136	1-8-4	1	131	471012	1-4-2	1	68
439126	8-4-1-9-5	1	49	460437	4-1-8	1	131	461349EX		1	245	466137	4-1-8	1	131	471013	2-2-1-4	1	69
439136	1-4-5-9-8	1	49	460439	8-4-1	1	131	462124EX		1	245	466139	8-1-4	1	131	471015	1-2-4	1	68
439146	8-5-9-1-4	1	49	460441	1-8-4	1	131	462126EX		1	245	466141	4-1-8	1	131	471017	4-1-2-2	1	69
439224	8-4-5-1-9	1	49	460444	4-8-1	1	131	462129EX		1	245	466144	4-1-8	1	131	471018	1-2-4	1	68
439226	1-4-9-5-8	1	49	460446	1-8-4	1	131	462131		1	293	466146	4-8-1	1	131	471019	2-4-1	1	68
439233	9-1-8-5-4	1	49	460447	8-1-4	1	131	462134EX		1	245	466147	4-8-1	1	131	471022	4-1-2	1	69
439236	8-1-4-9-5	1	49	460449	1-8-4	1	131	462136EX		1	245	466149	1-4-8	1	131	471032	4-1-2	1	69
439246	9-1-4-5-8	1	49	461121		1	293	462137EX		1	245	467021		10	293	471035	4-2-1	1	69
460126	1-4	1	137	461124EX		1	245	462139EX		1	245	467031		10	293	471042	2-1-4	1	69
460136	1-4	1	137	461126EX		1	245	462144EX		1	245	467051		10	293	471045	1-2-4	1	69
460146	1-4	1	137	461129EX		1	245	462146EX	6-10-1	1	245	467124	1-4-8	1	109	471051	2-4-1	1	69
460224	1-4-8	1	131	461131		1	293	462147EX		1	245	467126	4-1-8	1	109	471054	2-1-8-4	1	207
460226	1-8-4	1	131	461134EX		1	245	462149EX		1	245	467136	4-8-1	1	109	471056	2-8-4-1	1	207
460229	1-4-8	1	131	461136EX		1	245	462224EX		1	245	467146	8-1-4	1	109	471058	2-1-4	1	69
460231	8-1-4	1	131	461137EX		1	245	462226EX		1	245	468224	1-8-4	1	108	471059	2-1-4	1	69
460233	4-1	1	131-289	461139EX		1	245	462229EX		1	245	468226	4-8-1	1	108	471062	2-1-4	1	69
460234	1-8-4	1	131	461144EX		1	245	462234EX		1	245	468229	8-1-4	1	108	471063	2-1-4-2	1	69
460236	4-1-8	1	131	461146EX	6-10-1	1	245	462236EX		1	245	468233	1-4-8	1	108	471064	4-1-2-8	1	207
460237	8-4-1	1	131	461147EX		1	245	462237EX		1	245	468234	8-1-4	1	108	471065	2-4-1	1	69
460239	1-4-8	1	131	461149EX		1	245	462239EX		1	245	468236	1-8-4	1	108	471066	2-4-8-1	1	207
460241	4-8-1	1	131	461151		1	293	462244EX		1	245	468239	8-4-1	1	108	471067	2-2-4-1	1	69
460244	1-4-8	1	131	461224EX		1	245	462246EX	1-10-6	1	245	469226	1-8-4	1	109	471072	1-4-2	1	69
460246	8-1-4	1	131	461226EX		1	245	462247EX		1	245	469233	1-4-8	1	109-288	471075	1-4-2	1	69

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471094	2-1-4-8	1	202	471404	8-3-4-2-1	1	202	472243	4-8-2-1	1	137	472556	8-1-4	1	130	472751	8-1-4	1	108
471102	4-1-2	1	68	471414	8-4-1-3-2	1	202	472246	1-4-8	1	130	472557	1-8-4	1	130	472752	4-1-8	1	108
471103	2-1-2-4	1	69	471424	4-3-1-2-8	1	202	472247	8-4-1	1	130	472610	4-8-1	1	108	472754	1-8-4	1	108
471104	8-4-1	1	202	471434	2-8-1-4	1	207	472248	8-4-1	1	130	472611	4-1-8	1	108	472755	1-8-4	1	108
471105	2-1-4	1	68	471454	2-8-4-1	1	207	472253	8-4-1-2	1	137	472612	8-4-1	1	108	472760	1-8-4	1	108
471107	4-2-1-2	1	69	471464	2-8-1-4	1	207	472256	1-8-4	1	130	472620	1-8-4	1	108	472761	8-1-4	1	108
471108	4-2-1	1	69	471602	4-1-2	1	68	472257	4-8-1	1	130	472621	1-8-4	1	108	472762	8-1-4	1	108
471111	2-1-4	1	69	471603	1-4-2-2	1	69	472258	1-4-8	1	130	472622	4-8-1	1	108	472771	1-4-8	1	108
471112	4-2-1	1	68	471605	2-1-4	1	68	472333	2-4-1-8	1	137	472623	4-1-8	1	132	472780	4-8-1	1	108
471113	2-4-2-1	1	69	471607	1-2-4-2	1	69	472336	4-1-8	1	130	472624	1-8-4	1	132	472781	1-8-4	1	108
471114	1-8-4	1	202	471632	1-2-4	1	69	472337	4-1-8	1	130	472630	8-1-4	1	108	472790	1-4-8	1	108
471115	1-4-2	1	68	471635	1-4-2	1	69	472343	8-2-4-1	1	137	472631	4-8-1	1	108	472791	1-8-4	1	108
471117	4-2-1-2	1	69	471662	1-2-4	1	69	472346	1-4-8	1	130	472632	4-1-8	1	108	472810	4-1-8	1	108
471118	2-1-4	1	69	471665	4-1	1	69	472347	8-1-4	1	130	472640	8-1-4	1	108	472811	8-4-1	1	108
471122	2-4-1	1	69	471812	4-1	1	132	472348	1-4-8	1	130	472641	8-1-4	1	108	472812	8-4-1	1	108
471123	1-2-4-2	1	69	471818	4-1-8	1	134	472353	2-8-1-4	1	137	472642	4-8-1	1	108	472820	4-1-8	1	108
471132	2-4-1	1	69	471819	1-4	1	113	472356	8-1-4	1	130	472647	1-8-4	1	132	472821	1-8-4	1	108
471135	2-1-4	1	69	471832	1-4	1	132	472357	1-4-8	1	130	472648	8-4-1	1	132	472822	1-8-4	1	108
471142	1-4	1	69	471838	8-1-4	1	134	472358	4-8-1	1	130	472649	1-8-4	1	132	472830	8-1-4	1	108
471145	4-1-2	1	69	471839	1-4	1	113	472377	1-8-4	1	130	472650	4-1-8	1	108	472831	8-1-4	1	108
471151	1-2-4	1	68	471873	1-4	1	110	472387	8-4-1	1	130	472651	4-1-8	1	108	472832	8-4-1	1	108
471154	2-4-8-1	1	207	471893	4-1-2	1	110	472388	1-4-8	1	130	472660	4-1-8	1	108	472840	8-1-4	1	108
471156	2-8-1-4	1	207	471908	1-4	1	429	472397	8-4-1	1	130	472661	1-8-4	1	108	472841	1-4-8	1	108
471162	1-4-2	1	69	471909	4-1	1	429	472398	4-8-1	1	130	472670	1-8-4	1	108	472842	1-8-4	1	108
471164	4-8-1-2	1	207	471922	1-4	1	429	472418	8-4-1	1	130	472671	8-4-1	1	108	472843	4-8-1	1	132
471165	2-1-4	1	69	471932	1-4	1	429	472428	1-4-8	1	130	472672	8-1-4	1	108	472844	8-1-4	1	132
471166	2-8-4-1	1	207	471950	4-1	1	429	472433	8-2-1-4	1	137	472710	4-8-1	1	108	472850	1-8-4	1	108
471172	1-2-4	1	69	472020	1-8-4	1	110	472436	1-8-4	1	130	472711	8-1-4	1	108	472851	4-1-8	1	108
471175	4-2-1	1	69	472021	1-8-4	1	110	472437	8-1-4	1	130	472712	4-8-1	1	108	472852	8-1-4	1	108
471177	2-2-1-4	1	69	472022	1-4-8	1	110	472443	8-1-2-4	1	137	472720	4-1-8	1	108	472854	4-8-1	1	108
471204	2-3-8-1-4	10	202	472027	4-1-8	1	132	472446	8-4-1	1	130	472721	1-8-4	1	108	472855	1-4-8	1	108
471214	8-4-1	1	207	472130	1-4-8	1	110	472447	1-4-8	1	130	472722	4-8-1	1	108	472861	4-8-1	1	108
471224	1-2-4-8	1	207	472131	4-1-8	1	110	472453	8-4-2-1	1	137	472730	1-4-8	1	108	472870	8-4-1	1	108
471254	4-8-2-1	10	207	472132	4-1-8	1	110	472456	4-1-8	1	130	472731	1-4-8	1	108	472871	8-1-4	1	108
471284	8-1-4-2-3	1	202	472133	4-1-8	1	110-288	472457	8-1-4	1	130	472732	1-8-4	1	108	472880	1-8-4	1	108
471294	2-1-3-4-8	1	202	472137	4-8-1	1	132	472466	1-4-8	1	130	472733	8-4-1	1	132	472881	8-1-4	1	108
471304	1-3-8-4-2	10	202	472233	1-8-4-2	1	137	472486	4-1-8	1	130	472734	8-4-1	1	132	472967		1	162
471314	8-2-1-3-4	1	202	472236	8-1-4	1	130	472518	8-4-1	1	130	472735	1-8-4	1	132-289	472968		1	162
471324	3-2-8-4-1	1	202	472237	8-4-1	1	130	472528	1-4-8	1	130	472740	4-1-8	1	108	472970		1	429
471334	2-1-8-4	1	207	472240	8-4-1	1	110	472536	8-1-4	1	130	472741	1-8-4	1	108	472971		1	429
471354	4-2-1-8	1	207	472241	1-4-8	1	110	472546	1-8-4	1	130	472742	1-4	1	108	472972		1	429
471364	8-1-2-4	1	207	472242	4-1-8	1	110	472547	4-1-8	1	130	472750	4-1-8	1	108	472977		1	162



Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page
472978		1	162	473901	4-1	1	68	474466	8-2-1-4	1	132	475126	1-4-8	1	130	476323	2-8-4-2-1	1	428
472980		1	429	473951	4-1	1	68	474486	1-4-8	1	132-289	475129	1-4-8	1	130	476326	2-2-1-8-4	1	428
472981		1	429	473952	1-4	1	68	474536	2-8-4-1	1	132	475131	8-4-1	1	130	476336	4-1-8	1	113
472990		1	429	473955	1-4	1	68	474586	8-2-1-4	1	132	475134	4-1-8	1	130	476337	4-8-1	1	113
472991		1	429	473961	1-4	1	69	474611	4-8-1	1	109	475136	4-8-1	1	130	476346	1-8-4	1	113
473002	1-4-2	1	68	473962	1-4	1	69	474612	1-4-2-8	1	109	475137	4-8-1	1	130	476347	8-1-4	1	113
473003	2-4-1	1	68	473965	1-4	1	69	474621	1-4-8	1	109	475139	4-8-1	1	130	476403	1-2-2-8-4	1	428
473005	4-2-1	1	68	473971	1-4	1	69	474622	1-8-2-4	1	109	475141	4-8-1	1	130	476406	2-2-1-8-4	1	428
473006	1-2-4	1	68	473972	1-4	1	69	474631	4-1-8	1	109	475144	4-1-8	1	130	476413	2-8-2-4-1	1	428
473012	2-4-1	1	68	473975	4-1	1	69	474632	1-4-8-2	1	109	475146	1-4-8	1	130	476416	2-2-1-8-4	1	428
473013	2-1-4	1	68	474133	4-1-8	1	132	474633	4-8-1	1	132	475147	8-4-1	1	130	476423	4-1-8-2-2	1	428
473015	4-2-1	1	68	474210	4-1-8-2	1	109	474643	1-4-8	1	132	475149	1-8-4	1	130	476426	2-2-1-8-4	1	428
473016	1-4-2	1	68	474220	4-2-1-8	1	109	474653	8-4-1	1	132	475336	8-4-1	1	134	476436	8-1-4	1	113
473062	2-1-4	1	68	474230	2-1-8-4	1	109	474711	1-4-8	1	109	475337	4-1-8	1	134	476437	8-1-4	1	113
473063	4-2-1	1	68	474236	1-8-4	1	132	474712	8-4-1-2	1	109	475346	1-4-8	1	134	476446	8-4-1	1	113
473065	2-1-4	1	68	474237	4-1-8	1	132	474721	8-1-4	1	109	475347	1-8-4	1	134	476447	1-8-4	1	113
473066	2-4-1	1	68	474246	1-8-4	1	132	474722	2-1-4-8	1	109	475436	1-4-8	1	134	476486	2-2-1-8-4	1	428
473102	1-2-4	1	68	474247	4-8-1	1	132	474731	8-4-1	1	109	475437	8-1-4	1	134	476602	1-2-4	1	67
473103	1-4-2	1	68	474256	1-8-4	1	132	474732	4-8-2-1	1	109	475446	8-4-1	1	134	476605	2-4-1	1	67
473105	4-2-1	1	68	474257	4-8-1	1	132	474733	8-1-4	1	132	475447	1-8-4	1	134	476903		1	60-239
473106	4-1-2	1	68	474310	2-8-1-4	1	109	474741	4-1-8	1	109	476002	4-2-1	1	67	476905		10	60-239
473107	1-4	1	68	474320	8-2-1-4	1	109	474742	2-1-8-4	1	109	476005	4-1	1	67	476907		1	60-239
473112	1-4-2	1	68	474330	1-2-8-4	1	109	474743	8-4-1	1	132	476012	1-2-4	1	67	476909		1	60-239
473113	4-2-1	1	68	474336	8-1-4	1	132	474753	4-8-1	1	132	476015	4-2-1	1	67	476913		1	60-239
473115	1-2-4	1	68	474337	8-4-1	1	132	474771	1-4-8	1	109-288	476042	2-4-1	1	67	476923		10	60-239
473116	4-2-1	1	68	474340	1-4-2-8	1	109	474811	8-1-4	1	109	476045	1-4-2	1	67	476925		10	60-239
473122	1-2-4	1	68	474346	1-2-8-4	1	132	474812	2-1-8-4	1	109	476102	1-4-2	1	67	477002	2-1-4	10	66
473123	1-2-4	1	68	474347	1-8-4	1	132	474821	4-1-8	1	109	476105	4-2-1	1	67	477003	1-2-4	1	66
473125	2-4-1	1	68	474356	1-8-4	1	132	474822	2-1-4-8	1	109	476112	4-2-1	1	67	477005	4-1-2	1	66
473126	1-4-2	1	68	474357	4-1-8	1	132	474831	8-4-1	1	109	476115	1-2-4	1	67	477006	4-1-2	1	66
473336	8-4-1	1	134	474387	4-8-1	1	132	474832	1-8-4-2	1	109	476142	2-1-4	1	67	477012	1-4-2	1	66
473337	4-1-8	1	134	474397	8-1-4	1	132	474833	1-4-8	1	132	476145	4-1-2	1	67	477013	4-1-2	1	66
473346	4-8-1	1	134	474410	1-2-8-4	1	109	474843	1-4-8	1	132	476203	4-2-8-2-1	1	428	477015	1-4-2	1	66
473347	4-1-8	1	134	474420	8-1-2-4	1	109	474851	8-4-1	1	109	476206	1-4-8-2-2	1	428	477016	1-2-4	1	66
473436	8-4-1	1	134	474430	2-1-4-8	1	109	474852	2-8-1-4	1	109	476213	4-2-8-1-2	1	428	477062	2-1-4	1	66
473437	8-1-4	1	134	474436	1-4-8	1	132	474853	4-1-8	1	132	476216	1-2-2-4	1	428	477063	4-2-1	1	66
473446	1-4-8	1	134	474437	1-8-4	1	132	474863	8-4-1	1	132	476223	4-8-1-2-2	1	428	477065	1-4-2	1	66
473447	1-8-4	1	134	474446	8-4-1	1	132	474951		1	429	476226	4-2-2-8-1	1	428	477066	2-4-1	1	66
473602	1-4-2	1	68	474447	1-8-4	1	132	474953		1	429	476303	4-1-8-2-2	10	428	477102	4-1-2	1	66
473603	2-4-1	1	68	474450	2-1-4-8	1	109	474955		1	429	476306	8-4-2-2-1	1	428	477103	4-1-2	1	66
473605	1-4-2	1	68	474456	4-8-1	1	132	475123	1-4-8	1	130	476313	2-8-2-1-4	1	428	477105	4-2-1	1	66
473606	2-4-1	1	68	474457	8-4-1	1	132	475124	8-4-1	1	130	476316	2-2-1-8-4	1	428	477106	2-1-4	1	66

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477107	4-1	1	67	480445	4-1	1	112	488114	4-5-1-9	10	48	490024	4-1	1	81	492146	9-4-8-1-5	1	80
477112	2-1-4	1	66	480446	1-4	1	112	488116	1-5-9-4	10	48	490124	1-4-8	1	81	492226	5-9-4-8-1	1	80
477113	1-4-2	1	66	480447	4-1	1	112	488124	1-8-9-4-5	1	44	490126	4-8-1	1	81	492236	9-8-1-5-4	1	80
477115	4-2-1	1	66	480449	4-1	1	112	488126	4-1-5-8-9	10	44	490129	4-8-1	1	81	492246	4-1-5-9-8	1	80
477116	4-1	1	66	480530	4-1-8	1	140	488129	9-8-1-4-5	1	44	490134	4-8-1	1	81	493124	4-1	1	92
477122	2-4-1	1	66	480531	1-4-8	1	140	488134	4-5-8-9-1	1	44	490136	1-4-8	1	81	493126	1-4	1	92
477123	4-2-1	1	66	480550	4-1-8	1	140	488136	1-5-8-9-4	10	44	490139	8-4-1	1	81	493136	1-4	1	92
477175	4-1-2	1	66	480551	4-8-1	1	140	488139	1-4-8-9-5	1	44	490144	4-8-1	1	81	493146	1-4	1	92
477176	4-1-2	1	66	480650	8-1-4	1	140	488144	5-1-8-4-9	1	44	490146	4-1-8	1	81	493226	4-1	1	92
477602	4-2-1	1	66	480651	8-1-4	1	140	488146	5-4-9-8-1	10	44	490149	1-4-8	1	81	493236	4-1	1	92
477603	2-1-4	1	66	480750	1-4-8	1	140	488149	4-8-9-5-1	1	44	490224	4-8-1	1	81	493246	1-4	1	92
477605	2-1-4	1	66	480751	8-4-1	1	140	488224	5-1-4-9-8	1	44	490226	1-8-4	1	81	494124	1-4	1	92
477606	1-2-4	1	66	481324	4-1-8	1	86	488226	1-5-9-4-8	5	44	490229	4-8-1	1	81	494126	1-4	1	92
477901	4-1	1	67	481326	4-1-8	1	86	488229	5-4-8-9-1	1	44	490233	4-8-1	1	81	494136	1-4	1	92
477951	4-1	1	67	481329	8-4-1	1	86	488234	9-1-8-4-5	1	44	490234	4-8-1	1	81	494146	4-1	1	92
477952	4-1	1	67	481334	8-1-4	1	86	488236	1-4-9-5-8	5	44	490236	1-4-8	1	81	494226	4-1	1	92
477955	4-1	1	67	481336	1-4-8	1	86	488239	4-5-1-9-8	1	44	490239	8-1-4	1	81	494236	1-4	1	92
478213		1	292	481339	1-4-8	1	86	488244	4-5-1-8-9	1	44	490244	1-4-8	1	81	494246	4-1	1	92
478336	4-1-8	1	113	481344	4-8-1	1	86	488246	8-9-4-1-5	5	44	490246	8-4-1	1	81	495124	4-1	1	93
478337	4-8-1	1	113	481346	4-1-8	1	86	488249	8-9-1-5-4	1	44	490249	8-1-4	1	81	495126	1-4	1	93
478346	1-8-4	1	113	481349	1-8-4	1	86	489124	4-9-5-1-8	1	44	491124	8-1-4	1	81	495129	4-1	1	93
478347	1-8-4	1	113	482426	1-4	1	112	489126	1-4-5-8-9	10	44	491126	8-5-4-1-9	1	81	495134	1-4	1	93
478436	1-8-4	1	113	482434	1-4	1	112	489129	4-5-8-9-1	1	44	491129	1-4-9-5-8	1	81	495136	1-4	1	93
478437	1-4-8	1	113	482435	4-1	1	112	489134	1-4-5-8-9	1	44	491134	9-4-5-1-8	1	81	495139	1-4	1	93
478446	8-1-4	1	113	482436	1-4	1	112	489136	9-1-5-4-8	10	44	491136	4-1-8-5-9	1	81	495144	4-1	1	93
478447	8-4-1	1	113	482437	1-4	1	112	489139	5-4-9-1-8	1	44	491139	4-8-1-9-5	1	81	495146	4-1	1	93
480324	8-4-1	1	86	482439	1-4	1	112	489144	5-9-4-8-1	1	44	491144	9-4-5-8-1	1	81	495149	1-4	1	93
480326	1-4-8	1	86	482444	4-1	1	112	489146	5-4-8-9-1	10	44	491146	9-8-4-5-1	1	81	495224	4-1	1	93
480329	1-8-4	1	86	482445	1-4	1	112	489149	1-8-9-4-5	1	44	491149	9-1-8-4-5	1	81	495226	1-4	1	93
480334	1-4-8	1	86	482446	4-1	1	112	489224	8-4-5-1-9	1	44	491224	8-1-9-4-5	1	81	495229	1-4	1	93
480336	1-8-4	1	86	482447	4-1	1	112	489226	1-9-8-5-4	5	44	491226	1-8-9-5-4	1	81	495233	1-4	1	93
480339	1-4-8	1	86	482449	1-4	1	112	489229	5-9-8-4-1	1	44	491229	5-8-1-4-9	1	81	495234	1-4	1	93
480344	1-8-4	1	86	483436	4-1	1	112	489233	8-1-5-9-4	1	44-289	491233	1-9-8-5-4	1	81-289	495236	1-4	1	93
480346	8-1-4	1	86	483446	1-4	1	112	489234	5-8-1-4-9	1	44	491234	9-8-5-4-1	1	81	495239	4-1	1	93
480349	4-1-8	1	86	484434	1-4	1	112	489236	8-4-9-1-5	5	44	491236	8-5-9-1-4	1	81	495244	1-4	1	93
480426	1-4	1	112	484436	1-4	1	112	489239	8-1-5-4-9	1	44	491239	4-1-5-9-8	1	81	495246	1-4	1	93
480434	1-4	1	112	484437	4-1	1	112	489244	8-4-5-9-1	1	44	491244	9-8-4-1-5	1	81	495249	1-4	1	93
480435	4-1	1	112	484439	1-4	1	112	489246	9-5-4-1-8	5	44	491246	9-8-4-1-5	1	81	496024	4-1	1	93
480436	4-1	1	112	484444	1-4	1	112	489249	9-1-8-5-4	1	44	491249	1-9-8-5-4	1	81	496124	1-4	1	93
480437	1-4	1	112	484446	1-4	1	112	489326	8-1-4	2	44	492124	9-1-4-5-8	1	80	496126	4-1	1	93
480439	4-1	1	112	484447	1-4	1	112	489336	8-1-4	2	44	492126	5-8-9-1-4	1	80	496129	1-4	1	93
480444	4-1	1	112	484449	1-4	1	112	489346	1-8-4	2	44	492136	1-4-5-9-8	1	80	496134	4-1	1	93





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496136	1-4	1	93	500884	4-1	1	226	508226	8-1-4	1	49	511514	8-4-1	1	165	520011	4-1-8	20	155
496139	4-1	1	93	500885	1-4	1	226	508236	4-1-8	1	49	511610		1	165	520011EX	1-10	1	253
496144	4-1	1	93	500886		1	226	508246	8-4-1	1	49	511610EX		1	252	520011NV	4-1-8	20	155
496146	4-1	1	93	500890	4-1	1	229	509124	1-4-8	1	49	511614	1-4-8	1	165	520012	8-4-1	20	155
496149	1-4	1	93	500891	1-4	1	229	509126	1-8-4	1	49	511634	1-4-8	1	165	520012EX	1-10	1	253
496224	1-4	1	93	500892	1-4	1	229	509136	8-4-1	1	49	511801		1	133	520012NV	1-4	20	155
496226	1-4	1	93	500893	4-1	1	229	509146	8-1-4	1	49	511802		1	133	520014	1-4-8	10	155
496229	1-4	1	93	500894	4-1	1	229	509224	1-4-8	1	49	511803		1	133	520014EX	1-10	1	253
496233	1-4	1	93	500895	4-1	1	229	509226	8-4-1	1	49	511804		1	133	520014NV	1-8-4	10	155
496234	1-4	1	93	500896	1-4	1	229	509233	4-1	1	49	511805		1	133	520019	4-1-8	1	155
496236	1-4	1	93	500897	4-1	1	229	509236	8-1-4	1	49	511824	1-8-4	1	165	520019EX	1-10	1	253
496239	1-4	1	93	500900	1-4	1	229	509246	1-8-4	1	49	511910EX	10-6-8	1	252	520019NV	4-1-8	1	155
496244	4-1	1	93	500903	1-4	1	229	509326	8-1-4	1	49	511913EX	6-10-8	1	252	520020	8-1-4	1	155
496246	1-4	1	93	500904	1-4	1	229	509336	8-1-4	1	49	511920EX	6-10-8	1	252	520020EX	10-1	1	253
496249	1-4	1	93	500916	1-4	1	229	509346	1-4-8	1	49	511921EX	8-10-6	1	252	520020NV	8-1-4	1	155
<b>5</b>				500918	4-1	1	229	511110	4-8-1	1	165	515111	1-4	1	166	520021	1-4-8	1	155
500750	4-1	1	229	500930	1-4	1	229	511201	1-4	1	133	515112	4-1	1	166	520021EX	1-10	1	253
500753	1-4	1	229	500933	1-4	1	229	511202	4-1	1	133	515144	4-1	1	166	520021NV	4-1-8	1	155
500762	1-4	1	229	500934	4-1	1	229	511203	1-4	1	133	515200	4-1	1	166	521009	4-1	1	133-155-253
500766	4-1	1	229	500935	1-4	1	229	511204	1-4	1	135	515214	1-4	1	166	521011	1-4	1	155-253
500767	1-4	1	229	500936	4-1	1	229	511210	1-4-8	1	165	515221	1-4	1	166	521012	4-1	1	133-155-253
500768	4-1	1	229	500941	1-4	1	229	511214	1-4-8	1	165	515224	1-4	1	137-166	521014	1-4	1	133-155-253
500770	4-1	1	229	500943	1-4	1	229	511220	4-8-1	1	165	515300	1-4	1	166	521019	1-4	1	155-253
500790	1-4	1	229	500949	1-4	1	229	511220EX		1	252	515313	1-4	1	166	521020	4-1	1	155-253
500792	4-1	1	229	501500		1	228	511227	1-8-4	1	137	515323	4-1	1	166	521021	4-1	1	155-253
500800	1-4	1	229	501501		1	228	511301	8-1-4	1	133	515411	1-4	1	166	521210	1-4-8	1	165
500801	1-4	1	229	501502		1	228	511302	4-1-8	1	133	515413	1-4	1	166	521214	1-4-8	1	165
500802	1-4	1	229	501503		1	228	511303	4-8-1	1	133	515423	1-4	1	166	521310		1	165
500816	4-1	1	229	501530	8-1-4	1	221	511304	4-1-8	1	135	515453	1-4	1	166	521310EX		1	252
500817	1-4	1	229	501531		1	433	511310	8-1-4	1	165	515512	4-1	1	166	521314	1-8-4	1	165
500830	4-1	1	229	501540		1	222	511314	4-1-8	1	165	515610	4-1	1	166	521414	8-1-4	1	165
500831	1-4	1	229	501550		1	222	511320	4-1-8	1	165	515613	1-4	1	166	521420		1	165
500833	4-1	1	229	501560		1	221	511324	8-4-1	1	165	515632	1-4	1	166	521420EX		1	252
500835	4-1	1	229	501565	1-8-4	1	221	511410		1	165	515637	1-4	1	166	522011		1	155-253
500840	1-4	1	229	501590	1-4	1	221	511410EX		1	252	515822	1-4	1	166	522012		1	155-253
500841	1-4	1	229	501591	4-1	1	221	511414	8-1-4	1	165	518204	1-4	1	166	522014		1	155-253
500843	4-1	1	229	501595		1	221	511420	1-4-8	1	165	518206	1-4	1	137-166	522019		1	155-253
500860	4-1	1	229	508124	1-4-8	1	49	511420EX		1	252	518207	1-4	1	166	522020		1	155-253
500861	4-1	1	229	508126	1-4-8	1	49	511424	8-1-4	1	165	518211	4-1	1	166	522021		1	155-253
500863	1-4	1	229	508136	4-1-8	1	49	511452	1-8-4	1	165	520009	1-4-8	30	155	525200	4-1	1	166
500872	1-4	1	229	508146	8-1-4	1	49	511510		1	165	520009EX	10-1	1	253	525300	1-4	1	166
500874	1-4	1	229	508224	1-4-8	1	49	511510EX		1	252	520009NV	4-1-8	30	155	525410	4-1	1	166

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531011	1-4-8	1	160	532018EX	6-8-10	1	251	532311	8-1-4	1	111	538110		2	113-162	540033		2	138-167
531011EX		1	251	532035	8-4-1	5	159	532516	8-4-1	1	159	538130		2	162	540034		2	138-167
531021	8-4-1	1	160	532035EX	6-8-10	1	251	532557	4-1-8	1	159	538180		1	114-162	540035		2	138-167
531021EX		1	251	532045	1-4-8	1	159	532658	8-4-1	1	159	538210		2	113-162	540036		1	167
531040	4-8-1	1	160	532045EX	6-8-10	1	251	532700		1	111-133-159-251	538225		1	428	540061		1	138-167
531040EX		1	251	532055	4-8-1	1	159	532701		1	111-133-159-251	538230		2	162	540063		1	138-167
531042	4-1-8	1	160	532055EX	10-8-6	1	251	532702		1	111-133-159-251	538280		1	162	540064		1	138-167
531042EX		1	251	532100		1	111	532703		1	111-159-251	538295		1	428	540065		1	138-167
531062	1-8-4	1	160	532101	4-1-8	1	65-101-110	532704		1	111-159-251	538310		1	162	540066		1	167
531062EX		1	251	532102	4-1-8	1	65-101-110	532705		1	159-251	538325		1	428	540090		5	138-167
531200	8-4-1	1	113-160	532103	4-8-1	1	65-101-110	532714		1	159-251	538330		1	162	540091		5	138-167
531211	8-1-4	1	160	532116	4-8-1	1	159	532715		1	159-251	538380		1	162	540161	1	1	167
531220	1-8-4	1	113-160	532116EX	6-8-10	1	251	532716		1	159-251	538385		1	162	540180		1	138-167
531221	4-1-8	1	160	532117	4-1-8	1	159	532717		1	159-251	538395		1	428	540190		1	138-167
531222	8-1-4	1	160	532117EX	6-10	1	251	532718		1	159-251	538400		1	123-163	540191		1	138-167
531231	1-8-4	1	160	532118	8-4-1	1	159	532718		1	159-251	538410		1	114-123-163	540193		1	138-167
531240	4-8-1	1	160	532118EX	10-8-6	1	251	532725	4-1	1	174	538421	4-1	1	114	540195		1	138-167
531241	4-1-8	1	160	532121	8-1-4	1	65-101-110	532745	1-4	1	174	538425		1	111	541040	1	1	167
531242	1-8-4	1	160	532122	1-4-8	1	65-101-110	532747	4-1	1	174	538429	1-4	1	114	541050		1	138-167
531262	1-8-4	1	160	532131	1-8-4	1	65-101-110	532826		1	137	538429EX	1	1	246	541055		1	138-167
531311	1-4-8	1	160	532132	8-1-4	1	65-101-110	532841		1	65-101	538432		1	111	544033		1	167
531321	1-4-8	1	160	532133	1-4-8	1	65-101-110	532842		1	65-101	538436	4-1	1	114	544034		1	167
531331	4-1-8	1	113-160	532200	4-8-1	1	111-159	532843		1	65-101	538436EX	1	1	246	544035		1	167
531340	1-8-4	1	160	532200EX	6-8-10	1	251	532895		1	133	538610		10	163-166-430	544036		1	167
531411	1-8-4	1	160	532201	8-4-1	1	111-159	535126	4-1	1	161	538620		10	163-166-430	545081		1	138-167
531431	4-1-8	1	160	532201EX	1-10-6-8	1	251	535131	1-4	1	161	538630		5	163-166-430	545083		1	138-167
531440	4-1-8	1	160	532202	1-8-4	1	111-159	535135	1-4	1	161	538791		50	111	545084		1	167
531442	8-4-1	1	160	532202EX	6-10-8	1	251	535137	4-1	1	161	538800		1	111	545085		1	167
531540	8-1-4	1	160	532203	8-4-1	1	111-159	535140	1-4	1	161	538800EX	1	1	246	545086		1	167
531640	1-4-8	1	160	532203EX	8-10-6	1	251	535142	1-4	1	161	538801		1	111	547054	1	1	138-167
531662	1-4-8	1	160	532204	8-4-1	1	111-159	535157	4-1	1	161	538802		1	111	550001	4-1-8	1	148
532005	4-8-1	1	159	532204EX	10-6-8	1	251	535162	4-1	1	161	538802EX	1	1	246	550002	4-8-1	1	148
532005EX	8-6-10	1	251	532211	8-4-1	1	111	535320	4-1	1	113-161	538803		1	111	550003	8-4-1	1	148
532006	8-4-1	1	159	532281EX		1	246	535321	1-4	1	113-161	538804		1	111	550004	4-1-8	1	148
532006EX	6-8-10	1	251	532282EX		1	246	535322	1-4	1	161	538804EX	1	1	246	550005	1-4-8	1	148
532015	1-8-4	1	159	532283EX		1	246	535323	1-4	1	161	540000		1	431	550006	4-1-8	1	148
532015EX	10-6-8	1	251	532286EX		1	246	535324	4-1	1	161	540001		1	431	550007	4-1-8	1	148
532016	8-4-1	1	159	532300	8-1-4	1	111-159	535325	4-1	1	161	540002		1	431	550031	8-4-1	1	148
532016EX	8-6-10	1	251	532301	4-1-8	1	111-159	535326	4-1	1	161	540003		1	431	550032	8-4-1	1	148
532017	8-1-4	1	159	532302	1-8-4	1	111-159	535327	1-4	1	161	540004		1	431	550033	4-1-8	1	148
532017EX	8-6-10	1	251	532303	4-1-8	1	111-159	535328	4-1	1	161	540005		1	431	550034	1-4-8	1	148
532018	8-4-1	1	159	532304	4-1-8	1	111-159	535640	1-4	1	113-161	540006		1	431	550035	8-4-1	1	148



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550036	4-1-8	1	148	550613		5	148	550737		1	431	571129	1	20	171	572221		20	173
550037	4-1-8	1	148	550614		1	148	559011	4-1	1	206	571129EX	1	20	256	572229		20	173
550502		4	148	550615		1	148	559012	4-1	1	206	571136	1	10	171	572236		10	173
550503		4	148	550616		1	148	559021	4-1	8	202	571136EX	1	10	256	572242		5	173
550504		4	148	550617		1	148	559022	1-4	1	202	571142	1	10	171	572248		5	173
550505		1	148	550621		5	148	559031	4-1	8	202	571142EX	1	5	256	572307		50	173
550506		1	148	550622		5	148	559032	4-1	1	202	571148	1	10	171	572309		50	173
550507		1	148	550623		5	148	559132	4-1	15	206	571148EX	1	5	256	572311		50	173
550522		6	149	550624		1	148	559134	1-4	1	206	571207		50	171-256	572313		50	173
550523		6	149	550625		1	148	559232	4-1	1	201	571209		50	171-256	572316		25	173
550525		4	149	550626		1	148	559234	4-1	1	201	571211		50	171-256	572321		20	173
550526		4	149	550632		1	149	570010		1	48-85-225	571213		50	171-256	572329		15	173
550527		1	149	550633		1	149	571007	1	100	171	571216		50	171-256	572336		10	173
550542		6	149	550635		1	149	571009	1	50	171	571221		25	171-256	572342		10	173
550543		6	149	550636		1	149	571009EX	1	50	256	571229		20	171-256	572348		10	173
550545		4	149	550637		1	149	571011	1	50	171	571236		10	171-256	575501	4-1	1	94
550546		4	149	550640		20	150	571011EX	1	50	256	571242		5	171-256	575502	4-1	1	87
550547		1	149	550641		5	150	571013	1	50	171	571248		5	171-256	575505	4-1	1	84
550552		4	149	550642		1	150	571013EX	1	50	256	572007	1	50	173	575506	4-1	1	84
550553		4	149	550643		1	150	571016	1	50	171	572009	1	50	173	575701		1	287
550555		1	149	550645		1	150	571016EX	1	50	256	572011	1	50	173	575702		1	287
550556		1	149	550648		1	150	571021	1	25	171	572013	1	50	173	575706		1	287
550557		1	149	550662		1	150	571021EX	1	20	256	572016	1	50	173	575708		1	287
550562		6	149	550663		1	150	571029	1	20	171	572021	1	20	173	575710		1	287
550563		6	149	550665		1	150	571029EX	1	20	256	572029	1	20	173	575711		1	287
550564		6	149	550666		1	150	571036	1	10	171	572036	1	10	173	576100	1-4	1	285
550566		1	149	550667		1	150	571036EX	1	10	256	572042	1	5	173	576101	4-1	1	285
550567		1	149	550680		10	150	571042	1	5	171	572107	1	50	173	576110	4-1	1	285
550582	1-4	6	149	550689		1	431	571042EX	1	5	256	572109	1	50	173	576111	4-1	1	285
550583	4-1	6	149	550701		1	431	571048	1	5	171	572111	1	50	173	576112	4-1	1	285
550585	4-1	1	149	550702		1	431	571048EX	1	5	256	572113	1	50	173	576113	4-1	1	285
550586	1-4	1	149	550703		1	431	571107	1	50	171	572116	1	50	173	576200	1-4	1	285
550587	4-1	1	149	550704		1	431	571109	1	50	171	572121	1	20	173	576201	1-4	1	285
550601		5	148	550705		1	431	571109EX	1	50	256	572129	1	20	173	576202	4-1	1	285
550602		5	148	550706		1	431	571111	1	50	171	572136	1	10	173	576203	1-4	1	285
550603		5	148	550707		1	431	571111EX	1	50	256	572142	1	5	173	576205	4-1	1	285
550604		1	148	550731		1	431	571113	1	50	171	572148	1	5	173	576206	1-4	1	285
550605		1	148	550732		1	431	571113EX	1	50	256	572207		50	173	576400	1-4	1	286
550606		1	148	550733		1	431	571116	1	50	171	572209		50	173	576401	1-4	1	286
550607		1	148	550734		1	431	571116EX	1	50	256	572211		50	173	576600		1	286
550611		5	148	550735		1	431	571121	1	20	171	572213		50	173	576601		1	286
550612		5	148	550736		1	431	571121EX	1	20	256	572216		50	173	576800	1-4	1	285

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Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page
579011		1	48-85	579719		1	87	580212		1	171	58112EX	1	50	257	582025	1-4	25	138-172
579012		10	48-85-225	579721	8-1-4	1	83	580213		1	171	581116	4-1	50	114-123-163-170	582032	1-4	20	138-172
579013		1	47-85	579722	4-8-1	1	83	580230		100	171	58116EX	1	50	257	582041	1-4	10	138-172
579014		1	47-85	579723	8-1-4	1	83	580231		100	171	581120	4-1	50	114-123-163-170	582050	4-1	5	138-172
579400	4-1	1	87	579741	1-8-4	1	83	580232		100	171	581120EX	1	50	257	582112	4-1	100	172
579421	4-1	1	87	579742	4-8-1	1	83	580233		50	171	581125	1-4	25	114-123-163-170	58212EX	1	50	258
579422	1-4	1	87	579743	8-4-1	1	83	580234		25	171	581125EX	1	20	257	582116	4-1	50	172
579423	1-4	1	87	579744	8-4-1	1	83	580242		5	430	581132	4-1	20	114-123-163-170	582116EX	1	50	258
579451	4-1	1	83	579750	8-1-4	1	47	580243		5	430	581132EX	1	20	257	582120	4-1	50	172
579452	4-1	1	83	579751	4-1-8	1	47	580244		1	430	581140	4-1	10	114-123-163-170	582120EX	1	50	258
579453	1-4	1	83	579822	8-1-4-11	1	46	580250		1	48-85-95	581140EX	1	20	257	582125	1-4	25	172
579462	4-1	1	428	579823	4-1-8	1	46	580360EX	1	1	258	581150	1-4	5	114-123-163-170	582125EX	1	20	258
579500	1-4	1	94	579824	4-8-1-11	1	46	580361EX	1	1	258	581150EX	1	10	257	582132	4-1	20	172
579510	1-4	1	94	579826	8-4-1	1	46	580364EX	1	1	258	581163	1-4	5	114-123-163-170	582132EX	1	20	258
579582		1	95	579828	11-1-4-8	1	46	580365EX	1	1	258	581163EX	1	5	257	582140EX	1	20	258
579584		1	95	579830	1	10	45	580394EX	1	1	258	581212		50	114-123-163-170-257	582141	1-4	10	172
579590		1	428	579831	1-4	10	45	580395EX	1	1	258	581216		50	114-123-163-170-257	582150	4-1	5	172
579591		1	95	579832	1	10	45	580396EX	1	1	258	581220		50	114-123-163-170-257	582150EX	1	10	258
579592		1	428	579840	1	5	45	580416EX	1	1	258	581225		50	114-123-163-170-257	582163	4-1	5	172
579602	1-4	1	94	579842		1	47	580420EX	1	1	258	581232		50	114-123-163-170-257	582163EX	1	5	258
579612	4-1	1	95	579843		1	47	580425EX	1	1	258	581240		20	114-123-163-170-257	582212		50	172-258
579620	1-4	1	94	579845	1	10	45	580432EX	1	1	258	581250		10	114-123-163-170-257	582216		50	172-258
579621	1-4	1	94	579846		1	428	580440EX	1	1	258	581263		5	114-123-163-170-257	582220		50	172-258
579622	1-4	1	87	579847	4-1	10	45-50	580450EX	1	1	258	581312		1	170	582225		25	172-258
579623	4-1	1	87	579848		1	45	580463EX	1	1	258	581312EX		1	257	582232		20	172-258
579631	1-4	1	87	579849		1	45	581012	4-1	100	170	581316		1	170	582240		10	172-258
579640	4-1	1	94	579850		1	47-85	581012EX	1	50	257	581316EX		1	257	582250		10	172-258
579641	1-4	1	94	579852	4-1	1	46	581016	4-1	50	170	581320		1	170	582263		5	172-258
579642	4-1	1	94	579853	1-4	1	46	581016EX	1	50	257	581325		1	170	582312		100	172
579702	4-8-1	1	47	579854	1-4	1	46	581020	4-1	50	170	581325EX		1	257	582316		100	172
579703	8-1-4	1	47	579860	1-4	1	45-50	581020EX	1	50	257	58132EX0		1	257	582320		100	172
579708	4-1	1	84	579863	4-1-8	1	46	581025	4-1	25	170	581332		1	170	582325		100	172
579709	1-4	1	84	579865	8-1-4	1	46	581025EX	1	20	257	581332EX		1	257	582332		50	172
579710	8-4-1	1	84	579901		1	95	581032	1-4	20	170	581340		1	170	582340		50	172
579711	4-8-1	1	84	579902		1	87	581032EX	1	20	257	581340EX		1	257	582350		25	172
579712	1-4-8	1	84	579904		20	48-85	581040	4-1	10	170	581350		1	170	582363		25	172
579713		1	82	579910		1	87	581040EX	1	20	257	581350EX		1	257	585408	1	10	293-426
579714		1	82	579920		1	87	581050	4-1	5	170	581363		1	170	585412	1	10	293-426
579715	1	1	80	580051		5	432	581050EX	1	10	257	581363EX		1	257	585415	1	10	293-426
579716		1	82	580052		5	432	581063	1-4	5	170	582012	4-1	100	138-172	585480	1	10	293-426
579717		1	82	580054		5	432	581063EX	1	5	257	582016	4-1	50	138-172	585490		10	293-426
579718		1	93	580211		1	171	581112	4-1	100	114-123-163-170	582020	4-1	50	138-172	590002		5	432

Marks: 1=CE CE 2=IMQ 3=IR.i.n.a. 4=UKCA 5=ENEC 6=CEX 7=DEKRA DEKRA 8=RETIE 9=KEMA 10=EX 11=SIHsrtael 12=EAC



Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page
590004		1	432	614102	4-1	1	219	630013	4-1	24	50	641216	1	1	432	676003	4-1	1	227
590020	4-1	5	204	614103	1-4	1	219	630021		20	51	643216	1	10	432	676004	4-1	1	227
590021		1	209	614104	1-4	1	219	630022		8	51	644001	1-4	1	214	676101	4-1	1	227
590025	4-1	1	204	614105	1-4	1	219	630030	4-1	16	52	644002	1-4	1	214	676102	1-4	1	227
<b>6</b>				614106	1-4	1	219	630031	1-4	16	52	644003	4-1	1	214	677001	4-1	1	227
601532	1-4	1	222	614107	1-4	1	219	630035	4-1	16	53	644004	1-4	1	214	677002	4-1	1	227
601540		1	215	615001	1-4	1	220	630036	1-4	20	53	644005	1-4	1	214	677003	1-4	1	227
601563	4-1	1	222	615002	4-1	1	220	630040	1	16	53	644006	1-4	1	214	677004	4-1	1	227
601632	1-4	1	222	615003	4-1	1	220	630041	1	16	53	644010	4-1	1	214	677101	4-1	1	227
601663	1-4	1	222	615004	4-1	1	220	630042	1	16	53	644101	4-1	1	214	677102	4-1	1	227
604101	4-1	1	220	615005	1-4	1	220	630050	1	16	51	644102	4-1	1	214	678001	1-4	1	227
604102	1-4	1	220	615101	4-1	1	219	630051	1	8	51	644103	1-4	1	214	678002	1-4	1	227
604103	1-4	1	220	615102	4-1	1	219	630052	1	8	51	644104	4-1	1	214	678101	4-1	1	227
604104	4-1	1	220	615103	1-4	1	219	630053	1	8	52	644105	4-1	1	214	678102	1-4	1	227
604105	4-1	1	220	615104	4-1	1	219	630054	1	8	52	644106	4-1	1	214	685001	4-1	1	227
604106	4-1	1	220	615105	4-1	1	219	630055	1	8	51	644110	4-1	1	214	685002	1-4	1	227
604107	4-1	1	220	615106	4-1	1	219	630056	1-4	8	51	658529		1	53	686001	1-4	1	227
604108	1-4	1	220	615107	4-1	1	219	630058		16	51	670010	4-1	1	225	686002	4-1	1	227
605101	4-1	1	220	616001	1-4	1	220	630070	1	16	53	670011	1-4	1	225	686003	4-1	1	227
605102	1-4	1	220	616002	1-4	1	220	630071	1	16	53	670012	1-4	1	225	686004	1-4	1	227
605103	4-1	1	220	616003	1-4	1	220	630080	1	20	53	670013	1-4	1	225	687001	4-1	1	227
605104	1-4	1	220	616004	1-4	1	220	630081	1	20	53	670030	4-1	1	224	687002	4-1	1	227
605105	4-1	1	220	616005	1-4	1	220	630082	1	20	53	670031	4-1	1	224	687003	4-1	1	227
605106	4-1	1	220	616006	4-1	1	220	630085	1	4	53	670032	1-4	1	224	687004	4-1	1	227
605107	1-4	1	220	616007	1-4	1	220	630090		100	53	670033	1-4	1	224	688001	4-1	1	227
605108	1-4	1	220	616008	4-1	1	220	630091	1	200	53	670040	4-1	1	224	688002	4-1	1	227
606101	1-4	1	220	616009	4-1	1	220	634001	1-4	1	215	670041	1-4	1	224	<b>7</b>			
606102	1-4	1	220	616101	4-1	1	219	634002	4-1	1	215	670042	1-4	1	224	700124	4-2-1-2-8	10	36
606103	4-1	1	220	616102	1-4	1	219	634004	1-4	1	215	670043	1-4	1	224	700126	2-1-8-2-4	40	36
606104	4-1	1	220	616103	1-4	1	219	634005	4-1	1	215	670044	4-1	1	224	700129	2-8-1-4-2	5	36
606105	1-4	1	220	616104	1-4	1	219	634006	4-1	1	215	670060	1-4	1	224	700134	2-4-8-2-1	5	36
606106	1-4	1	220	616105	1-4	1	219	634010	1-4	1	215	670061	4-1	1	224	700136	1-4-2-2-8	30	36
606107	1-4	1	220	616106	4-1	1	219	634100	4-8-1	1	215	670062	4-1	1	224	700139	2-8-1-2-4	5	36
606108	4-1	1	220	616107	1-4	1	219	634101	1-4	1	215	670063	1-4	1	224	700144	4-2-2-1-8	5	36
610012	1-4	1	219	616108	1-4	1	219	634102	4-1	1	215	670130	4-1	1	225	700146	2-8-4-2-1	20	36
610606	4-1	1	219	616109	4-1	1	219	634104	1-4	1	215	670140	4-1	1	225	700149	4-2-2-8-1	5	36
614001	1-4	1	220	616110	1-4	1	219	634105	4-1	1	215	675001	1-4	1	227	700224	2-2-1-8-4	5	36
614002	4-1	1	220	630001	1-4	36	50	634106	4-1	1	215	675002	1-4	1	227	700226	1-4-2-8-2	5	36
614003	4-1	1	220	630002	4-1	36	50	634110	4-1	1	215	675101	4-1	1	227	700229	4-2-8-2-1	5	36
614004	1-4	1	220	630003	4-1	24	50	638040	1-4	1	215	675102	4-1	1	227	700234	2-2-4-8-1	5	36
614005	4-1	1	220	630011	4-1	30	50	638041	4-1	1	215	676001	1-4	1	227	700236	8-4-2-2-1	20	36
614101	4-1	1	219	630012	1-4	30	50	638042	1-4	1	215	676002	4-1	1	227	700239	4-1-2-2-8	5	36

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Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page
700244	2-8-2-4-1	5	36	720249	8-2-2-4-1	5	36	760129	8-4-1	1	60	760324EX	1-6-10	1	239	762226	8-4-1	1	60
700246	1-8-2-2-4	20	36	725124	8-1-4	10	36	760129EX	6-1-10	1	239	760326	8-1-4	1	60	762236	4-8-1	1	60
700249	2-1-4-8-2	5	36	725126	1-4-8	10	36	760134	8-4-1	1	60	760326EX	6-10-1	1	239	762246	8-1-4	1	60
705124	4-1-8	10	36	725136	4-8-1	10	36	760134EX	6-10-1	1	239	760329	4-8-1	1	60	762336	1-8-4	1	60
705126	8-4-1	10	36	725146	4-8-1	10	36	760136	1-4-8	10	60	760329EX	1-6-10	1	239	762346	1-8-4	1	60
705136	8-1-4	10	36	725226	4-1-8	5	36	760136EX	1-6-10	1	239	760334	8-1-4	1	60	762436	1-4-8	1	60
705146	8-1-4	10	36	725236	8-4-1	5	36	760137	1-4-8	1	60	760334EX	6-1-10	1	239	762446	8-1-4	1	60
705226	4-1-8	5	36	725246	4-8-1	5	36	760137EX	6-1-10	1	239	760336	4-1-8	1	60	763124	1-8-4	1	60
705236	1-8-4	5	36	730124	1-4-8	10	37	760139	4-1-8	1	60	760336EX	1-10-6	1	239	763126	1-8-4	1	60
705246	4-8-1	5	36	730126	4-8-1	20	37	760139EX	6-1-10	1	239	760337	8-4-1	1	60	763136	8-4-1	1	60
710124	4-1-8	10	37	730136	1-4-8	15	37	760144	1-8-4	1	60	760337EX	10-1-6	1	239	763146	4-1-8	1	60
710126	8-1-4	30	37	730146	4-1-8	15	37	760144EX	6-1-10	1	239	760339	8-1-4	1	60	763224	4-1-8	1	60
710136	4-8-1	20	37	730224	1-8-4	6	37	760146	8-1-4	10	60	760339EX	10-1-6	1	239	763226	4-8-1	1	60
710146	1-8-4	15	37	730226	1-4-8	6	37	760146EX	1-10-6	1	239	760344	8-1-4	1	60	763236	4-8-1	1	60
710156	1-4	1	37	730236	8-1-4	10	37	760147	1-4-8	1	60	760344EX	1-10-6	1	239	763246	8-1-4	1	60
710166	4-1	1	37	730246	8-1-4	10	37	760147EX	1-6-10	1	239	760346	4-1-8	1	60	763336	4-8-1	1	60
710224	1-8-4	6	37	730326	4-8-1	2	37	760149	1-8-4	1	60	760346EX	10-6-1	1	239	763346	8-1-4	1	60
710226	1-8-4	6	37	730336	1-4-8	5	37	760149EX	6-10-1	1	239	760347	1-4-8	1	60	763436	8-4-1	1	60
710236	1-4-8	15	37	730346	4-8-1	5	37	760224	1-8-4	1	60	760347EX	6-10-1	1	239	763446	8-1-4	1	60
710246	4-1-8	10	37	740001	4-1	10	38	760224EX	6-1-10	1	239	760349	4-1-8	1	60	766124	1-4-8	1	60
710256	1-4	1	37	740002	4-1	10	38	760226	1-8-4	1	60	760349EX	1-10-6	1	239	766126	8-4-1	1	60
710266	1-4	1	37	740003	1-4	10	38	760226EX	6-1-10	1	239	760434	8-1-4	1	60	766136	4-1-8	1	60
710326	4-8-1	2	37	740101	1-4	10	38	760229	4-8-1	1	60	760436	8-4-1	1	60	766146	1-8-4	1	60
710336	8-4-1	5	37	750530	1-8	1	70-140	760229EX	10-1-6	1	239	760437	4-8-1	1	60	766224	1-4-8	1	60
710346	1-4-8	5	37	750550	8-1	1	70-140	760233	4-1-8	1	60-290	760439	8-4-1	1	60	766226	4-8-1	1	60
720124	8-2-2-4-1	5	36	750650	1-8	1	70-140	760234	4-8-1	1	60	760444	1-8-4	1	60	766236	1-8-4	1	60
720126	1-4-8-2-2	30	36	750750	8-1	1	70-140	760234EX	6-10-1	1	239	760446	4-8-1	1	60	766246	1-4-8	1	60
720129	1-8-2-2-4	5	36	751530	8-1	1	70	760236	1-8-4	5	60	760447	1-8-4	1	60	766336	8-4-1	1	60
720134	2-8-2-1-4	5	36	751550	8-1	1	70	760236EX	6-10-1	1	239	760449	1-4-8	1	60	766346	1-4-8	1	60
720136	8-2-2-4-1	20	36	751650	8-1	1	70	760237	1-4-8	1	60	760530	1-8	1	70	766436	4-1-8	1	60
720139	4-1-8-2-2	5	36	751750	8-1	1	70	760237EX	6-1-10	1	239	760550	8-1	1	70	766446	1-4-8	1	60
720144	1-4-8-2-2	5	36	752126	1-4	1	38	760239	8-1-4	1	60	760650	8-1	1	70	769120	1-4	1	61
720146	8-1-2-2-4	20	36	752136	4-1	1	38	760239EX	10-1-6	1	239	760750	8-1	1	70	769121	1-4	1	61
720149	2-8-4-1-2	5	36	752146	4-1	1	38	760244	4-8-1	1	60	761530	8-1	1	70	769122	1-4	1	61
720224	1-4-8-2-2	5	36	753126	1-4	1	38	760244EX	6-1-10	1	239	761550	1-8	1	70	769123	1-4	1	61
720226	4-1-2-2-8	5	36	753136	1-4	1	38	760246	1-4-8	5	60	761650	1-8	1	70	769124	4-8-1	1	61
720229	8-4-2-1-2	5	36	753146	1-4	1	38	760246EX	10-6-1	1	239	761750	1-8	1	70	769126	4-1-8	1	61
720234	1-4-2-8-2	5	36	753236	4-1	1	38	760247	8-1-4	1	60	762124	8-4-1	1	60	769127	8-4-1	1	61
720236	2-8-4-2-1	15	36	760124	4-1-8	1	60	760247EX	10-6-1	1	239	762126	1-8-4	1	60	769128	4-1	1	61
720239	2-1-8-4-2	5	36	760124EX	10-1-6	1	239	760249	4-1-8	1	60	762136	4-8-1	1	60	769129	8-1-4	1	61
720244	8-1-2-4-2	5	36	760126	8-1-4	10	60	760249EX	10-6-1	1	239	762146	4-8-1	1	60	769130	1-4	1	61
720246	8-2-4-1-2	15	36	760126EX	10-1-6	1	239	760324	4-1-8	1	60	762224	8-1-4	1	60	769131	4-1-8	1	61





Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page
769132	1-4	1	61	769246	1-8-4	1	61	769432	8-1-4	1	61	770329	1-8-4	1	62	772329	4-8-1	1	62
769133	4-1-8	1	61	769247	4-1-8	1	61	769433	8-1-4	1	61	770334	4-1-8	1	62	772334	4-1-8	1	62
769134	8-4-1	1	61	769249	4-1-8	1	61	769434	8-1-4	1	61	770336	4-8-1	1	62	772336	8-1-4	1	62
769135	4-1-8	1	61	769320	1-4	1	61	769435	1-8-4	1	61	770337	1-8-4	1	62	772337	8-1-4	1	62
769136	4-8-1	1	61	769321	1-4	1	61	769436	4-8-1	1	61	770339	4-8-1	1	62	772339	1-4-8	1	62
769137	8-4-1	1	61	769322	1-4	1	61	769437	8-4-1	1	61	770344	4-1-8	1	62	772344	1-8-4	1	62
769138	4-1	1	61	769323	4-1	1	61	769438	8-4-1	1	61	770346	8-4-1	1	62	772346	8-4-1	1	62
769139	8-4-1	1	61	769324	4-8-1	1	61	769439	1-4-8	1	61	770347	4-1-8	1	62	772347	4-8-1	1	62
769140	1-4	1	61	769326	1-4-8	1	61	769440	1-4-8	1	61	770349	1-8-4	1	62	772349	8-1-4	1	62
769141	8-1-4	1	61	769327	4-1-8	1	61	769441	4-1-8	1	61	770434	1-8-4	1	62	772434	8-1-4	1	62
769142	1-4	1	61	769328	1-4	1	61	769442	4-1-8	1	61	770436	4-8-1	1	62	772436	1-8-4	1	62
769143	8-4-1	1	61	769329	4-8-1	1	61	769443	1-4-8	1	61	770437	8-4-1	1	62	772437	1-8-4	1	62
769144	8-4-1	1	61	769330	1-4	1	61	769444	1-8-4	1	61	770439	4-8-1	1	62	772439	4-1-8	1	62
769145	1-8-4	1	61	769331	8-4-1	1	61	769445	4-8-1	1	61	770444	8-1-4	1	62	772444	1-8-4	1	62
769146	8-1-4	1	61	769332	1-4	1	61	769446	4-8-1	1	61	770446	8-1-4	1	62	772446	1-8-4	1	62
769147	1-8-4	1	61	769333	1-8-4	1	61	769447	8-1-4	1	61	770447	8-1-4	1	62	772447	8-1-4	1	62
769149	8-4-1	1	61	769334	4-1-8	1	61	769449	1-8-4	1	61	770449	8-4-1	1	62	772449	1-4-8	1	62
769220	1-4	1	61	769335	1-4-8	1	61	770124	8-4-1	1	62	772124	4-8-1	1	62	773124	8-4-1	1	63
769221	4-1	1	61	769336	4-8-1	1	61	770126	4-1-8	10	62	772126	4-1-8	10	62	773126	4-1-8	10	63
769222	4-1	1	61	769337	1-8-4	1	61	770129	8-4-1	1	62	772129	8-1-4	1	62	773129	4-1-8	1	63
769223	4-1	1	61	769338	1-4	1	61	770134	1-8-4	1	62	772134	1-8-4	1	62	773134	4-8-1	1	63
769224	8-1-4	1	61	769339	4-8-1	1	61	770136	4-1-8	10	62	772136	4-1-8	1	62	773136	8-4-1	1	63
769226	1-4-8	1	61	769340	1-4	1	61	770137	8-4-1	1	62	772137	8-4-1	1	62	773137	8-1-4	1	63
769227	4-8-1	1	61	769341	4-1-8	1	61	770139	4-8-1	1	62	772139	4-8-1	1	62	773139	4-8-1	1	63
769228	4-1	1	61	769342	4-1	1	61	770144	8-4-1	1	62	772144	4-1-8	1	62	773144	1-8-4	1	63
769229	8-1-4	1	61	769343	4-1-8	1	61	770146	8-1-4	10	62	772146	8-4-1	1	62	773146	4-8-1	1	63
769230	1-4	1	61	769344	8-1-4	1	61	770147	1-8-4	1	62	772147	1-8-4	1	62	773147	8-4-1	1	63
769231	8-1-4	1	61	769345	1-8-4	1	61	770149	1-4-8	1	62	772149	8-1-4	1	62	773149	4-8-1	1	63
769232	1-4	1	61	769346	8-4-1	1	61	770224	1-4-8	1	62	772224	1-4-8	1	62	773224	4-8-1	1	63
769233	8-4-1	1	61	769347	8-1-4	1	61	770226	8-4-1	1	62	772226	8-1-4	1	62	773226	4-1-8	1	63
769234	4-8-1	1	61	769349	8-4-1	1	61	770229	1-4-8	1	62	772229	4-8-1	1	62	773229	4-8-1	1	63
769235	1-8-4	1	61	769420	8-1-4	1	61	770233	1-4	1	62-290	772233	1-4-8	1	62-290	773233	4-8-1	1	63
769236	8-4-1	1	61	769421	4-8-1	1	61	770234	1-8-4	1	62	772234	8-4-1	1	62	773234	8-1-4	1	63
769237	8-1-4	1	61	769422	1-8-4	1	61	770236	1-4-8	5	62	772236	4-1-8	1	62	773236	8-1-4	1	63
769238	4-1	1	61	769423	4-1-8	1	61	770237	8-1-4	1	62	772237	1-8-4	1	62	773237	4-1-8	1	63
769239	8-1-4	1	61	769424	4-1-8	1	61	770239	8-1-4	1	62	772239	1-4-8	1	62	773239	8-4-1	1	63
769240	1-4	1	61	769426	4-8-1	1	61	770244	1-8-4	1	62	772244	1-8-4	1	62	773244	1-4-8	1	63
769241	4-1-8	1	61	769427	4-8-1	1	61	770246	1-8-4	5	62	772246	4-1-8	1	62	773246	1-8-4	1	63
769242	1-4	1	61	769428	8-4-1	1	61	770247	1-8-4	1	62	772247	1-4-8	1	62	773247	8-1-4	1	63
769243	4-8-1	1	61	769429	4-8-1	1	61	770249	1-4-8	1	62	772249	4-8-1	1	62	773249	8-1-4	1	63
769244	8-4-1	1	61	769430	4-8-1	1	61	770324	1-4-8	1	62	772324	8-1-4	1	62	773324	4-8-1	1	63
769245	8-4-1	1	61	769431	8-4-1	1	61	770326	8-4-1	1	62	772326	8-4-1	1	62	773326	1-8-4	1	63

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Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page
773329	4-8-1	1	63	776329	8-1-4	1	63	779146	1-8-4	1	64	779332	4-1	1	64	779446	1-8-4	1	64
773334	1-4-8	1	63	776334	4-8-1	1	63	779147	4-1-8	1	64	779333	8-1-4	1	64	779447	4-1-8	1	64
773336	1-4-8	1	63	776336	1-4-8	1	63	779149	4-1-8	1	64	779334	8-4-1	1	64	779449	8-1-4	1	64
773337	1-4-8	1	63	776337	4-1-8	1	63	779220	1-4	1	64	779335	4-8-1	1	64	791002		5	151
773339	4-1-8	1	63	776339	1-4-8	1	63	779221	4-1	1	64	779336	4-8-1	1	64	791207		1	151
773344	8-1-4	1	63	776344	8-1-4	1	63	779222	1-4	1	64	779337	1-4-8	1	64	791208		1	151
773346	4-8-1	1	63	776346	8-1-4	1	63	779223	1-4	1	64	779338	1-4	1	64	791209		1	151
773347	4-1-8	1	63	776347	1-8-4	1	63	779224	1-8-4	1	64	779339	1-8-4	1	64	791210		1	151
773349	1-4-8	1	63	776349	1-4-8	1	63	779226	1-8-4	1	64	779340	4-1	1	64	791234		5	151
773434	8-4-1	1	63	776434	4-1-8	1	63	779227	4-1-8	1	64	779341	4-1-8	1	64	791236		1	151
773436	1-4-8	1	63	776436	4-1-8	1	63	779228	1-4	1	64	779342	4-1	1	64	<b>8</b>			
773437	1-4-8	1	63	776437	8-4-1	1	63	779229	1-4-8	1	64	779343	4-8-1	1	64	800061	4-8-1	6	202
773439	4-1-8	1	63	776439	8-4-1	1	63	779230	1-4	1	64	779344	8-4-1	1	64	800062	1-4-8	6	202
773444	1-4-8	1	63	776444	4-8-1	1	63	779231	8-1-4	1	64	779345	8-4-1	1	64	800063	8-1-4	6	202
773446	1-8-4	1	63	776446	1-4-8	1	63	779232	1-4	1	64	779346	4-8-1	1	64	800064	8-1-4	6	202
773447	1-4-8	1	63	776447	8-1-4	1	63	779233	8-1-4	1	64	779347	4-8-1	1	64	800071	1-4-8	1	206
773449	1-4-8	1	63	776449	1-4-8	1	63	779234	1-4-8	1	64	779349	4-8-1	1	64	800072	4-1-8	1	206
776124	8-1-4	1	63	779120	1-4	1	64	779235	1-4-8	1	64	779420	8-4-1	1	64	800073	4-8-1	1	206
776126	8-1-4	1	63	779121	1-4	1	64	779236	8-1-4	1	64	779421	8-4-1	1	64	800074	8-4-1	1	206
776129	8-4-1	1	63	779122	4-1	1	64	779237	4-8-1	1	64	779422	1-4-8	1	64	800091		10	432
776134	1-4-8	1	63	779123	1-4	1	64	779238	1-4	1	64	779423	4-1-8	1	64	800092		10	432
776136	8-4-1	1	63	779124	8-1-4	1	64	779239	1-4-8	1	64	779424	1-4-8	1	64	800093		10	432
776137	8-4-1	1	63	779126	8-4-1	1	64	779240	4-1	1	64	779426	8-1-4	1	64	800094		10	432
776139	1-8-4	1	63	779127	8-4-1	1	64	779241	1-4-8	1	64	779427	1-8-4	1	64	800121	1-4	1	209
776144	8-1-4	1	63	779128	1-4	1	64	779242	1-4	1	64	779428	8-1-4	1	64	800122	4-1	1	209
776146	8-1-4	1	63	779129	4-1-8	1	64	779243	8-1-4	1	64	779429	4-1-8	1	64	800123	1-4	1	209
776147	1-8-4	1	63	779130	4-1	1	64	779244	1-4-8	1	64	779430	1-4-8	1	64	810020	1-4-12-5	1	333
776149	8-4-1	1	63	779131	4-8-1	1	64	779245	4-1-8	1	64	779431	8-4-1	1	64	810020HT	12-4-5-1	1	333
776224	8-4-1	1	63	779132	1-4	1	64	779246	8-4-1	1	64	779432	8-4-1	1	64	810021	12-5-4-1	1	333
776226	8-1-4	1	63	779133	4-8-1	1	64	779247	8-1-4	1	64	779433	8-1-4	1	64	810021HT	5-4-12-1	1	333
776229	8-4-1	1	63	779134	8-1-4	1	64	779249	1-4-8	1	64	779434	8-4-1	1	64	810022	4-5-12-1	1	333
776233	1-4-8	1	63	779135	8-4-1	1	64	779320	1-4	1	64	779435	1-8-4	1	64	810050	5-4-12-1	1	333
776234	4-1-8	1	63	779136	8-1-4	1	64	779321	4-1	1	64	779436	1-8-4	1	64	810050HT	12-5-4-1	1	333
776236	1-8-4	1	63	779137	8-1-4	1	64	779322	1-4	1	64	779437	4-8-1	1	64	810051	12-5-1-4	1	333
776237	1-4-8	1	63	779138	1-4	1	64	779323	1-4	1	64	779438	8-1-4	1	64	810051HT	5-12-1-4	1	333
776239	1-4-8	1	63	779139	4-8-1	1	64	779324	4-1-8	1	64	779439	4-1-8	1	64	810052	5-4-1-12	1	333
776244	8-1-4	1	63	779140	4-1	1	64	779326	8-4-1	1	64	779440	1-4-8	1	64	810060		1	359
776246	8-1-4	1	63	779141	1-8-4	1	64	779327	1-4-8	1	64	779441	1-8-4	1	64	810071	1-4	1	358
776247	8-1-4	1	63	779142	1-4	1	64	779328	1-4	1	64	779442	4-8-1	1	64	810080	1-4-5-12	1	333
776249	4-1-8	1	63	779143	1-8-4	1	64	779329	1-4-8	1	64	779443	8-1-4	1	64	810080HT	5-1-4-12	1	333
776324	8-4-1	1	63	779144	4-1-8	1	64	779330	4-1	1	64	779444	1-4-8	1	64	810081	1-12-4-5	1	333
776326	1-8-4	1	63	779145	4-8-1	1	64	779331	4-8-1	1	64	779445	8-4-1	1	64	810081HT	4-5-12-1	1	333



Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page	Palazzoli code	Marks	Pack Qty	Catalogue page
810082	5-1-12-4	1	333	810460DA	1-4	1	331	811512	1-5-4	1	409	811947		1	411	812942L		1	411
810090	12-5-4-1	1	333	810460EX	1-6-10	1	389	811514	4-1	1	409	811948		1	411	812942M		1	411
810090HT	1-4-5-12	1	333	810460HT	1-4	1	331	811515	1-5-4	1	409	812060		1	359	812943L		1	411
810091	5-1-4-12	1	333	810461DA	1-4	1	331	811900		1	410	812071	4-1	1	358	812943M		1	411
810091HT	12-4-5-1	1	333	810461EX	1-6-10	1	389	811901		1	410	812100		1	359	812944L		1	411
810092	1-4-5-12	1	333	810461HT	1-4	1	331	811902		1	410	812171	4-1	1	358	812944M		1	411
810100		1	359	810462DA	4-5-1	1	331	811903		1	410	812200		1	359	812945L		1	411
810120	1-4-5-12	1	333	810463DA	1-5-4	1	331	811904		1	410	812271	1-4	1	358	812945M		1	411
810150	4-1-5-12	1	333	810630DA	5-4-1	1	331	811905		1	410	812418	1-5	1	409	812946L		1	411
810171	1-4	1	358	810631DA	5-4-1	1	331	811906		1	410-410	812424	1-5	1	409	812946M		1	411
810180	12-1-4	1	333	810640DA	1-4-5	1	331	811908		1	307-317-369-375	812430	1-5	1	409	812947L		1	411
810190	4-1-12	1	333	810641DA	4-1-5	1	331	811911		1	307-369-375	812436	1-5	1	410	812947M		1	411
810200		1	359	810650DA	5-1-4	1	331	811912		1	307-369-375	812442	5-1	1	410	812948L		1	411
810226	12-5-4-1	1	317	810651DA	4-1-5	1	331	811914		1	307-369-375	812448	1-5	1	410	812948M		1	411
810256	12-1-4-5	1	317	810660DA	1-4-5	1	331	811916		1	340-385	812518	4-5-1	1	409	812988	1-4	1	358
810271	4-1	1	358	810661DA	1-4-5	1	331	811919		1	340-385	812524	5-1-4	1	409	813001	1	1	420
810286	4-12-5-1	1	317	810991	1-4	1	334	811920		1	340-385	812530	5-4-1	1	409	813060		1	359
810296	5-1-12-4	1	317	810992	1-4	1	334	811921		1	340-385	812536	5-1-4	1	410	813071	1-4	1	358
810430DA	5-1-4	1	331	810993		1	317-317	811923	4-1	1	340	812542	1-5-4	1	410	813100		1	359
810430EX	1-10-6	1	389	810994		1	334-389	811924	1-4	1	340	812548	1-4-5	1	410	813101		1	420
810430HT	1-4-5	1	331	810995		1	334-389	811925		1	410	812931L		1	411	813171	1-4	1	358
810431DA	5-1-4	1	331	810996		1	334-389	811926		1	410	812931M		1	411	813200		1	359
810431EX	10-1-6	1	389	810997		1	334-389	811927		1	410	812932L		1	411	813271	1-4	1	358
810431HT	1-5-4	1	331	810998		1	334-389	811928		1	410	812932M		1	411	814052		1	358-425
810432DA	1-5-4	1	331	810999		1	334-389	811929		1	410	812933L		1	411	815161		1	425
810433DA	5-4-1	1	331	811060		1	359	811930		1	410	812933M		1	411	817021EX		1	369
810440DA	4-5-1	1	331	811071	4-1	1	358	811931		1	411	812934L		1	411	817022EX		1	369
810440EX	6-10-1	1	389	811100		1	359	811932		1	411	812934M		1	411	817023EX		1	369
810440HT	4-1-5	1	331	811171	1-4	1	358	811933		1	411	812935L		1	411	817024EX		1	369
810441DA	1-4-5	1	331	811200		1	359	811934		1	411	812935M		1	411	817031EX		1	385
810441EX	6-10-1	1	389	811271	4-1	1	358	811935		1	411	812936L		1	411	817032EX		1	385
810441HT	4-5-1	1	331	811404	5-1	1	409	811936		1	411	812936M		1	411	817033EX		1	385
810442DA	5-4-1	1	331	811406	1-5	1	409	811937		1	411	812937L		1	411	817034EX		1	385
810443DA	1-4-5	1	331	811408	5-1	1	409	811938		1	411	812937M		1	411	817221EX		1	369
810450DA	4-1	1	331	811409	1	1	409	811939		1	411	812938L		1	411	817222EX		1	369
810450EX	10-6-1	1	389	811412	1-5	1	409	811940		1	411	812938M		1	411	817223EX		1	369
810450HT	1-4	1	331	811414	5-1	1	409	811941		1	411	812939L		1	411	817224EX		1	369
810451DA	1-4	1	331	811415	1	1	409	811942		1	411	812939M		1	411	817304	12-5-1-4	1	339
810451EX	1-6-10	1	389	811504	1-4	1	409	811943		1	411	812940L		1	411	817304DA	1-4-12-5	1	339
810451HT	4-1	1	331	811506	1-4	1	409	811944		1	411	812940M		1	411	817304HT	5-12-4-1	1	339
810452DA	1-4	1	331	811508	1-4	1	409	811945		1	411	812941L		1	411	817305	12-1-4-5	1	339
810453DA	1-5-4	1	331	811509	5-4-1	1	409	811946		1	411	812941M		1	411	817308	1-4-12-5	1	339

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817308DA	4-12-5-1	1	339	817524	5-12-4-1	1	339	819428HT	1-4-5	1	345	821183	1-12-4	1	323	821672EX	10-1-6	1	381
817308HT	5-1-4-12	1	339	818021EX		1	373	819432HT	4-1-5	1	345	821184	4-1-7	1	326-355	821673EX	10-1-6	1	381
817309	12-1-5-4	1	339	818022EX		1	373	819440HT	5-1-4	1	346	821190EX	6-1-10	1	383	821682	4-12-1	1	323
817312	12-1-5-4	1	339	818023EX		1	373	819448HT	4-1-5	1	346	821192EX	6-10-1	1	383	821770EX	10-1-6	1	381
817312DA	12-1-4-5	1	339	818024EX		1	373	819528DA	5-4-1	1	345	821193EX	6-1-10	1	383	821772EX	10-6-1	1	381
817312HT	5-12-4-1	1	339	818031EX		1	387	819528VHT	1-4	1	345	821270EX	1-6-10	1	381	821773EX	6-1-10	1	381
817313	4-5-12-1	1	339	818032EX		1	387	819532DA	5-1-4	1	345	821272EX	10-6-1	1	381	821782	5-12-1-4	1	324
817316	4-1-5-12	1	339	818033EX		1	387	819532VHT	1-4	1	345	821273EX	10-1-6	1	381	822131	1-4	1	355
817316DA	12-1-5-4	1	339	818034EX		1	387	819540DA	4-1-5	1	346	821280	1-12-4	1	323	822131EX	1-10-6	1	393
817316HT	5-4-1-12	1	339	818221EX		1	373	819540VHT	4-1	1	346	821282	12-5-1-4	1	323	822132	4-1	1	355
817317	12-4-5-1	1	339	818222EX		1	373	819548DA	1-5-4	1	346	821283	4-12-1	1	323	822132EX	10-1-6	1	393
817320	4-5-1-12	1	339	818223EX		1	373	819548VHT	4-1	1	346	821290EX	1-10-6	1	383	822181EX	6-10-1-10	1	391
817320DA	5-4-12-1	1	339	818224EX		1	373	819994		1	347-387	821292EX	1-6-10	1	383	822182	1-4-12-5	1	323
817320HT	1-5-4-12	1	339	818905		1	307-315-317-326-334-340-347	819995		1	347	821293EX	1-6-10	1	383	822182EX	10-6-1-10	1	391
817321	12-1-5-4	1	339	818990		1	315-373-377	819996		1	347	821372EX	10-1-6	1	381	822211	1	1	355
817324	1-12-4-5	1	339	818991		1	315-373-377	819997		1	347	821380	12-1-4	1	325	822231	4-1	1	355
817324DA	1-5-4-12	1	339	818992		1	315-373-377	820000		1	355-393	821382	12-1-5-4	1	324	822231EX	6-1-10	1	393
817324HT	1-12-4-5	1	339	818993		1	315	820001		1	355-393	821382DA	12-1-4-5	1	324	822232	4-1	1	355
817325	4-1-5-12	1	339	819001		1	435	820002		1	355	821382HT	4-1-12-5	1	325	822232EX	10-1-6	1	393
817354	5-12-4-1	1	339	819012		1	359-425	820003		1	355	821383	1-12-4	1	325	822281EX	1-10-6-10	1	391
817358	12-5-4-1	1	339	819015		1	359	820006		1	355-393	821384	4-1-7	1	326-355	822282	1-4-12-5	1	323
817362	1-5-12-4	1	339	819017		1	359	820007		1	419-423	821390EX	10-6-1	1	383	822282EX	10-10-1-6	1	391
817366	12-1-5-4	1	339	819018		1	359	820010		1	326-391	821392EX	10-6-1	1	383	822382	1-5-12-4	1	324
817370	1-5-4-12	1	339	819019		1	359	820011		1	326-391	821393EX	10-1-6	1	383	822482	4-5-1-12	1	324
817374	5-12-4-1	1	339	819020		1	359	820016		1	326-391	821470EX	6-1-10	1	381	822582	4-5-1-12	1	324
817404	12-1-4-5	1	339	819022		1	359-426	820017		1	326-391	821472EX	1-6-10	1	381	822682	1-4-12-5	1	323
817408	12-1-5-4	1	339	819030		1	359-426	820018		1	326-391	821473EX	10-6-1	1	381	822782	4-5-1-12	1	324
817412	4-1-5-12	1	339	819040		1	435	820019		1	326-391	821480	4-1-12	1	325	822962	4-1	1	355
817416	4-5-1-12	1	339	819055		20	434	820020		1	434	821482	5-4-12-1	1	324	825132	4-1	1	355
817420	12-5-4-1	1	339	819056		10	434	820021		1	434	821482DA	12-1-4-5	1	324	825211	1	1	355
817424	12-5-1-4	1	339	819112		1	359	820022		1	434	821482HT	12-4-5-1	1	325	825232	4-1	1	355
817454	1-4-12-5	1	339	819120		1	359	820030		1	434	821483	4-12-1	1	325	825382	5-4-1-12	1	325
817458	1-4-5-12	1	339	819130		1	359-426	820031		1	434	821490EX	6-1-10	1	383	825482	12-1-4-5	1	325
817462	12-4-1-5	1	339	819140		1	435	820032		1	434	821492EX	6-1-10	1	383	825582	4-1-5-12	1	325
817466	12-1-4-5	1	339	819160		1	435	820382	4-1-5-12	1	325	821493EX	6-10-1	1	383	826182	1-4-5-12	1	323
817470	1-4-12-5	1	339	819212		1	359	820392EX	6-10-1	1	383	821572EX	10-1-6	1	381	826282	4-5-1-12	1	323
817474	12-4-1-5	1	339	819220		1	359	820482	1-5-12-4	1	325	821580	1-4-12	1	325	826380	1-4-12	1	325
817504	1-5-4-12	1	339	819230		1	359-426	820492EX	6-10-1	1	383	821582	12-1-4-5	1	324	826382	4-1-12-5	1	324
817508	5-1-4-12	1	339	819328DA	1-5-4	1	345	820582	1-4-12-5	1	325	821582DA	5-12-1-4	1	324	826382DA	12-1-4-5	1	324
817512	1-4-12-5	1	339	819332DA	4-1-5	1	345	821172EX	1-10-6	1	381	821582HT	1-12-4-5	1	325	826382HT	5-1-4-12	1	325
817516	12-5-4-1	1	339	819340DA	4-5-1	1	346	821180	12-4-1	1	323	821583	1-4-12	1	325	826383	12-4-1	1	325
817520	4-1-12-5	1	339	819348DA	5-4-1	1	346	821182	12-5-4-1	1	323	821670EX	6-10-1	1	381	826480	12-4-1	1	325



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826482	12-4-1-5	1	324	831075	1-7-4	1	357	833320MV	1-4	1	404	834311	1-4	1	404	834903		1	405
826482DA	12-5-1-4	1	324	831089		1	425	833321MV	4-1	1	404	834311MV	1-4	1	404	836001		1	351
826482HT	12-4-5-1	1	325	831091	4-7-1	1	357	833330MV	4-1	1	404	834320	1-4	1	404	836002		1	351
826483	12-1-4	1	325	831092	1-4-7	1	357	833331MV	1-4	1	404	834320MV	4-1	1	404	836101		1	353
826580	12-4-1	1	325	831095	1-4-7	1	357	833420MV	4-1	1	404	834321	1-4	1	404	836102		1	353
826582	4-1-5-12	1	324	831171	4-1-7	1	357	833421MV	4-1	1	404	834321MV	4-1	1	404	836103		1	353
826582DA	12-5-1-4	1	324	831172	1-7-4	1	357	833430MV	4-1	1	404	834330	1-4	1	404	837011	1-4	1	305
826582HT	1-4-5-12	1	325	831172EX	10-1	1	395	833431MV	1-4	1	404	834330MV	1-4	1	404	837012	4-1	1	305
826583	12-4-1	1	325	831175	4-7-1	1	357	833520MV	1-4	1	404	834331	1-4	1	404	837013	4-1	1	305
829001		1	413	831189		1	425	833521MV	1-4	1	404	834331MV	1-4	1	404	837021EX		1	375
829002		1	413	831191	7-1-4	1	357	833530MV	4-1	1	404	834410	4-1	1	404	837022EX		1	375
829003		1	413	831192	1-4-7	1	357	833531MV	4-1	1	404	834410MV	4-1	1	404	837023EX		1	375
829101		1	413	831195	7-1-4	1	357	833620MV	1-4	1	404	834411	4-1	1	404	837024	1-4	1	305
829102		1	413	831271	4-1-7	1	357	833621MV	1-4	1	404	834411MV	1-4	1	404	837024EX	1-10-6	1	375
829103		1	413	831272	4-7-1	1	357	833630MV	1-4	1	404	834420	4-1	1	404	837025	1-4	1	305
829110	1-4	1	413	831272EX	1-10	1	395	833631MV	4-1	1	404	834420MV	1-4	1	404	837111	4-1	1	305
829120	1-4	1	413	831275	4-1-7	1	357	834110	4-1	1	403	834421	1-4	1	404	837112	4-1	1	305
829130	1-4	1	413	831289		1	425	834110MV	4-1	1	403	834421MV	4-1	1	404	837113	4-1	1	305
829201		1	413	831291	4-7-1	1	357	834111	4-1	1	403	834430	4-1	1	404	837124	4-1	1	305
829202		1	413	831292	7-4-1	1	357	834111MV	4-1	1	403	834430MV	4-1	1	404	837125	4-1	1	305
829203		1	413	831295	4-7-1	1	357	834120	4-1	1	403	834431	1-4	1	404	837211	4-1	1	305
829211		1	413	831512		1	434	834120MV	4-1	1	403	834431MV	1-4	1	404	837212	4-1	1	305
829212		1	413	831513		1	306	834121	4-1	1	403	834510	1-4	1	404	837213	4-1	1	305
829221		1	413	831527		1	425	834121MV	1-4	1	403	834510MV	4-1	1	404	837221EX		1	375
829222		1	413	831540		1	434	834130	4-1	1	403	834511	1-4	1	404	837222EX		1	375
829231		1	413	831612		1	434	834130MV	4-1	1	403	834511MV	1-4	1	404	837223EX		1	375
829232		1	413	831627		1	425	834131	1-4	1	403	834520	4-1	1	404	837224	4-1	1	305
829233		1	413	831640		1	434-435	834131MV	1-4	1	403	834520MV	4-1	1	404	837224EX		1	375
829311		1	413	831712		1	434	834210	1-4	1	403	834521	4-1	1	404	837225	1-4	1	305
829312		1	413	831727		1	425	834210MV	4-1	1	403	834521MV	1-4	1	404	837311	4-1	1	306
829321		1	413	831740		1	434	834211	4-1	1	403	834530	4-1	1	404	837312	1-4	1	306
829322		1	413	831914	1-4	1	357	834211MV	4-1	1	403	834530MV	4-1	1	404	837313	1-4	1	306
829331		1	413	831934	1-4	1	357	834220	1-4	1	403	834531	4-1	1	404	837324	1-4	1	306
829332		1	413	831954	1-4	1	357	834220MV	4-1	1	403	834531MV	4-1	1	404	837325	1-4	1	306
829333		1	413	833120MV	1-4	1	403	834221	4-1	1	403	834610MV	1-4	1	404	837411	1-4	1	306
830071	1-7-4	1	357	833121MV	1-4	1	403	834221MV	1-4	1	403	834611MV	1-4	1	404	837412	4-1	1	306
830072	4-7-1	1	357	833130MV	1-4	1	403	834230	4-1	1	403	834620MV	1-4	1	404	837413	1-4	1	306
830072EX	1-10	1	395	833131MV	1-4	1	403	834230MV	4-1	1	403	834621MV	1-4	1	404	837424	4-1	1	306
830512		1	434	833220MV	4-1	1	403	834231	1-4	1	403	834630MV	4-1	1	404	837425	1-4	1	306
831071	7-1-4	1	357	833221MV	1-4	1	403	834231MV	4-1	1	403	834631MV	4-1	1	404	837511	1-4	1	306
831072	7-4-1	1	357	833230MV	1-4	1	403	834310	4-1	1	404	834901		1	405	837512	1-4	1	306
831072EX	1-10	1	395	833231MV	1-4	1	403	834310MV	1-4	1	404	834902		1	405	837524	4-1	1	306

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837525	4-1	1	306	838512DA	4-5-1	1	314	842182	1-12-4-5	1	323	850091		1	426	859412		1	357-425
837711	1-4	1	305	838514DA	1-4-5	1	314	842280	1-4	1	323	850143		1	425	878141	4-1-3	1	419
837712	4-1	1	305	838536DA	4-1-5	1	311	842282	12-5-4-1	1	323	850172		1	359-426	878142	3-4-1	1	419
837713	4-1	1	305	838548DA	5-1-4	1	311	842380	4-1	1	324	854110MV	4-1	1	403	878243	4-1-3	1	419
837724	4-1	1	305	838560DA	4-1-5	1	312	842382	4-1-12-5	1	324	854111MV	4-1	1	403	878741	1-4-3	1	419
837725	1-4	1	305	838572DA	5-4-1	1	312	842482	12-4-1-5	1	324	854120MV	4-1	1	403	878742	4-3-1	1	419
838012DA	1-5-4	1	314	838596DA	1-5-4	1	313	842682	1-4	1	323	854121MV	1-4	1	403	879062	3-4-1	1	423
838014DA	1-5-4	1	314	838712DA	5-1-4	1	314	842582	5-4-1-12	1	324	854130MV	1-4	1	403	879462	4-1-3	1	423
838021EX		1	377	838714DA	1-5-4	1	314	842782	4-1-12-5	1	324	854131MV	4-1	1	403	879562	1-4-3	1	423
838022EX		1	377	838736DA	1-5-4	1	311	845382	12-5-4-1	1	325	854210MV	4-1	1	403	881062	4-1-3	1	423
838023EX		1	377	838748DA	5-1-4	1	311	845482	1-4-5-12	1	325	854211MV	1-4	1	403	881562	1-3-4	1	423
838024EX		1	377	838760DA	1-4-5	1	312	845582	12-1-4-5	1	325	854220MV	1-4	1	403	<b>9</b>			
838036DA	4-5-1	1	311	838772DA	4-1-5	1	312	846182	12-1-5-4	1	323	854221MV	4-1	1	403	900253	4-1	1	210
838048DA	5-1-4	1	311	838796DA	5-1-4	1	313	846282	4-5-12-1	1	323	854230MV	4-1	1	403	900259		1	432
838060DA	5-1-4	1	312	840382	4-1-12-5	1	325	846382	5-12-4-1	1	324	854231MV	4-1	1	403	900263	4-1	1	210
838072DA	5-4-1	1	312	840392EX	1-10-6	1	383	846482	4-1-12-5	1	324	854310MV	1-4	1	404	900269		1	432
838096DA	1-4-5	1	313	840482	5-1-12-4	1	325	846582	5-12-1-4	1	324	854311MV	4-1	1	404	900273	1-4	1	210
838112DA	4-5-1	1	314	840492EX	10-6-1	1	383	847132	4-1	1	355	854320MV	4-1	1	404	900279		1	432
838114DA	1-5-4	1	314	840582	12-5-1-4	1	325	847211	1	1	355	854321MV	1-4	1	404	900448		1	210
838136DA	1-4-5	1	311	841011	4-1	1	423	847232	4-1	1	355	854330MV	4-1	1	404	900449	1	1	261
838148DA	5-4-1	1	311	841040	1	1	420	849011	1-4	1	423	854331MV	1-4	1	404	900453	1-4	1	210
838160DA	1-5-4	1	312	841062	3-4-1	1	423	849062	1-3-4	1	423	854410MV	1-4	1	404	900453EX	10-6-1-8	1	261
838172DA	1-4-5	1	312	841141	4-1-3	1	419	849141	4-3-1	1	419	854411MV	4-1	1	404	900459		1	432
838196DA	1-5-4	1	313	841142	3-4-1	1	419	849142	1-4-3	1	419	854420MV	4-1	1	404	900463	4-1	1	210
838212DA	1-5-4	1	314	841171	1-4	1	419	849171	4-1	1	419	854421MV	1-4	1	404	900463EX	6-10-1-8	1	261
838214DA	1-5-4	1	314	841182	1-5-12-4	1	323	849172	1-4	1	419	854430MV	4-1	1	404	900469		1	432
838221EX		1	377	841192EX	10-1-6	1	383	849243	4-1-3	1	419	854431MV	4-1	1	404	900473	1-4	1	210
838222EX		1	377	841243	4-3-1	1	419	849273	4-1	1	419	854510MV	4-1	1	404	900473EX	8-10-6-1	1	261
838223EX		1	377	841273	4-1	1	419	849411	1-4	1	423	854511MV	1-4	1	404	900479		1	432
838224EX		1	377	841282	4-5-1-12	1	323	849462	4-1-3	1	423	854520MV	1-4	1	404				
838236DA	1-4-5	1	311	841292EX	6-1-10	1	383	849511	1-4	1	423	854521MV	4-1	1	404				
838248DA	4-1-5	1	311	841382	5-12-1-4	1	324	849562	4-3-1	1	423	854530MV	1-4	1	404				
838260DA	5-4-1	1	312	841392EX	10-6-1	1	383	850045		1	425	854531MV	1-4	1	404				
838272DA	4-1-5	1	312	841411	1-4	1	423	850050		1	426	854610MV	4-1	1	404				
838296DA	4-1-5	1	313	841462	1-3-4	1	423	850054		2	425	854611MV	1-4	1	404				
838312DA	5-4-1	1	314	841482	5-4-12-1	1	324	850060		1	359-425	854620MV	1-4	1	404				
838314DA	4-5-1	1	314	841492EX	6-10-1	1	383	850061		1	359-425	854621MV	4-1	1	404				
838336DA	1-4-5	1	311	841562	4-1-3	1	423	850062		1	359-425	854630MV	1-4	1	404				
838348DA	5-4-1	1	311	841582	1-4-5-12	1	324	850063		1	359-425	854631MV	1-4	1	404				
838360DA	4-5-1	1	312	841682	1-5-12-4	1	323	850064		1	359-425	859180		1	435				
838372DA	1-4-5	1	312	841782	1-4-5-12	1	324	850080		1	435	859188		10	435				
838396DA	1-4-5	1	313	842180	1-4	1	323	850090		1	426	859400		1	359-426				



# GENERAL TERMS AND CONDITIONS OF SALE AND SUPPLY



To view the terms and conditions of the contracts scan the QR code.



## CONDITIONS OF SALE

**GENERAL CONDITIONS OF SALE AND SUPPLY**  
Validity Ref. of Rev. 01/2020 from 20 July 2020

### 1. INTRODUCTION

Unless specifically waived in writing, these General Conditions of Sale and Supply (hereinafter "General Conditions") constitute an integral part of all sale and supply contracts entered into by Palazzoli S.p.A. (hereinafter "Palazzoli" or the "Company") and the Customer is considered to have accepted them through the Order Confirmation. All Palazzoli offers, order confirmations, deliveries and invoices are governed by these General Conditions, unless explicitly and specifically waived by Palazzoli in writing. The Customer is considered to have accepted these General Conditions even if they differ from any general or specific purchase conditions issued by the Customer itself, which shall in no way be binding on Palazzoli, unless the latter has specifically approved them in writing.

The General Conditions are published on the Palazzoli website ([www.palazzoli.com](http://www.palazzoli.com)) and can be consulted and printed by Customers at any time.

Through the Order Confirmation, Customer declares to have viewed and fully accepted the contents of these General Conditions.

Palazzoli may update, supplement and/or amend these Conditions at any time, giving written notice of any such changes on its website ([www.palazzoli.com](http://www.palazzoli.com)). Any such updates, amendments and/or supplements shall apply to supply and sale. Orders received by Palazzoli on dates after that on which they were published on the website.

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Single-member company subject  
to coordination by LMH S.r.l.

**Palazzoli**

Tax code 04452750484  
VAT 03316260177  
Brescia Chamber of Commerce REA no. 356562  
Brescia Register of Companies no. 04452750484  
Mechanised processing code BS 058237  
Share Capital 5,096,000 Euro fully paid-up  
IQNET ISO 9001:2008



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Top Manufacture

Service excellence



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