

CATALOGUE
2023-2024

ELECTRICAL SYSTEMS

LIGHTING

Palalazzo

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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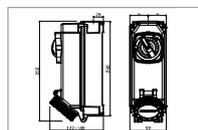
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SERVICES

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Spare parts



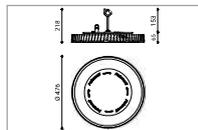
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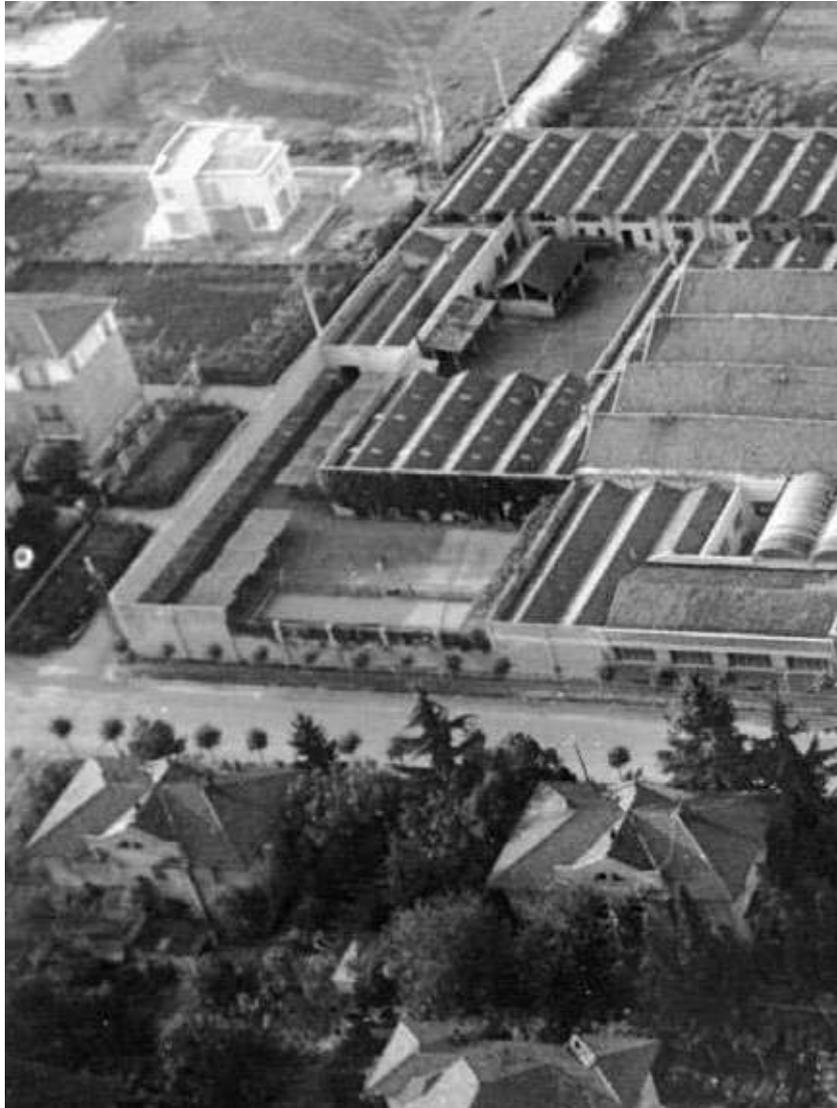


1904: the birth

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 CO₂
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.



Eurasian Economic Union (EEU) compliance, identifies that the product has been verified by a third party in accordance with EEU regulations.



Certification of compliance of equipment with European EN safety standards.



UK Conformity Assessed, identifies that the product has been assessed in accordance with UK regulations following Brexit.



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.



Device suitable for installation in environments with a potentially explosive atmosphere.



Registro Italiano Navale, maritime certification of products for installation in recreational vessels.



Resistant to ball strikes, suitable for installation in sports halls.



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.



The IP code classifies and evaluates the degree of protection provided by the casings against the ingress of solids and water.



The IK code is the degree of protection of the equipment against external mechanical impacts.



Insulation classes are defined by electrical safety standards and establish the protection characteristics of equipment against electrical shock.



Flicker (variation in light intensity over time) perceptible or not perceptible to the human eye.



Correlated colour temperature.



Device fitted with G13 connection for T8 fluorescent tubes.



Type of light source screw connection.



Indicates the possibility of shifting the position of the optics.



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



810630 DA

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	475124	1
	50/60Hz	110	●	3P+⊕	4	475134	1
	50/60Hz	110	●	3P+N+⊕	4	475144	1
entry F1	50/60Hz	230	●	2P+⊕	6	475126	1
	50/60Hz	230	●	3P+⊕	9	475139	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



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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

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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					
									
Rated current (A)	Rated voltage (V)	Poles	h ref.	page 36 Straight mobile plugs IP44	page 37 Straight mobile plugs IP67	page 36 Straight mobile socket-outlets IP44	page 37 Straight mobile socket-outlets IP67	page 36 Straight mobile plugs IP44	page 36 Straight mobile socket-outlets IP44
16	110 100-130	2P+⊕	4	700124	710124	720124	730124	705124	725124
		3P+⊕	4	700134		720134			
		3P+N+⊕	4	700144		720144			
	230 200-250	2P+⊕	6	700126	710126	720126	730126	705126	725126
		3P+⊕	9	700139		720139			
		3P+N+⊕	9	700149		720149			
	400 380-415	2P+⊕	9	700129		720129			
		3P+⊕	6	700136	710136	720136	730136	705136	725136
		3P+N+⊕	6	700146	710146	720146	730146	705146	725146
32	110 100-130	2P+⊕	4	700224	710224	720224	730224		
		3P+⊕	4	700234		720234			
		3P+N+⊕	4	700244		720244			
	230 200-250	2P+⊕	6	700226	710226	720226	730226	705226	725226
		3P+⊕	9	700239		720239			
		3P+N+⊕	9	700249		720249			
	400 380-415	2P+⊕	9	700229		720229			
		3P+⊕	6	700236	710236	720236	730236	705236	725236
		3P+N+⊕	6	700246	710246	720246	730246	705246	725246
63	230 380-415	2P+⊕	6		710326		730326		
		3P+⊕	6		710336		730336		
		3P+N+⊕	6		710346		730346		

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



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	-	477002	477003	476002	473002	473003	471032	471062	471003	471002
		3P	-	477062	477063	476012	473062	473063	471042	471072	471063	471012
	40-50	2P	12	477102	477103	476102	473102	473103	471132	471162	471103	471102
		3P	12	477112	477113	476112	473112	473113	471142	471172	471113	471112
	20-25 40-50	2P	4	477012	477013	476042	473012	473013	471051	471111	471013	471011
		3P	4	477122	477123	476142	473122	473123	471022	471122	471123	471151
		2P	10	477602	477603	476602	473602	473603	471632	471662	471603	471602
32	20-25	2P	-	477005	477006	476005	473005	473006	471035	471065	471007	471005
		3P	-	477065	477066	476015	473065	473066	471045	471075	471067	471015
	40-50	2P	12	477105	477106	476105	473105	473106	471135	471165	471107	471105
		3P	12	477115	477116	476115	473115	473116	471145	471175	471117	471115
	20-25 40-50	2P	4	477015	477016	476045	473015	473016	471108	471058	471017	471018
		3P	4	477175	477176	476145	473125	473126	471118	471059	471177	471019
		2P	10	477605	477606	476605	473605	473606	471635	471665	471607	471605

				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	477951	473951	473961	473971
		3P	1	477952	473952	473962	473972
125	48	3P	1	477955	473955	473965	473975

				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	477107	473107
63	48	2P	1	477901	473901

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	750530	760530	751530	761530			
	3P+N+≐		750550	760550	751550	761550			
320	3P+N+≐	2	750650	760650	751650	761650			
400	3P+N+≐		750750	760750	751750	761750			



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

Heavy-duty applications

				XCEE series					
									
				page 60	page 60	page 60	page 60	page 62	page 62
Rated current (A)	Rated voltage (V)	Poles	h ref.	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	760124	762124	763124	766124	770124	772124
		3P+⊕	4	760134				770134	772134
		3P+N+⊕	4	760144				770144	772144
	230 200-250	2P+⊕	6	760126	762126	763126	766126	770126	772126
		3P+⊕	9	760139				770139	772139
		3P+N+⊕	9	760149				770149	772149
	400 380-415	2P+⊕	9	760129				770129	772129
		3P+⊕	6	760136	762136	763136	766136	770136	772136
		3P+N+⊕	6	760146	762146	763146	766146	770146	772146
	500 480-500	3P+⊕	7	760137				770137	772137
		3P+N+⊕	7	760147				770147	772147
	32	110 100-130	2P+⊕	4	760224	762224	763224	766224	770224
3P+⊕			4	760234				770234	772234
3P+N+⊕			4	760244				770244	772244
230 200-250		2P+⊕	6	760226	762226	763226	766226	770226	772226
		3P+⊕	9	760239				770239	772239
		3P+N+⊕	9	760249				770249	772249
400 380-415		2P+⊕	9	760229				770229	772229
		3P+⊕	6	760236	762236	763236	766236	770236	772236
		3P+N+⊕	6	760246	762246	763246	766246	770246	772246
500 480-500		3P+⊕	7	760237				770237	772237
		3P+N+⊕	7	760247				770247	772247
63		110 100-130	2P+⊕	4	760324				770324
	3P+⊕		4	760334				770334	772334
	3P+N+⊕		4	760344				770344	772344
	230 200-250	2P+⊕	6	760326				770326	772326
		3P+⊕	9	760339				770339	772339
		3P+N+⊕	9	760349				770349	772349
	400 380-415	2P+⊕	9	760329				770329	772329
		3P+⊕	6	760336	762336	763336	766336	770336	772336
		3P+N+⊕	6	760346	762346	763346	766346	770346	772346
	500 480-500	3P+⊕	7	760337				770337	772337
		3P+N+⊕	7	760347				770347	772347
	125	110 100-130	2P+⊕	4					
3P+⊕			4	760434				770434	772434
3P+N+⊕			4	760444				770444	772444
230 200-250		2P+⊕	6						
		3P+⊕	9	760439				770439	772439
		3P+N+⊕	9	760449				770449	772449
400 380-415		2P+⊕	9						
		3P+⊕	6	760436	762436	763436	766436	770436	772436
		3P+N+⊕	6	760446	762446	763446	766446	770446	772446
500 480-500		3P+⊕	7	760437				770437	772437
		3P+N+⊕	7	760447				770447	772447



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

XCEE series	
h ref.	
	 page 63 20° angled panel-mounted socket-outlets IP66/IP67/IP68/IP69
	 page 63 65° angled wall-mounted socket-outlets IP66/IP67/IP68/IP69
4	773124 776124
4	773134 776134
4	773144 776144
6	773126 776126
9	773139 776139
9	773149 776149
9	773129 776129
6	773136 776136
6	773146 776146
7	773137 776137
7	773147 776147
4	773224 776224
4	773234 776234
4	773244 776244
6	773226 776226
9	773239 776239
9	773249 776249
9	773229 776229
6	773236 776236
6	773246 776246
7	773237 776237
7	773247 776247
3	773233 776233
4	773324 776324
4	773334 776334
4	773344 776344
6	773326 776326
9	773339 776339
9	773349 776349
9	773329 776329
6	773336 776336
6	773346 776346
7	773337 776337
7	773347 776347
4	
4	773434 776434
4	773444 776444
6	
9	773439 776439
9	773449 776449
9	
6	773436 776436
6	773446 776446
7	773437 776437
7	773447 776447

XCEE series - Compositions					
					
h ref.	Plug inserts IP66/IP67/IP68/IP69	Socket inserts IP66/IP67/IP68/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
	769124	779124	419021	419031	532131
	769134	779134	419022	419032	532131
	769144	779144	419023	419033	532131
	769126	779126	419021	419031	532131
	769139	779139	419022	419032	532131
	769149	779149	419023	419033	532131
	769129	779129	419021	419031	532131
	769136	779136	419022	419032	532131
	769146	779146	419023	419033	532131
	769137	779137	419022	419032	532131
	769147	779147	419023	419033	532131
	769224	779224	419023	419033	532131
	769234	779234	419023	419033	532131
	769244	779244	419024	419034	532132
	769226	779226	419023	419033	532131
	769239	779239	419023	419033	532131
	769249	779249	419024	419034	532132
	769229	779229	419023	419033	532131
	769236	779236	419023	419033	532131
	769246	779246	419024	419034	532132
	769237	779237	419023	419033	532131
	769247	779247	419024	419034	532132
	769233	779233	419023	419033	532131
	769324	779324	419025	419035	532132
	769334	779334	419025	419035	532132
	769344	779344	419025	419035	532132
	769326	779326	419025	419035	532132
	769339	779339	419025	419035	532132
	769349	779349	419025	419035	532132
	769329	779329	419025	419035	532132
	769336	779336	419025	419035	532132
	769346	779346	419025	419035	532132
	769337	779337	419025	419035	532132
	769347	779347	419025	419035	532132
	769424	779424	419026	419036	532133
	769434	779434	419026	419036	532133
	769444	779444	419026	419036	532133
	769426	779426	419026	419036	532133
	769439	779439	419026	419036	532133
	769449	779449	419026	419036	532133
	769429	779429	419026	419036	532133
	769436	779436	419026	419036	532133
	769446	779446	419026	419036	532133
	769437	779437	419026	419036	532133
	769447	779447	419026	419036	532133



Plug and socket 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.

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 ²)
16	2P+⊕	8 - 13	1 - 6
	3P+⊕	8,5 - 14	
	3P+N+⊕	10 - 15,5	
32	2P+⊕	11 - 17,5	2,5 - 10
	3P+⊕	12 - 19,5	
	3P+N+⊕	14 - 21,5	
63	2P+⊕	16 - 26	4 - 25
	3P+⊕	18,5 - 29	
	3P+N+⊕	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	700124	10	
	110	Yellow	3P+⊕	4	700134	5	
	110	Yellow	3P+N+⊕	4	700144	5	
	230	Blue	2P+⊕	6	700126	40	
	230	Blue	3P+⊕	9	700139	5	
	230	Blue	3P+N+⊕	9	700149	5	
	400	Red	2P+⊕	9	700129	5	
	400	Red	3P+⊕	6	700136	30	
	400	Red	3P+N+⊕	6	700146	20	
	32	110	Yellow	2P+⊕	4	700224	5
		110	Yellow	3P+⊕	4	700234	5
		110	Yellow	3P+N+⊕	4	700244	5
		230	Blue	2P+⊕	6	700226	5
		230	Blue	3P+⊕	9	700239	5
		230	Blue	3P+N+⊕	9	700249	5
		400	Red	2P+⊕	9	700229	5
400		Red	3P+⊕	6	700236	20	
400		Red	3P+N+⊕	6	700246	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	720124	5	
	110	Yellow	3P+⊕	4	720134	5	
	110	Yellow	3P+N+⊕	4	720144	5	
	230	Blue	2P+⊕	6	720126	30	
	230	Blue	3P+⊕	9	720139	5	
	230	Blue	3P+N+⊕	9	720149	5	
	400	Red	2P+⊕	9	720129	5	
	400	Red	3P+⊕	6	720136	20	
	400	Red	3P+N+⊕	6	720146	20	
	32	110	Yellow	2P+⊕	4	720224	5
		110	Yellow	3P+⊕	4	720234	5
		110	Yellow	3P+N+⊕	4	720244	5
		230	Blue	2P+⊕	6	720226	5
		230	Blue	3P+⊕	9	720239	5
		230	Blue	3P+N+⊕	9	720249	5
		400	Red	2P+⊕	9	720229	5
400		Red	3P+⊕	6	720236	15	
400		Red	3P+N+⊕	6	720246	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	705124	10
	230	Blue	2P+⊕	6	705126	10
	400	Red	3P+⊕	6	705136	10
	400	Red	3P+N+⊕	6	705146	10
32	230	Blue	2P+⊕	6	705226	5
	400	Red	3P+⊕	6	705236	5
	400	Red	3P+N+⊕	6	705246	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	725124	10
	230	Blue	2P+⊕	6	725126	10
	400	Red	3P+⊕	6	725136	10
	400	Red	3P+N+⊕	6	725146	10
32	230	Blue	2P+⊕	6	725226	5
	400	Red	3P+⊕	6	725236	5
	400	Red	3P+N+⊕	6	725246	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	710124	10
	230	Blue	2P+⊕	6	710126	30
	400	Red	3P+⊕	6	710136	20
	400	Red	3P+N+⊕	6	710146	15
32	110	Yellow	2P+⊕	4	710224	6
	230	Blue	2P+⊕	6	710226	6
	400	Red	3P+⊕	6	710236	15
	400	Red	3P+N+⊕	6	710246	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	710326	2
	400	Red	3P+⊕	6	710336	5
	400	Red	3P+N+⊕	6	710346	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	710156	1
	400	Red	3P+N+⊕	6	710166	1
32	400	Red	3P+⊕	6	710256	1
	400	Red	3P+N+⊕	6	710266	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	730124	10
	230	Blue	2P+⊕	6	730126	20
	400	Red	3P+⊕	6	730136	15
	400	Red	3P+N+⊕	6	730146	15
32	110	Yellow	2P+⊕	4	730224	6
	230	Blue	2P+⊕	6	730226	6
	400	Red	3P+⊕	6	730236	10
	400	Red	3P+N+⊕	6	730246	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	730326	2
	400	Red	3P+⊕	6	730336	5
	400	Red	3P+N+⊕	6	730346	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	752126	1
	400	■	3P+≍	6	752136	1
	400	■	3P+N+≍	6	752146	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	753126	1
	400	■	3P+≍	6	753136	1
	400	■	3P+N+≍	6	753146	1
32	400	■	3P+≍	6	753236	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	740002	10
16	230	2P+≍	6	1 socket 2P+≍ 10/16A bivalent P17/11 + Schuko P30	740001	10
13	250	2P+≍	6	standard BS1363-1995	740003	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	740101	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



Straight mobile domestic plug in shockproof rubber IP44

Rated current (A)	Rated voltage (V)	Poles	Type	Palazzoli code	Pack Qty
16	250	2P+⊕	S30	437012	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	437022	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	433052	10

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



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 technopolymer IP20

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

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

Technical accessories:



page 209

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:

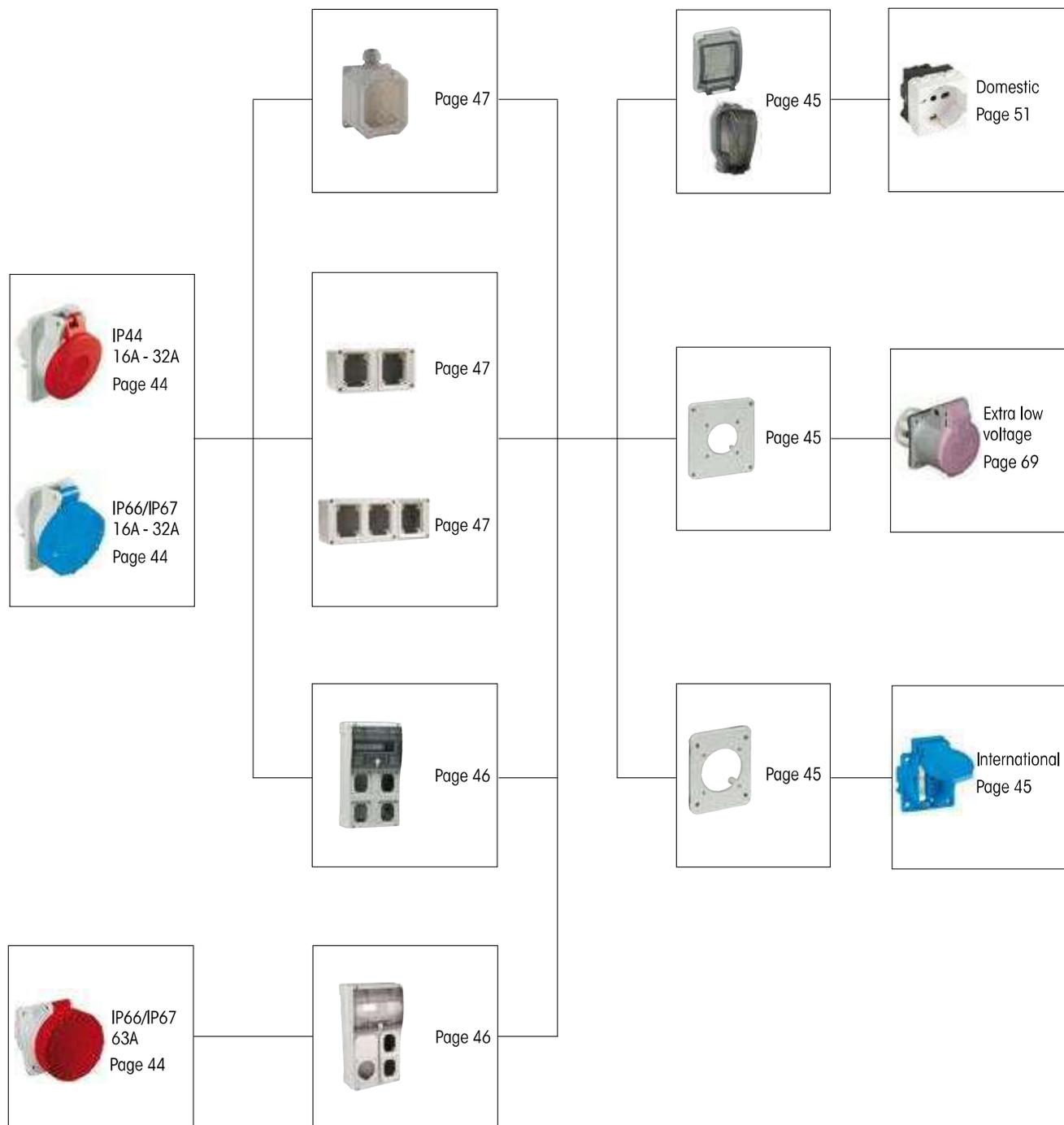
Rated current (A)	Poles	Wall-mounted socket-outlets entry threading	Wall-mounted socket-outlets entry cable diameter (mm)	Entry cable cross-section (mm ²)
16	2P+⊕	M25	14-18	1 - 2.5
	3P+⊕			
	3P+N+⊕			
32	2P+⊕	M25	14-18	2.5 - 6
	3P+⊕			
	3P+N+⊕			
63	2P+⊕	M40	24-28	4 - 25
	3P+⊕			
	3P+N+⊕			



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

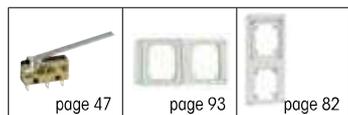


15° angled
flush-mounted socket-outlets
50/60Hz IP44

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	488124	1
	110	65 x 83	Yellow	3P+⊕	4	488134	1
	110	88 x 100	Yellow	3P+N+⊕	4	488144	1
	230	65 x 83	Blue	2P+⊕	6	488126	10
	230	65 x 83	Blue	3P+⊕	9	488139	1
	230	88 x 100	Blue	3P+N+⊕	9	488149	1
	400	65 x 83	Red	2P+⊕	9	488129	1
	400	65 x 83	Red	3P+⊕	6	488136	10
	400	88 x 100	Red	3P+N+⊕	6	488146	10
	32	110	88 x 100	Yellow	2P+⊕	4	488224
110		88 x 100	Yellow	3P+⊕	4	488234	1
110		88 x 100	Yellow	3P+N+⊕	4	488244	1
230		88 x 100	Blue	2P+⊕	6	488226	5
230		88 x 100	Blue	3P+⊕	9	488239	1
230		88 x 100	Blue	3P+N+⊕	9	488249	1
400		88 x 100	Red	2P+⊕	9	488229	1
400		88 x 100	Red	3P+⊕	6	488236	5
400		88 x 100	Red	3P+N+⊕	6	488246	5

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

Technical accessories:

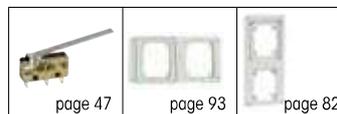


15° angled
flush-mounted socket-outlets
50/60Hz IP66/IP67

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	489124	1
	110	65 x 83	Yellow	3P+⊕	4	489134	1
	110	88 x 100	Yellow	3P+N+⊕	4	489144	1
	230	65 x 83	Blue	2P+⊕	6	489126	10
	230	65 x 83	Blue	3P+⊕	9	489139	1
	230	88 x 100	Blue	3P+N+⊕	9	489149	1
	400	65 x 83	Red	2P+⊕	9	489129	1
	400	65 x 83	Red	3P+⊕	6	489136	10
	400	88 x 100	Red	3P+N+⊕	6	489146	10
	32	110	88 x 100	Yellow	2P+⊕	4	489224
110		88 x 100	Yellow	3P+⊕	4	489234	1
110		88 x 100	Yellow	3P+N+⊕	4	489244	1
230		88 x 100	Blue	2P+⊕	6	489226	5
230		88 x 100	Blue	3P+⊕	9	489239	1
230		88 x 100	Blue	3P+N+⊕	9	489249	1
400		88 x 100	Red	2P+⊕	9	489229	1
400		88 x 100	Red	3P+⊕	6	489236	5
400		88 x 100	Red	3P+N+⊕	6	489246	5
380/440		88 x 100	Red	3P+⊕	3	489233	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	489326	2
	400	100x100	Red	3P+⊕	6	489336	2
	400	100x100	Red	3P+N+⊕	6	489346	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	579849	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	579848	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	579845	10
16	250	DIN49440	50x50	Ita/Pol/Hun	579830	10
13	250	BS1363	50x50	United Kingdom	579831	10
16	250	CEE 7/N	50x50	BE/FR/CZ	579832	10

Features: code 579830 with protected receptacles.

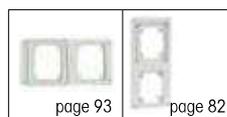


Schuko bivalent domestic socket P17/P30 with cap for distribution boards IP66

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

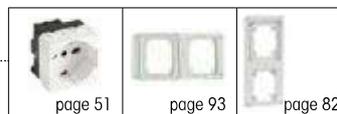
Flange dimensions (mm)	No. of installable modules	Palazzoli code	Pack Qty
65 x 83	2	579847	10



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	579860	1

Technical accessories:

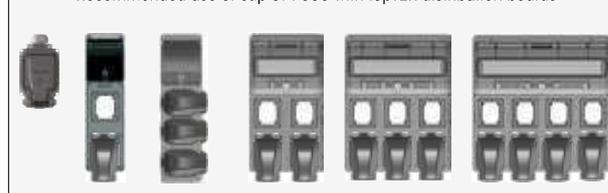


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Recommended use of cap 579860 with topTER distribution boards





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	579822	1
5 modules		3	3	1	22	579823	1
10 modules		4	4	4*	40	579824	1
16 modules		6	6	6*	56	579826	1
22 modules		8	8	8*	70	579828	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:** 1 6A 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	579863	1
16 modules		5	4	2	1	56	579865	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: 1 6A 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	579852	1
16	579743 - 579826	579853	1
22	579744 - 579828	579854	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	579750	1
M25	106 x 128	88 x 100	579751	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	579843	1
88x100	579842	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	579702	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 ²	579013	1
10		579014	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	579703	1

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

Technical accessories:



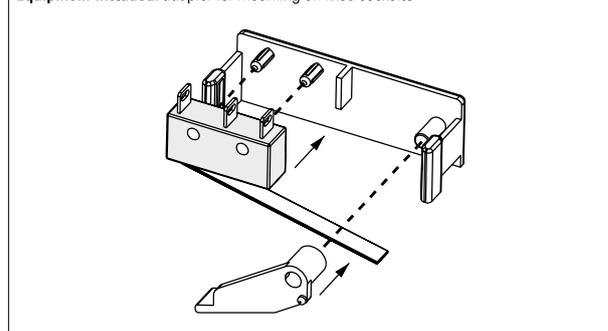
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NO+NC auxiliary contact for plug inserted signalling

For sockets	Palazzoli code	Pack Qty
topTER fixed and interlocked socket-outlets	579850	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	579904	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	579012	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	580250	1



Universal support for topTER, PRIMA and Energy Go distribution boards

For distribution boards	Palazzoli code	Pack Qty
width 239 mm and above	570010	1



Transportation handles

For distribution boards	Palazzoli code	Pack Qty
all distribution boards	579011	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	488114	10
	230	60 x 60	●	2P+⊕	6	488116	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	438124	1
	230	●	2P+⊕	6	438126	1
	400	●	3P+⊕	6	438136	1
	400	●	3P+N+⊕	6	438146	1
32 M25 entry	110	●	2P+⊕	4	438224	1
	230	●	2P+⊕	6	438226	1
	400	●	3P+⊕	6	438236	1
	400	●	3P+N+⊕	6	438246	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	508124	1
	230	●	2P+⊕	6	508126	1
	400	●	3P+⊕	6	508136	1
	400	●	3P+N+⊕	6	508146	1
32 M25 entry	110	●	2P+⊕	4	508224	1
	230	●	2P+⊕	6	508226	1
	400	●	3P+⊕	6	508236	1
	400	●	3P+N+⊕	6	508246	1

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

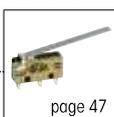


15° angled
wall-mounted fixed socket-outlets
50/60Hz IP66/IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 M25 entry	110	●	2P+⊕	4	439124	1
	230	●	2P+⊕	6	439126	1
	400	●	3P+⊕	6	439136	1
	400	●	3P+N+⊕	6	439146	1
32 M25 entry	110	●	2P+⊕	4	439224	1
	230	●	2P+⊕	6	439226	1
	400	●	3P+⊕	6	439236	1
	400	●	3P+N+⊕	6	439246	1
	380/440	●	3P+⊕	3	439233	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	509124	1
	230	●	2P+⊕	6	509126	1
	400	●	3P+⊕	6	509136	1
	400	●	3P+N+⊕	6	509146	1
32 M25 entry	110	●	2P+⊕	4	509224	1
	230	●	2P+⊕	6	509226	1
	400	●	3P+⊕	6	509236	1
	400	●	3P+N+⊕	6	509246	1
	380/440	●	3P+⊕	3	509233	1
63 M40 entry	230	●	2P+⊕	6	509326	1
	400	●	3P+⊕	6	509336	1
	400	●	3P+N+⊕	6	509346	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 ² to 2x2.5 mm ²



Wall-mounted boxes for domoTER devices IP40

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



Wall-mounted boxes for domoTER devices IP55

Dimensions (mm)	No. of installable modules	Palazzoli code	Pack Qty
76x82x58	1	630011	30
98x82x58	2	630012	30
120x82x58	3	630013	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	579847	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	579860	1

Technical accessories:



DIRECTIVES

2001/95/UE (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	630021	20
52 (3 DIN modules)	2		630022	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	630056	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	630050	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	630055	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	630052	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	630058	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	630051	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	630053	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	630054	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	630030	16

Complementary products: warning lamp code 630091.

Features: the code 630030 is made in the "NO button" configuration.

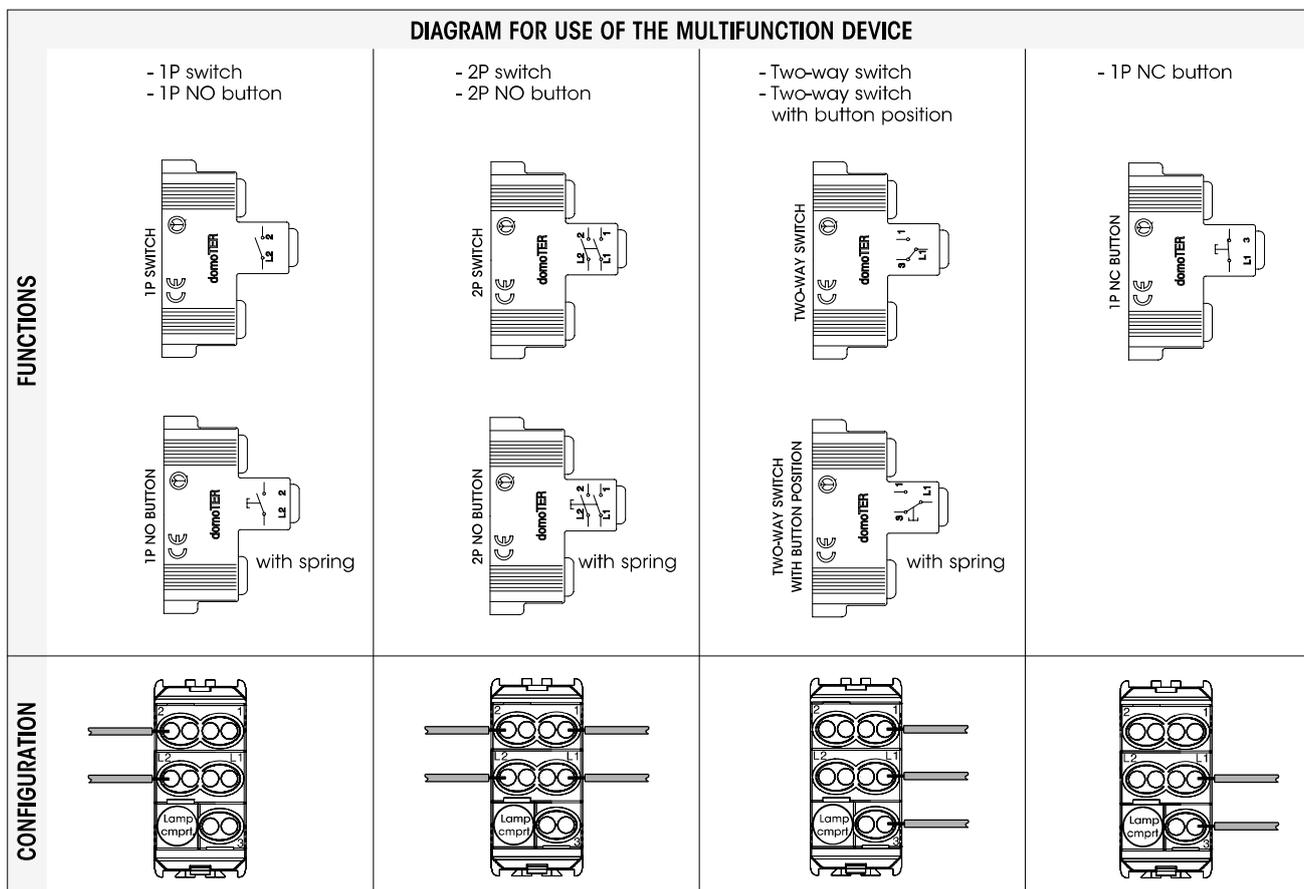
To obtain the switch and two-way switch configuration, remove the spring located underneath the key with a screwdriver and perform the wiring according to the schemes here below.



Line reversing switch
16A 250V

No. of poles	No. of modules	Palazzoli code	Pack Qty
1	1	630031	16

DIAGRAM FOR USE OF THE MULTIFUNCTION DEVICE





DOMOTER

Modular devices for domestic use



TV sockets

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



Rj data sockets

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



USB socket

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

Fuse holder
5x20 mm 10A max.

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

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

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

Signalling lamps
230V - 50/60Hz

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



Closing cap

Description	No. of modules	Palazzoli code	Pack Qty
closing cap	1	630090	100

230V warning lamp
with 100mm cable

No. of modules	Palazzoli code	Pack Qty
1	630091	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	658529	1

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

XCEE





XCEE

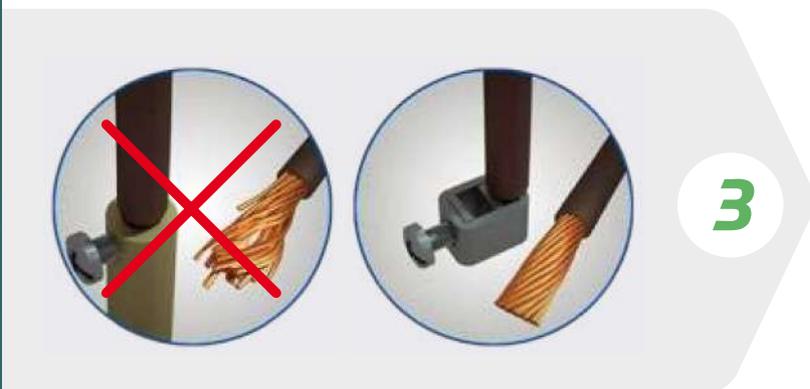
Safety performance mobile plugs and socket-outlets

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 ²)
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



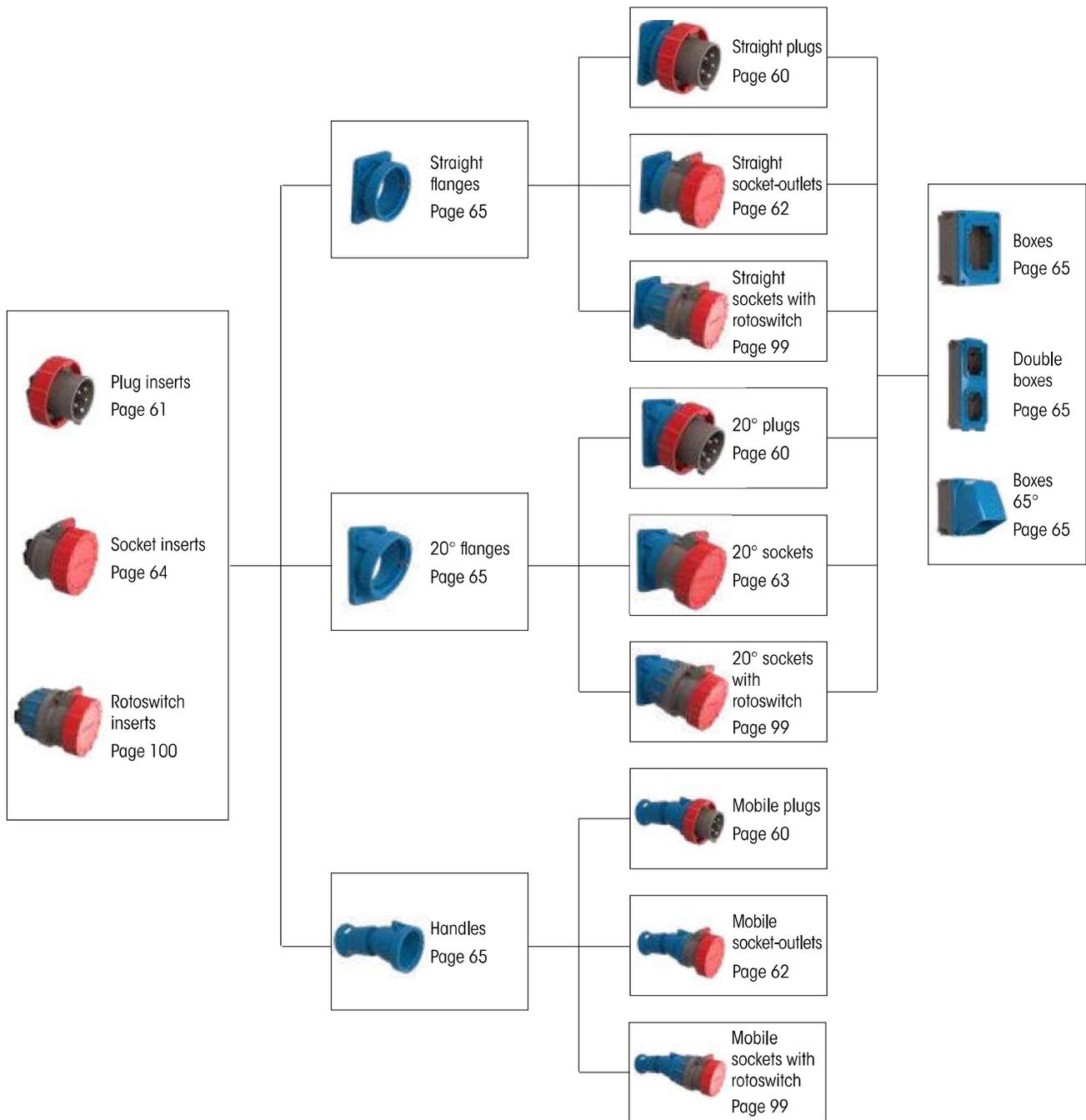
For quick and easy installation, scan the QR code.





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





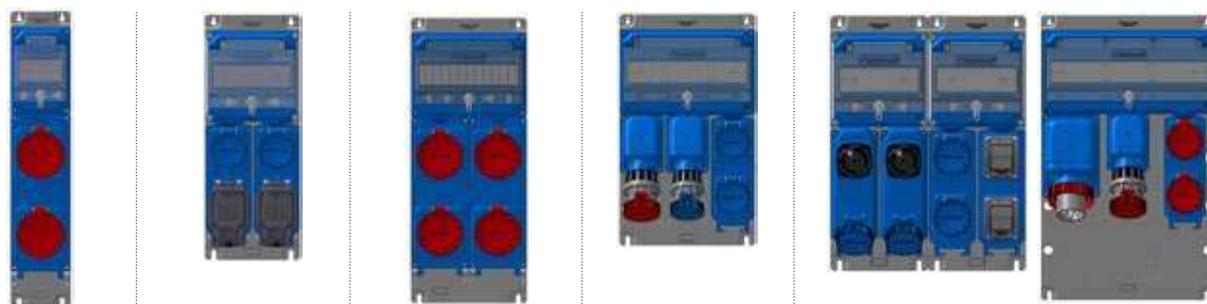
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XCEE compositions with TAIS

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+⊕										
63	400	3P+⊕	532102		532122		532132			470246		472831
		3P+N+⊕								470336		472732
										470346		472832



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	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
	500	Black	3P+⊕	7	760237	1
63	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
	400	Red	3P+⊕	6	760336	1
	400	Red	3P+N+⊕	6	760346	1
	500	Black	3P+⊕	7	760337	1
125	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	769124	1	
	50/60Hz	110	●	3P+⊕	4	769134	1	
	50/60Hz	110	●	3P+N+⊕	4	769144	1	
	50/60Hz	220	●	2P+⊕	6	769126	1	
	50/60Hz	220	●	3P+⊕	9	769139	1	
	50/60Hz	220	●	3P+N+⊕	9	769149	1	
	50/60Hz	400	●	2P+⊕	9	769129	1	
	50/60Hz	400	●	3P+⊕	6	769136	1	
	50/60Hz	400	●	3P+N+⊕	6	769146	1	
	50/60Hz	500	●	2P+⊕	7	769127	1	
	50/60Hz	500	●	3P+⊕	7	769137	1	
	50/60Hz	500	●	3P+N+⊕	7	769147	1	
	50/60Hz	690	●	3P+⊕	5	769135	1	
	50/60Hz	690	●	3P+N+⊕	5	769145	1	
	DC	>250	●	2P+⊕	8	769121	1	
	100-300Hz	>50	●	2P+⊕	10	769120	1	
	100-300Hz	>50	●	3P+⊕	10	769130	1	
	100-300Hz	>50	●	3P+N+⊕	10	769140	1	
	60Hz	440-460	●	3P+⊕	11	769131	1	
	60Hz	440-460	●	3P+N+⊕	11	769141	1	
	50/60Hz	>50	●	2P+⊕	12	769128	1	
	50/60Hz	>50	●	3P+⊕	12	769138	1	
	300/500Hz	>50	●	2P+⊕	2	769122	1	
	300/500Hz	>50	●	3P+⊕	2	769132	1	
	300/500Hz	>50	●	3P+N+⊕	2	769142	1	
	DC	>50-250	●	2P+⊕	3	769123	1	
	50/60Hz	380-440	●	3P+⊕	3	769133	1	
	50/60Hz	380-440	●	3P+N+⊕	3	769143	1	
	32	50/60Hz	110	●	2P+⊕	4	769224	1
		50/60Hz	110	●	3P+⊕	4	769234	1
		50/60Hz	110	●	3P+N+⊕	4	769244	1
		50/60Hz	220	●	2P+⊕	6	769226	1
50/60Hz		220	●	3P+⊕	9	769239	1	
50/60Hz		220	●	3P+N+⊕	9	769249	1	
50/60Hz		400	●	2P+⊕	9	769229	1	
50/60Hz		400	●	3P+⊕	6	769236	1	
50/60Hz		400	●	3P+N+⊕	6	769246	1	
50/60Hz		500	●	2P+⊕	7	769227	1	
50/60Hz		500	●	3P+⊕	7	769237	1	
50/60Hz		500	●	3P+N+⊕	7	769247	1	
50/60Hz		690	●	3P+⊕	5	769235	1	
50/60Hz		690	●	3P+N+⊕	5	769245	1	
DC		>250	●	2P+⊕	8	769221	1	
100-300Hz		>50	●	2P+⊕	10	769220	1	
100-300Hz		>50	●	3P+⊕	10	769230	1	
100-300Hz		>50	●	3P+N+⊕	10	769240	1	
60Hz		440-460	●	3P+⊕	11	769231	1	
60Hz		440-460	●	3P+N+⊕	11	769241	1	
50/60Hz		>50	●	2P+⊕	12	769228	1	
50/60Hz		>50	●	3P+⊕	12	769238	1	
300/500Hz		>50	●	2P+⊕	2	769222	1	
300/500Hz		>50	●	3P+⊕	2	769232	1	
300/500Hz		>50	●	3P+N+⊕	2	769242	1	
DC		>50-250	●	2P+⊕	3	769223	1	
50/60Hz		380-440	●	3P+⊕	3	769233	1	
50/60Hz		380-440	●	3P+N+⊕	3	769243	1	

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



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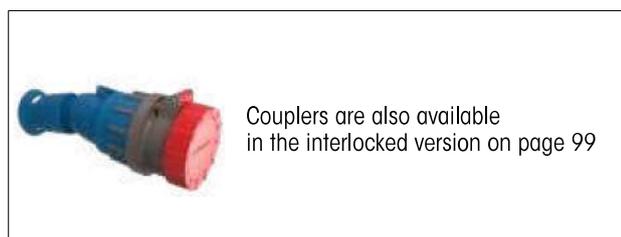
Safety performance mobile plugs and socket-outlets



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	770124	1	
	110	Yellow	3P+⊕	4	770134	1	
	110	Yellow	3P+N+⊕	4	770144	1	
	230	Blue	2P+⊕	6	770126	10	
	230	Blue	3P+⊕	9	770139	1	
	230	Blue	3P+N+⊕	9	770149	1	
	400	Red	2P+⊕	9	770129	1	
	400	Red	3P+⊕	6	770136	10	
	400	Red	3P+N+⊕	6	770146	10	
	500	Black	3P+⊕	7	770137	1	
	500	Black	3P+N+⊕	7	770147	1	
	32	110	Yellow	2P+⊕	4	770224	1
		110	Yellow	3P+⊕	4	770234	1
		110	Yellow	3P+N+⊕	4	770244	1
230		Blue	2P+⊕	6	770226	1	
230		Blue	3P+⊕	9	770239	1	
230		Blue	3P+N+⊕	9	770249	1	
400		Red	2P+⊕	9	770229	1	
400		Red	3P+⊕	6	770236	5	
400		Red	3P+N+⊕	6	770246	5	
500		Black	3P+⊕	7	770237	1	
500		Black	3P+N+⊕	7	770247	1	
380-440		Red	3P+⊕	3	770233	1	
63		110	Yellow	2P+⊕	4	770324	1
		110	Yellow	3P+⊕	4	770334	1
	110	Yellow	3P+N+⊕	4	770344	1	
	230	Blue	2P+⊕	6	770326	1	
	230	Blue	3P+⊕	9	770339	1	
	230	Blue	3P+N+⊕	9	770349	1	
	400	Red	2P+⊕	9	770329	1	
	400	Red	3P+⊕	6	770336	1	
	400	Red	3P+N+⊕	6	770346	1	
	500	Black	3P+⊕	7	770337	1	
	500	Black	3P+N+⊕	7	770347	1	
	125	110	Yellow	3P+⊕	4	770434	1
		110	Yellow	3P+N+⊕	4	770444	1
		230	Blue	3P+⊕	9	770439	1
230		Blue	3P+N+⊕	9	770449	1	
400		Red	3P+⊕	6	770436	1	
400		Red	3P+N+⊕	6	770446	1	
500		Black	3P+⊕	7	770437	1	
500		Black	3P+N+⊕	7	770447	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.



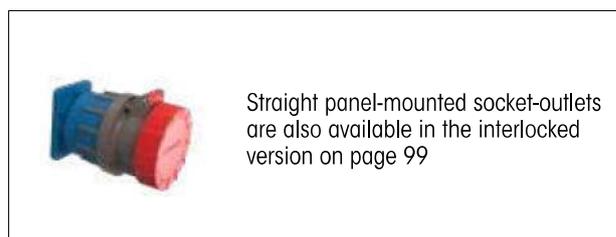
Couplers are also available in the interlocked version on page 99



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	772124	1	
	110	65x83	Yellow	3P+⊕	4	772134	1	
	110	65x83	Yellow	3P+N+⊕	4	772144	1	
	230	65x83	Blue	2P+⊕	6	772126	10	
	230	65x83	Blue	3P+⊕	9	772139	1	
	230	65x83	Blue	3P+N+⊕	9	772149	1	
	400	65x83	Red	2P+⊕	9	772129	1	
	400	65x83	Red	3P+⊕	6	772136	1	
	400	65x83	Red	3P+N+⊕	6	772146	1	
	500	65x83	Black	3P+⊕	7	772137	1	
	500	65x83	Black	3P+N+⊕	7	772147	1	
	32	110	65x83	Yellow	2P+⊕	4	772224	1
		110	65x83	Yellow	3P+⊕	4	772234	1
		110	100x108	Yellow	3P+N+⊕	4	772244	1
230		65x83	Blue	2P+⊕	6	772226	1	
230		65x83	Blue	3P+⊕	9	772239	1	
230		100x108	Blue	3P+N+⊕	9	772249	1	
400		65x83	Red	2P+⊕	9	772229	1	
400		65x83	Red	3P+⊕	6	772236	1	
400		100x108	Red	3P+N+⊕	6	772246	1	
500		65x83	Black	3P+⊕	7	772237	1	
500		100x108	Black	3P+N+⊕	7	772247	1	
380-440		65x83	Red	3P+⊕	3	772233	1	
63		110	100x108	Yellow	2P+⊕	4	772324	1
		110	100x108	Yellow	3P+⊕	4	772334	1
	110	100x108	Yellow	3P+N+⊕	4	772344	1	
	230	100x108	Blue	2P+⊕	6	772326	1	
	230	100x108	Blue	3P+⊕	9	772339	1	
	230	100x108	Blue	3P+N+⊕	9	772349	1	
	400	100x108	Red	2P+⊕	9	772329	1	
	400	100x108	Red	3P+⊕	6	772336	1	
	400	100x108	Red	3P+N+⊕	6	772346	1	
	500	100x108	Black	3P+⊕	7	772337	1	
	500	100x108	Black	3P+N+⊕	7	772347	1	
	125	110	114x114	Yellow	3P+⊕	4	772434	1
		110	114x114	Yellow	3P+N+⊕	4	772444	1
		230	114x114	Blue	3P+⊕	9	772439	1
230		114x114	Blue	3P+N+⊕	9	772449	1	
400		114x114	Red	3P+⊕	6	772436	1	
400		114x114	Red	3P+N+⊕	6	772446	1	
500		114x114	Black	3P+⊕	7	772437	1	
500		114x114	Black	3P+N+⊕	7	772447	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



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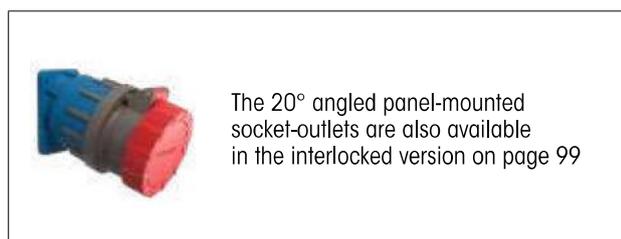
Safety performance mobile plugs and socket-outlets



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	773124	1	
	110	65x83	Yellow	3P+⊕	4	773134	1	
	110	65x83	Yellow	3P+N+⊕	4	773144	1	
	230	65x83	Blue	2P+⊕	6	773126	10	
	230	65x83	Blue	3P+⊕	9	773139	1	
	230	65x83	Blue	3P+N+⊕	9	773149	1	
	400	65x83	Red	2P+⊕	9	773129	1	
	400	65x83	Red	3P+⊕	6	773136	1	
	400	65x83	Red	3P+N+⊕	6	773146	1	
	500	65x83	Black	3P+⊕	7	773137	1	
	500	65x83	Black	3P+N+⊕	7	773147	1	
	32	110	65x83	Yellow	2P+⊕	4	773224	1
		110	65x83	Yellow	3P+⊕	4	773234	1
		110	100x108	Yellow	3P+N+⊕	4	773244	1
230		65x83	Blue	2P+⊕	6	773226	1	
230		65x83	Blue	3P+⊕	9	773239	1	
230		100x108	Blue	3P+N+⊕	9	773249	1	
400		65x83	Red	2P+⊕	9	773229	1	
400		65x83	Red	3P+⊕	6	773236	1	
400		100x108	Red	3P+N+⊕	6	773246	1	
500		65x83	Black	3P+⊕	7	773237	1	
500		100x108	Black	3P+N+⊕	7	773247	1	
380-440		65x83	Red	3P+⊕	3	773233	1	
63		110	100x108	Yellow	2P+⊕	4	773324	1
		110	100x108	Yellow	3P+⊕	4	773334	1
	110	100x108	Yellow	3P+N+⊕	4	773344	1	
	230	100x108	Blue	2P+⊕	6	773326	1	
	230	100x108	Blue	3P+⊕	9	773339	1	
	230	100x108	Blue	3P+N+⊕	9	773349	1	
	400	100x108	Red	2P+⊕	9	773329	1	
	400	100x108	Red	3P+⊕	6	773336	1	
	400	100x108	Red	3P+N+⊕	6	773346	1	
	500	100x108	Black	3P+⊕	7	773337	1	
	500	100x108	Black	3P+N+⊕	7	773347	1	
	125	110	114x114	Yellow	3P+⊕	4	773434	1
		110	114x114	Yellow	3P+N+⊕	4	773444	1
		230	114x114	Blue	3P+⊕	9	773439	1
230		114x114	Blue	3P+N+⊕	9	773449	1	
400		114x114	Red	3P+⊕	6	773436	1	
400		114x114	Red	3P+N+⊕	6	773446	1	
500		114x114	Black	3P+⊕	7	773437	1	
500		114x114	Black	3P+N+⊕	7	773447	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

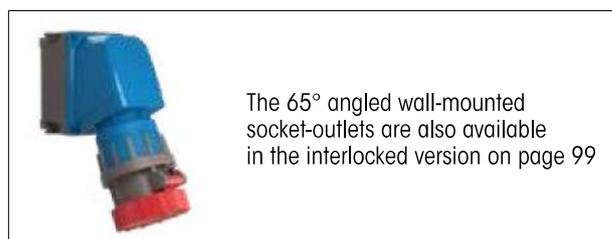


65° angled
wall-mounted socket-outlets
50/60Hz
IP66/IP67/IP68/IP69

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty	
16	110	Yellow	2P+⊕	4	776124	1	
	110	Yellow	3P+⊕	4	776134	1	
	110	Yellow	3P+N+⊕	4	776144	1	
	230	Blue	2P+⊕	6	776126	1	
	230	Blue	3P+⊕	9	776139	1	
	230	Blue	3P+N+⊕	9	776149	1	
	400	Red	2P+⊕	9	776129	1	
	400	Red	3P+⊕	6	776136	1	
	400	Red	3P+N+⊕	6	776146	1	
	500	Black	3P+⊕	7	776137	1	
	500	Black	3P+N+⊕	7	776147	1	
	32	110	Yellow	2P+⊕	4	776224	1
		110	Yellow	3P+⊕	4	776234	1
		110	Yellow	3P+N+⊕	4	776244	1
230		Blue	2P+⊕	6	776226	1	
230		Blue	3P+⊕	9	776239	1	
230		Blue	3P+N+⊕	9	776249	1	
400		Red	2P+⊕	9	776229	1	
400		Red	3P+⊕	6	776236	1	
400		Red	3P+N+⊕	6	776246	1	
500		Black	3P+⊕	7	776237	1	
500		Black	3P+N+⊕	7	776247	1	
380-440		Red	3P+⊕	3	776233	1	
63		110	Yellow	2P+⊕	4	776324	1
		110	Yellow	3P+⊕	4	776334	1
	110	Yellow	3P+N+⊕	4	776344	1	
	230	Blue	2P+⊕	6	776326	1	
	230	Blue	3P+⊕	9	776339	1	
	230	Blue	3P+N+⊕	9	776349	1	
	400	Red	2P+⊕	9	776329	1	
	400	Red	3P+⊕	6	776336	1	
	400	Red	3P+N+⊕	6	776346	1	
	500	Black	3P+⊕	7	776337	1	
	500	Black	3P+N+⊕	7	776347	1	
	125	110	Yellow	3P+⊕	4	776434	1
		110	Yellow	3P+N+⊕	4	776444	1
		230	Blue	3P+⊕	9	776439	1
230		Blue	3P+N+⊕	9	776449	1	
400		Red	3P+⊕	6	776436	1	
400		Red	3P+N+⊕	6	776446	1	
500		Black	3P+⊕	7	776437	1	
500		Black	3P+N+⊕	7	776447	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



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

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



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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	419001	5
	3P+⊕	6.3 - 18	419002	5
	3P+N+⊕	9 - 23	419003	5
32	2P+⊕ / 3P+⊕	9 - 23	419004	5
	3P+N+⊕	13 - 27		
63	2P+⊕ / 3P+⊕ / 3P+N+⊕	14 - 36	419005	5
125	2P+⊕ / 3P+⊕ / 3P+N+⊕	16 - 50	419006	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	419021	5
	3P+⊕	65x83	419022	5
	3P+N+⊕	65x83	419023	5
32	2P+⊕ / 3P+⊕	65x83	419024	5
	3P+N+⊕	100x108		
63	2P+⊕ / 3P+⊕ / 3P+N+⊕	100 x 108	419025	5
125	2P+⊕ / 3P+⊕ / 3P+N+⊕	114x114	419026	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	419031	5
	3P+⊕	65x83	419032	5
	3P+N+⊕	65x83	419033	5
32	2P+⊕ / 3P+⊕	65x83	419034	5
	3P+N+⊕	100x108		
63	2P+⊕ / 3P+⊕ / 3P+N+⊕	100x108	419035	5
125	2P+⊕ / 3P+⊕ / 3P+N+⊕	114x114	419036	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	532131	1
32-63	100x108	125x185	532132	1
125	114x114		532133*	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	532101	1
32-63	100x108	125x185	532102	1
125	114x114		532103	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	532121	1
32-63	2x(100x108)	125x352	532122*	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	532841	1



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

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



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	-	477002	10
	50/60Hz	24	●	3P	-	477062	1
	50/60Hz	42	○	2P	12	477102	1
	50/60Hz	42	○	3P	12	477112	1
	100/200Hz	24-42	●	2P	4	477012	1
	100/200Hz	24-42	●	3P	4	477122	1
	DC	24-42	○	2P	10	477602	1
32	50/60Hz	24	●	2P	-	477005	1
	50/60Hz	24	●	3P	-	477065	1
	50/60Hz	42	○	2P	12	477105	1
	50/60Hz	42	○	3P	12	477115	1
	100/200Hz	24-42	●	2P	4	477015	1
	100/200Hz	24-42	●	3P	4	477175	1
	DC	24-42	○	2P	10	477605	1



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 ²)
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
IP67

Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	50/60Hz	24	●	2P	-	477003	1
	50/60Hz	24	●	3P	-	477063	1
	50/60Hz	42	○	2P	12	477103	1
	50/60Hz	42	○	3P	12	477113	1
	100/200Hz	24-42	●	2P	4	477013	1
	100/200Hz	24-42	●	3P	4	477123	1
	DC	24-42	○	2P	10	477603	1
32	50/60Hz	24	●	2P	-	477006	1
	50/60Hz	24	●	3P	-	477066	1
	50/60Hz	42	○	2P	12	477106	1
	50/60Hz	42	○	3P	12	477116	1
	100/200Hz	24-42	●	2P	4	477016	1
	100/200Hz	24-42	●	3P	4	477176	1
	DC	24-42	○	2P	10	477606	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	477951	1
	48	●	3P	1	477952	1
125	48	●	3P	1	477955	1



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

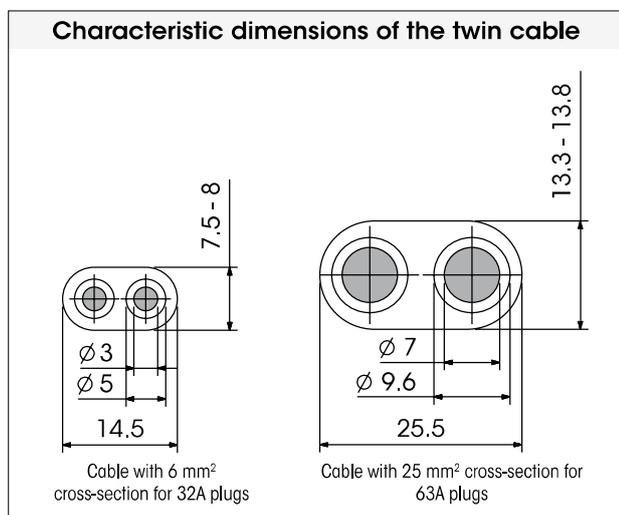
Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	50/60Hz	24	●	2P	-	476002	1
	50/60Hz	24	●	3P	-	476012	1
	50/60Hz	42	○	2P	12	476102	1
	50/60Hz	42	○	3P	12	476112	1
	100/200Hz	24-42	●	2P	4	476042	1
	100/200Hz	24-42	●	3P	4	476142	1
	DC	24-42	○	2P	10	476602	1
32	50/60Hz	24	●	2P	-	476005	1
	50/60Hz	24	●	3P	-	476015	1
	50/60Hz	42	○	2P	12	476105	1
	50/60Hz	42	○	3P	12	476115	1
	100/200Hz	24-42	●	2P	4	476045	1
	100/200Hz	24-42	●	3P	4	476145	1
	DC	24-42	○	2P	10	476605	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	477107	1
63	48	●	2P	1	477901	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	-	473002	1
	50/60Hz	24	■	3P	-	473062	1
	50/60Hz	42	□	2P	12	473102	1
	50/60Hz	42	□	3P	12	473112	1
	100/200Hz	24-42	■	2P	4	473012	1
	100/200Hz	24-42	■	3P	4	473122	1
	DC	24-42	□	2P	10	473602	1
32	50/60Hz	24	■	2P	-	473005	1
	50/60Hz	24	■	3P	-	473065	1
	50/60Hz	42	□	2P	12	473105	1
	50/60Hz	42	□	3P	12	473115	1
	100/200Hz	24-42	■	2P	4	473015	1
	100/200Hz	24-42	■	3P	4	473125	1
	DC	24-42	□	2P	10	473605	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	-	473003	1
	50/60Hz	24	■	3P	-	473063	1
	50/60Hz	42	□	2P	12	473103	1
	50/60Hz	42	□	3P	12	473113	1
	100/200Hz	24-42	■	2P	4	473013	1
	100/200Hz	24-42	■	3P	4	473123	1
	DC	24-42	□	2P	10	473603	1
32	50/60Hz	24	■	2P	-	473006	1
	50/60Hz	24	■	3P	-	473066	1
	50/60Hz	42	□	2P	12	473106	1
	50/60Hz	42	□	3P	12	473116	1
	100/200Hz	24-42	■	2P	4	473016	1
	100/200Hz	24-42	■	3P	4	473126	1
	DC	24-42	□	2P	10	473606	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	473951	1
	48	■	3P	1	473952	1
125	48	■	3P	1	473955	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	473107	1
63	48	■	2P	1	473901	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	-	471002	1
	50/60Hz	24	■	3P	-	471012	1
	50/60Hz	42	□	2P	12	471102	1
	50/60Hz	42	□	3P	12	471112	1
	100/200Hz	24-42	■	2P	4	471011	1
	100/200Hz	24-42	■	3P	4	471151	1
	DC	24-42	□	2P	10	471602	1
32	50/60Hz	24	■	2P	-	471005	1
	50/60Hz	24	■	3P	-	471015	1
	50/60Hz	42	□	2P	12	471105	1
	50/60Hz	42	□	3P	12	471115	1
	100/200Hz	24-42	■	2P	4	471018	1
	100/200Hz	24-42	■	3P	4	471019	1
	DC	24-42	□	2P	10	471605	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	-	471032	1
	50/60Hz	24	●	3P	-	471042	1
	50/60Hz	42	○	2P	12	471132	1
	50/60Hz	42	○	3P	12	471142	1
	100/200Hz	24-42	●	2P	4	471051	1
	100/200Hz	24-42	●	3P	4	471022	1
	DC	24-42	○	2P	10	471632	1
32	50/60Hz	24	●	2P	-	471035	1
	50/60Hz	24	●	3P	-	471045	1
	50/60Hz	42	○	2P	12	471135	1
	50/60Hz	42	○	3P	12	471145	1
	100/200Hz	24-42	●	2P	4	471108	1
	100/200Hz	24-42	●	3P	4	471118	1
	DC	24-42	○	2P	10	471635	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	-	471003	1
	50/60Hz	24	●	3P	-	471063	1
	50/60Hz	42	○	2P	12	471103	1
	50/60Hz	42	○	3P	12	471113	1
	100/200Hz	24-42	●	2P	4	471013	1
	100/200Hz	24-42	●	3P	4	471123	1
	DC	24-42	○	2P	10	471603	1
32	50/60Hz	24	●	2P	-	471007	1
	50/60Hz	24	●	3P	-	471067	1
	50/60Hz	42	○	2P	12	471107	1
	50/60Hz	42	○	3P	12	471117	1
	100/200Hz	24-42	●	2P	4	471017	1
	100/200Hz	24-42	●	3P	4	471177	1
	DC	24-42	○	2P	10	471607	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	473971	1
	48	●	3P	1	473972	1
125	48	●	3P	1	473975	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	-	471062	1
	50/60Hz	24	●	3P	-	471072	1
	50/60Hz	42	○	2P	12	471162	1
	50/60Hz	42	○	3P	12	471172	1
	100/200Hz	24-42	●	2P	4	471111	1
	100/200Hz	24-42	●	3P	4	471122	1
	DC	24-42	○	2P	10	471662	1
32	50/60Hz	24	●	2P	-	471065	1
	50/60Hz	24	●	3P	-	471075	1
	50/60Hz	42	○	2P	12	471165	1
	50/60Hz	42	○	3P	12	471175	1
	100/200Hz	24-42	●	2P	4	471058	1
	100/200Hz	24-42	●	3P	4	471059	1
	DC	24-42	○	2P	10	471665	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	473961	1
	48	●	3P	1	473962	1
125	48	●	3P	1	473965	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 ²)	
250	3P+⊕	21 - 42	50 - 70	
	3P+N+⊕			
320	3P+⊕		38 - 62	120
	3P+N+⊕			
400	3P+⊕	150		
	3P+N+⊕			



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

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

Notes: up to 660A available on request.

Technical accessories:



page 140



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

Rated current (A)	Poles	No. of pilot contacts (mm ²)	Palazzoli code	Pack Qty
250	3P+⊕	2x10	751530	1
	3P+N+⊕	2x6	751550	1
320	3P+N+⊕	2x6	751650	1
400	3P+N+⊕	2x6	751750	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 ²)	Palazzoli code	Pack Qty
250	3P+⊕	2x10	760530	1
	3P+N+⊕	2x6	760550	1
320	3P+N+⊕	2x6	760650	1
400	3P+N+⊕	2x6	760750	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 ²)	Palazzoli code	Pack Qty
250	3P+⊕	2x10	761530	1
	3P+N+⊕	2x6	761550	1
320	3P+N+⊕	2x6	761650	1
400	3P+N+⊕	2x6	761750	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

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

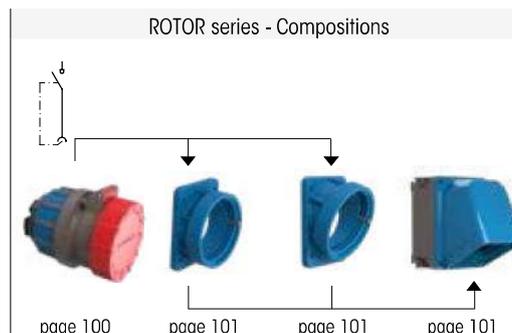
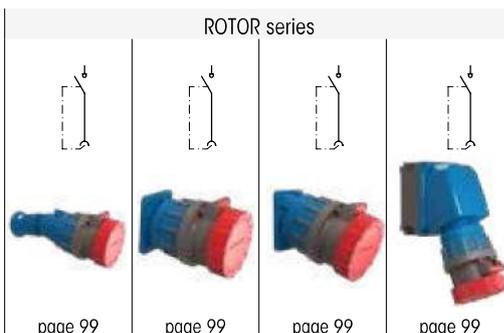
EXTRA-LOW VOLTAGE

Rated current (A)	Rated voltage (V)	Poles	h ref.	TOPTER series	PRIMA series
				Self-protected with transformer 150VA IP66/IP67	Self-protected with transformer 150VA IP55
16	230/24	2P	-	 page 81	 page 93
				490024	496024



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

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	-	469873	471873	
32	230/48	2P	-			471819



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	 page 120	 page 120	 page 121	 page 121
	3P+⊕	4	400124		403124	
	3P+N+⊕	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				
3P+⊕	3	400233	408233	403233	406233	
63	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
3P+⊕	7	400337				
3P+N+⊕	7	400347				
125	3P+⊕	6				
	3P+N+⊕	6				
	3P+⊕	7				
	3P+N+⊕	7				

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	 page 130	 page 131	 page 132	 page 132	 page 134	 page 134
	3P+⊕	4	472233		474633			
	3P+N+⊕	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					
	3P+N+⊕	7	472543					
	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						
3P+N+⊕	7	472556						
3P+⊕	3	472486		474486	472735			
32	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
	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
	3P+⊕	7	472518				475437	473437
	3P+N+⊕	7	472528				475447	473447

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.	ALUPRES series	
				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

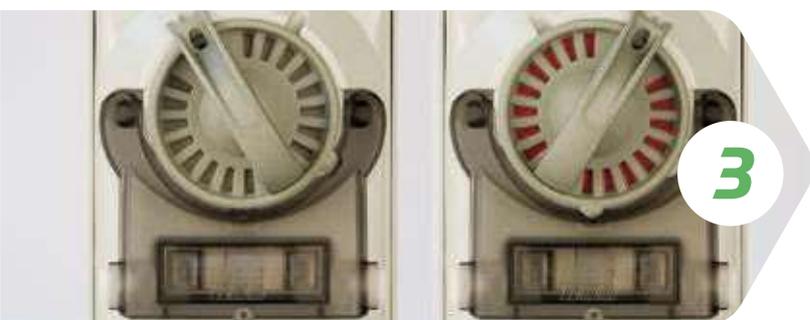
Compact vertical interlocked socket-outlets in technopolymer

ADVANTAGES



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.



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.



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 Ith		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

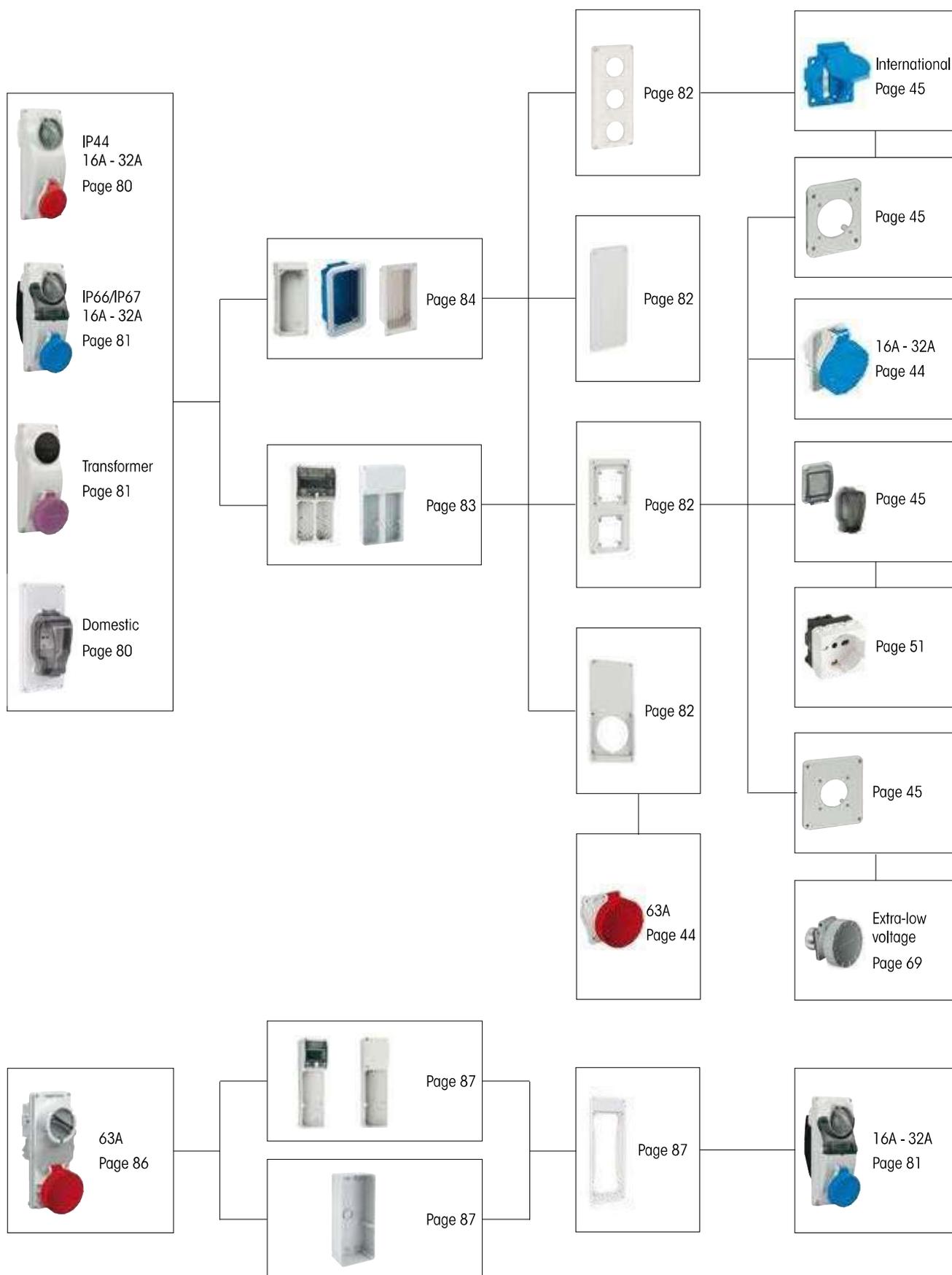
Wiring data:		16A	32A
Entry cable cross-section	mm ²	1 - 10	
Tightening torque	Nm	2	



TOPTER

Compact vertical interlocked socket-outlets in technopolymer

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	492124	1
	230	Blue	2P+≋	6	492126	1
	400	Red	3P+≋	6	492136	1
	400	Red	3P+N+≋	6	492146	1
32	230	Blue	2P+≋	6	492226	1
	400	Red	3P+≋	6	492236	1
	400	Red	3P+N+≋	6	492246	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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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	579715	1

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

Technical accessories:



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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	110	Yellow	2P+≋	4	190124	1	
	230	Blue	2P+≋	6	190126	1	
	10.3x38 fuses	400	Red	3P+≋	6	190136	1
		400	Red	3P+N+≋	6	190146	1
32	230	Blue	2P+≋	6	190226	1	
	10.3x38 fuses	400	Red	3P+≋	6	190236	1
		400	Red	3P+N+≋	6	190246	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:



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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	491124	1	
	110	Yellow	3P+⊕	4	491134	1	
	110	Yellow	3P+N+⊕	4	491144	1	
	230	Blue	2P+⊕	6	491126	1	
	230	Blue	3P+⊕	9	491139	1	
	230	Blue	3P+N+⊕	9	491149	1	
	400	Red	2P+⊕	9	491129	1	
	400	Red	3P+⊕	6	491136	1	
	400	Red	3P+N+⊕	6	491146	1	
	32	110	Yellow	2P+⊕	4	491224	1
		110	Yellow	3P+⊕	4	491234	1
		110	Yellow	3P+N+⊕	4	491244	1
230		Blue	2P+⊕	6	491226	1	
230		Blue	3P+⊕	9	491239	1	
230		Blue	3P+N+⊕	9	491249	1	
400		Red	2P+⊕	9	491229	1	
400		Red	3P+⊕	6	491236	1	
400		Red	3P+N+⊕	6	491246	1	
380/440		Red	3P+⊕	3	491233	1	

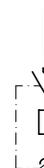
Equipment included: 4 stainless steel screws for fastening the item to the distribution board or box.
Features: padlockable handle in open or closed position, with max. 3 mm Ø padlock. Ready for 2 auxiliary contacts for plug inserted signalling. Fuses non included.

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	490124	1	
	110	Yellow	3P+⊕	4	490134	1	
	110	Yellow	3P+N+⊕	4	490144	1	
	230	Blue	2P+⊕	6	490126	1	
	230	Blue	3P+⊕	9	490139	1	
	230	Blue	3P+N+⊕	9	490149	1	
	400	Red	2P+⊕	9	490129	1	
	400	Red	3P+⊕	6	490136	1	
	400	Red	3P+N+⊕	6	490146	1	
	32 10.3x38 fuses	110	Yellow	2P+⊕	4	490224	1
		110	Yellow	3P+⊕	4	490234	1
		110	Yellow	3P+N+⊕	4	490244	1
230		Blue	2P+⊕	6	490226	1	
230		Blue	3P+⊕	9	490239	1	
230		Blue	3P+N+⊕	9	490249	1	
400		Red	2P+⊕	9	490229	1	
400		Red	3P+⊕	6	490236	1	
400		Red	3P+N+⊕	6	490246	1	
380/440		Red	3P+⊕	3	490233	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	490024	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	579714	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	579716	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	579717	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	579713	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

INTERLOCKED
SOCKET-OUTLETS



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	579742	1
16 modules	3	56	350x456	579743	1
22 modules	4	70	461x456	579744	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.



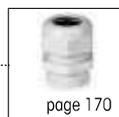
5 modules

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	579741	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	579721	1
	2	40	250x395	579722	1
	3	56	380x395	579723	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	579451	1
12	579722	IP55	579452	1
18	579723	IP55	579453	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	579710	1

Equipment included: screw cover caps for double insulation.

Technical accessories:



Flush-mounted bottom box
IP55

Dimensions (mm)	For sockets type	Palazzoli code	Pack Qty
131 x 258	topTER with lock switch	579712	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	579711	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	579708	1
250x158	12	40	IP55	579709	1

Equipment included: screw cover caps and module covers.

Technical accessories:



Box with cover for flush-mounting
IP56

Outer dimensions (mm)	Inner dimensions (mm)	Palazzoli code	Pack Qty
284x172	236x145x76	575505	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	575506	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	579850	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 ²	579013	1
10		579014	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	579904	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	580250	1



Transportation handles

For distribution boards	Palazzoli code	Pack Qty
all distribution boards	579011	1



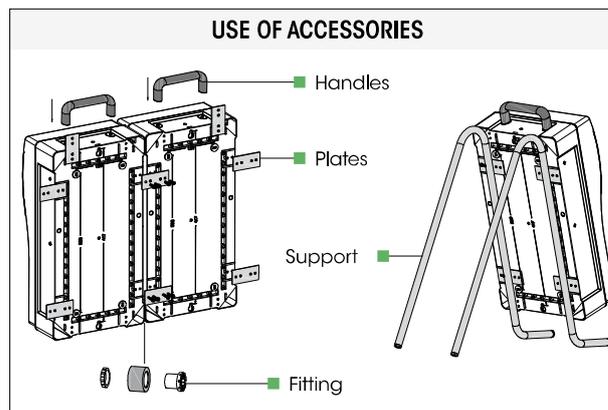
Pair of stainless steel plates for wall mounting of topTER and PRIMA distribution boards

For distribution boards	Palazzoli code	Pack Qty
all topTER and PRIMA distribution boards	579012	10



Universal support for topTER, PRIMA and Energy Go distribution boards

For distribution boards	Palazzoli code	Pack Qty
width 239 mm and above	570010	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 I _{th}			A
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 ²		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	579719	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	579910	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	579920	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	579902	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	579421*	1
2	40	250x452	579422	1
3	56	380x452	579423	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	579631*	1
2	12	40	250x452	579622	1
3	18	56	380x452	579623	1

Equipment included: screw cover caps for double insulation. Modular covers.
Features: padlockable modular door.*IP65 protection rating.

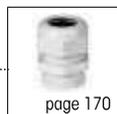


Wall-mounted bottom box
for installation of 1 63A
interlocked socket-outlet
IP55

Dimensions (mm)	For sockets type	Palazzoli code	Pack Qty
115x290	63A topTER interlocked	579400	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	575502	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

1

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.

2

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.

3

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.

4

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
Thermal current I _{th}		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

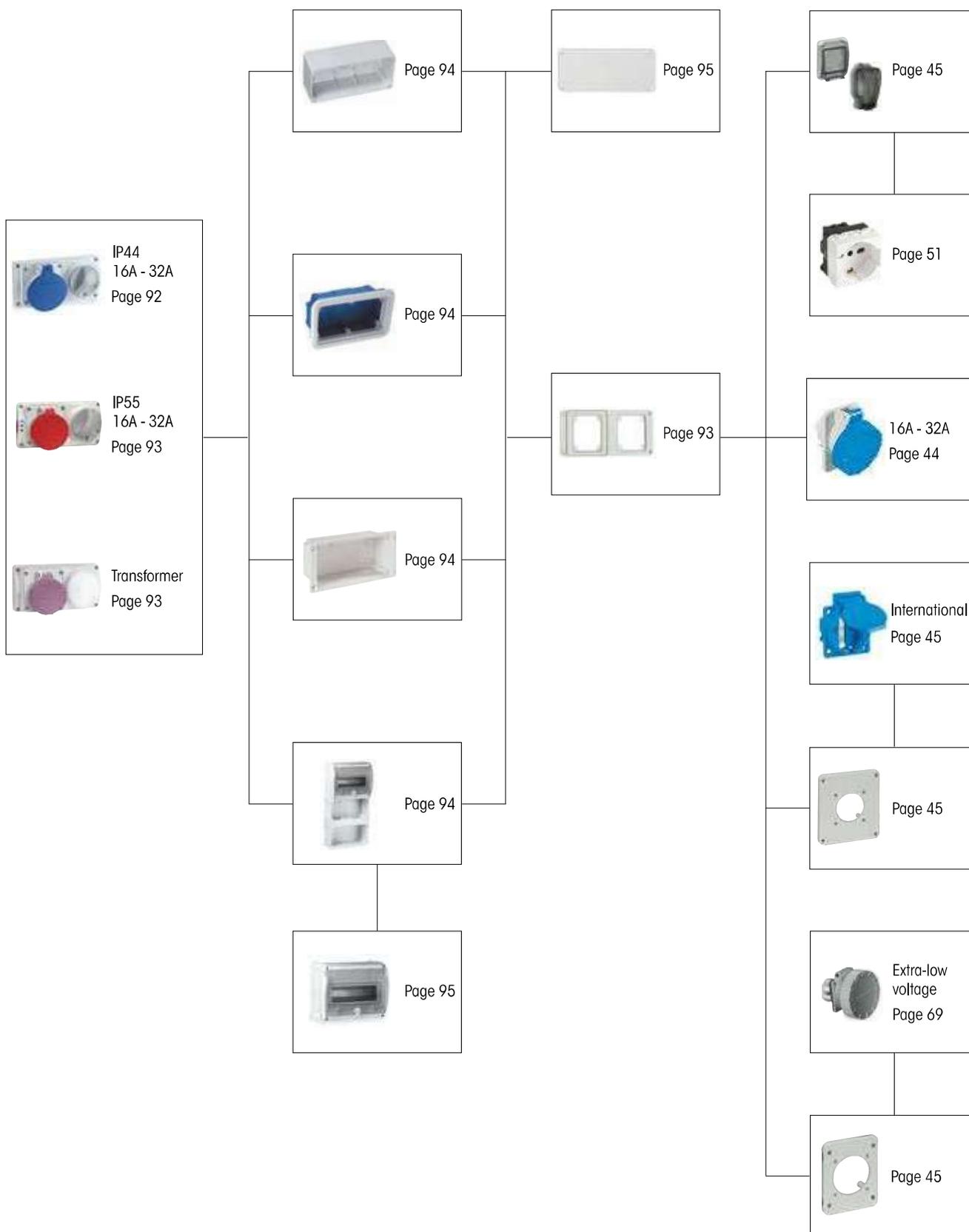
Wiring data:			16A	32A
Entry cable cross-section	mm ²		1 - 10	
Tightening torque	Nm		2	



PRIMA

Compact horizontal interlocked socket-outlets in technopolymer

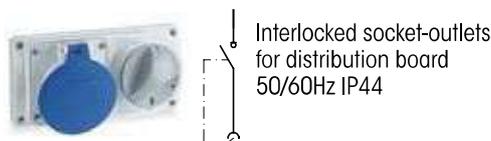
MODULARITY





PRIMA

Compact horizontal interlocked socket-outlets in technopolymer



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

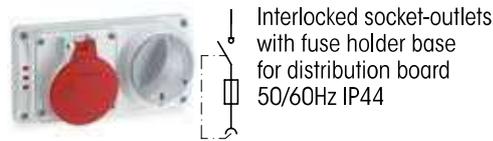
Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110	Yellow	2P+⊕	4	493124	1
	230	Blue	2P+⊕	6	493126	1
	400	Red	3P+⊕	6	493136	1
	400	Red	3P+N+⊕	6	493146	1
32	230	Blue	2P+⊕	6	493226	1
	400	Red	3P+⊕	6	493236	1
	400	Red	3P+N+⊕	6	493246	1

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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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	110	Yellow	2P+⊕	4	494124	1	
	230	Blue	2P+⊕	6	494126	1	
	10.3x38 fuses	400	Red	3P+⊕	6	494136	1
		400	Red	3P+N+⊕	6	494146	1
32	230	Blue	2P+⊕	6	494226	1	
	10.3x38 fuses	400	Red	3P+⊕	6	494236	1
		400	Red	3P+N+⊕	6	494246	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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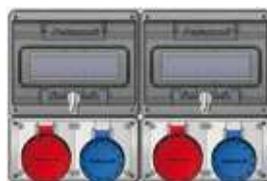
Examples of combinations



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

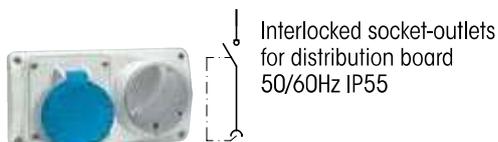


With signal socket-outlets using the spacer kits code **579591**



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	495124 *	1
	110	Yellow	3P+⊕	4	495134	1
	110	Yellow	3P+N+⊕	4	495144	1
	230	Blue	2P+⊕	6	495126*	1
	230	Blue	3P+⊕	9	495139	1
	230	Blue	3P+N+⊕	9	495149	1
	400	Red	2P+⊕	9	495129	1
	400	Red	3P+⊕	6	495136*	1
	400	Red	3P+N+⊕	6	495146*	1
	32	110	Yellow	2P+⊕	4	495224*
110		Yellow	3P+⊕	4	495234	1
110		Yellow	3P+N+⊕	4	495244	1
230		Blue	2P+⊕	6	495226*	1
230		Blue	3P+⊕	9	495239	1
230		Blue	3P+N+⊕	9	495249	1
400		Red	2P+⊕	9	495229	1
400		Red	3P+⊕	6	495236*	1
400		Red	3P+N+⊕	6	495246*	1
380/440		Red	3P+⊕	3	495233*	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:

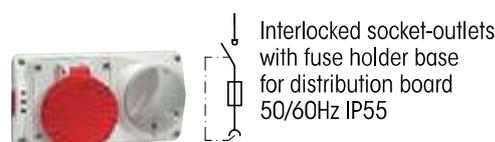


Socket-outlet with safety transformer (SELV) for distribution board 50/60Hz IP55

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



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 10,3x38 fuses	110	Yellow	2P+⊕	4	496124	1
	110	Yellow	3P+⊕	4	496134	1
	110	Yellow	3P+N+⊕	4	496144	1
	230	Blue	2P+⊕	6	496126	1
	230	Blue	3P+⊕	9	496139	1
	230	Blue	3P+N+⊕	9	496149	1
	400	Red	2P+⊕	9	496129	1
	400	Red	3P+⊕	6	496136	1
	400	Red	3P+N+⊕	6	496146	1
	32 10,3x38 fuses	110	Yellow	2P+⊕	4	496224
110		Yellow	3P+⊕	4	496234	1
110		Yellow	3P+N+⊕	4	496244	1
230		Blue	2P+⊕	6	496226	1
230		Blue	3P+⊕	9	496239	1
230		Blue	3P+N+⊕	9	496249	1
400		Red	2P+⊕	9	496229	1
400		Red	3P+⊕	6	496236	1
400		Red	3P+N+⊕	6	496246	1
380/440		Red	3P+⊕	3	496233	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:



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	579718	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:





PRIMA

Compact horizontal interlocked socket-outlets in technopolymer



Distribution boards for PRIMA devices IP55

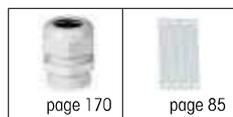
	Shape	Installable sockets	Power dissipation (W)	Outer dimensions (mm)	Palazzoli code	Pack Qty
9 modules		2	36	212x414	579620	1
blind		2	36	212x414	579621	1
9+9 modules		2	50	424x280	579602	1
9+9 modules		4	70	424x410	579640	1
9 modules		4	70	424x410	579641	1
blind		4	70	424x410	579642	1

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:



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Bottom box for wall-mounting IP55

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

Equipment included: screw cover caps for double insulation.

Technical accessories:



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Bottom box for flush-mounting IP55

Dimensions (mm)	For sockets type	Palazzoli code	Pack Qty
132.5x235.5	PRIMA with lock switch	579510	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	575501	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	579612	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	580250	1



Closing flange for PRIMA distribution boards IP55

Dimensions (mm)	Palazzoli code	Pack Qty
206x103	579901	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	579582	1
579640, 579641 and 579642	579584	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	579591	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.



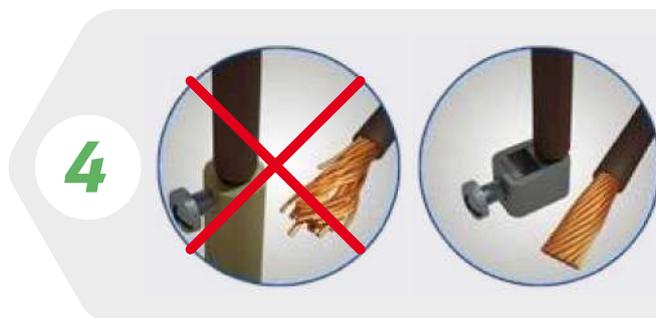
2

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	
Thermal current I_{th}	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 ²)
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	410124	1
	110	Yellow	3P+⊕	4	410134	1
	110	Yellow	3P+N+⊕	4	410144	1
	230	Blue	2P+⊕	6	410126	1
	230	Blue	3P+⊕	9	410139	1
	230	Blue	3P+N+⊕	9	410149	1
	400	Red	2P+⊕	9	410129	1
	400	Red	3P+⊕	6	410136	1
	400	Red	3P+N+⊕	6	410146	1
	500	Black	3P+⊕	7	410137	1
32	500	Black	3P+N+⊕	7	410147	1
	110	Yellow	2P+⊕	4	410224	1
	110	Yellow	3P+⊕	4	410234	1
	110	Yellow	3P+N+⊕	4	410244	1
	230	Blue	2P+⊕	6	410226	1
	230	Blue	3P+⊕	9	410239	1
	230	Blue	3P+N+⊕	9	410249	1
	400	Red	2P+⊕	9	410229	1
	400	Red	3P+⊕	6	410236	1
	400	Red	3P+N+⊕	6	410246	1
63	500	Black	3P+⊕	7	410237	1
	500	Black	3P+N+⊕	7	410247	1
	380-440	Red	3P+⊕	3	410233	1
	110	Yellow	2P+⊕	4	410324	1
	110	Yellow	3P+⊕	4	410334	1
	110	Yellow	3P+N+⊕	4	410344	1
	230	Blue	2P+⊕	6	410326	1
	230	Blue	3P+⊕	9	410339	1
	230	Blue	3P+N+⊕	9	410349	1
	400	Red	2P+⊕	9	410329	1
125	400	Red	3P+⊕	6	410336	1
	400	Red	3P+N+⊕	6	410346	1
	500	Black	3P+⊕	7	410337	1
	500	Black	3P+N+⊕	7	410347	1
	110	Yellow	3P+⊕	4	410434	1
	110	Yellow	3P+N+⊕	4	410444	1
	230	Blue	3P+⊕	9	410439	1
	230	Blue	3P+N+⊕	9	410449	1
	400	Red	3P+⊕	6	410436	1
	400	Red	3P+N+⊕	6	410446	1
500	Black	3P+⊕	7	410437	1	
500	Black	3P+N+⊕	7	410447	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	419010	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	412124	1
	230	65x83	Blue	2P+⊕	6	412126	1
	400	65x83	Red	3P+⊕	6	412136	1
	400	65x83	Red	3P+N+⊕	6	412146	1
32	110	65x83	Yellow	2P+⊕	4	412224	1
	230	65x83	Blue	2P+⊕	6	412226	1
	400	65x83	Red	3P+⊕	6	412236	1
	400	100x108	Red	3P+N+⊕	6	412246	1
63	380-440	65x83	Red	3P+⊕	3	412233	1
	230	100x108	Blue	2P+⊕	6	412326	1
	400	100x108	Red	3P+⊕	6	412336	1
	400	100x108	Red	3P+N+⊕	6	412346	1
125	400	114x114	Red	3P+⊕	6	412436	1
	400	114x114	Red	3P+N+⊕	6	412446	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	413124	1
	230	65x83	Blue	2P+⊕	6	413126	1
	400	65x83	Red	3P+⊕	6	413136	1
	400	65x83	Red	3P+N+⊕	6	413146	1
32	110	65x83	Yellow	2P+⊕	4	413224	1
	230	65x83	Blue	2P+⊕	6	413226	1
	400	65x83	Red	3P+⊕	6	413236	1
	400	100x108	Red	3P+N+⊕	6	413246	1
63	230	100x108	Blue	2P+⊕	6	413326	1
	400	100x108	Red	3P+⊕	6	413336	1
	400	100x108	Red	3P+N+⊕	6	413346	1
125	400	114x114	Red	3P+⊕	6	413436	1
	400	114x114	Red	3P+N+⊕	6	413446	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	416124	1
	230	Blue	2P+⊕	6	416126	1
	400	Red	3P+⊕	6	416136	1
	400	Red	3P+N+⊕	6	416146	1
32	110	Yellow	2P+⊕	4	416224	1
	230	Blue	2P+⊕	6	416226	1
	400	Red	3P+⊕	6	416236	1
	400	Red	3P+N+⊕	6	416246	1
63	230	Blue	2P+⊕	6	416326	1
	400	Red	3P+⊕	6	416336	1
	400	Red	3P+N+⊕	6	416346	1
125	400	Red	3P+⊕	6	416436*	1
	400	Red	3P+N+⊕	6	416446*	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	Yellow	2P+⊕	4	419124	1
	50/60Hz	110	Yellow	3P+⊕	4	419134	1
	50/60Hz	110	Yellow	3P+N+⊕	4	419144	1
	50/60Hz	220	Blue	2P+⊕	6	419126	1
	50/60Hz	220	Blue	3P+⊕	9	419139	1
	50/60Hz	220	Blue	3P+N+⊕	9	419149	1
	50/60Hz	400	Red	2P+⊕	9	419129	1
	50/60Hz	400	Red	3P+⊕	6	419136	1
	50/60Hz	400	Red	3P+N+⊕	6	419146	1
	50/60Hz	500	Black	2P+⊕	7	419127	1
	50/60Hz	500	Black	3P+⊕	7	419137	1
	50/60Hz	500	Black	3P+N+⊕	7	419147	1
	50/60Hz	690	Black	3P+⊕	5	419135	1
	50/60Hz	690	Black	3P+N+⊕	5	419145	1
	100-300Hz	>50	Green	2P+⊕	10	419120	1
	100-300Hz	>50	Green	3P+⊕	10	419130	1
	100-300Hz	>50	Green	3P+N+⊕	10	419140	1
	60Hz	440-460	Red	3P+⊕	11	419131	1
	60Hz	440-460	Red	3P+N+⊕	11	419141	1
	50/60Hz	>50	Grey	2P+⊕	12	419128	1
	50/60Hz	>50	Grey	3P+⊕	12	419138	1
	300/500Hz	>50	Green	2P+⊕	2	419122	1
	300/500Hz	>50	Green	3P+⊕	2	419132	1
	300/500Hz	>50	Green	3P+N+⊕	2	419142	1
	50/60Hz	380-440	Red	3P+⊕	3	419133	1
	50/60Hz	380-440	Red	3P+N+⊕	3	419143	1
	50/60Hz	110	Yellow	2P+⊕	4	419224	1
	50/60Hz	110	Yellow	3P+⊕	4	419234	1
	50/60Hz	110	Yellow	3P+N+⊕	4	419244	1
	50/60Hz	220	Blue	2P+⊕	6	419226	1
	50/60Hz	220	Blue	3P+⊕	9	419239	1
	50/60Hz	220	Blue	3P+N+⊕	9	419249	1
50/60Hz	400	Red	2P+⊕	9	419229	1	
50/60Hz	400	Red	3P+⊕	6	419236	1	
50/60Hz	400	Red	3P+N+⊕	6	419246	1	
50/60Hz	500	Black	2P+⊕	7	419227	1	
50/60Hz	500	Black	3P+⊕	7	419237	1	
50/60Hz	500	Black	3P+N+⊕	7	419247	1	
50/60Hz	690	Black	3P+⊕	5	419235	1	
50/60Hz	690	Black	3P+N+⊕	5	419245	1	
100-300Hz	>50	Green	2P+⊕	10	419220	1	
100-300Hz	>50	Green	3P+⊕	10	419230	1	
100-300Hz	>50	Green	3P+N+⊕	10	419240	1	
60Hz	440-460	Red	3P+⊕	11	419231	1	
60Hz	440-460	Red	3P+N+⊕	11	419241	1	
50/60Hz	>50	Grey	2P+⊕	12	419228	1	
50/60Hz	>50	Grey	3P+⊕	12	419238	1	
300/500Hz	>50	Green	2P+⊕	2	419222	1	
300/500Hz	>50	Green	3P+⊕	2	419232	1	
300/500Hz	>50	Green	3P+N+⊕	2	419242	1	
50/60Hz	380-440	Red	3P+⊕	3	419233	1	
50/60Hz	380-440	Red	3P+N+⊕	3	419243	1	

Rated current (A)	Frequency	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63	50/60Hz	110	Yellow	2P+⊕	4	419324	1
	50/60Hz	110	Yellow	3P+⊕	4	419334	1
	50/60Hz	110	Yellow	3P+N+⊕	4	419344	1
	50/60Hz	220	Blue	2P+⊕	6	419326	1
	50/60Hz	220	Blue	3P+⊕	9	419339	1
	50/60Hz	220	Blue	3P+N+⊕	9	419349	1
	50/60Hz	400	Red	2P+⊕	9	419329	1
	50/60Hz	400	Red	3P+⊕	6	419336	1
	50/60Hz	400	Red	3P+N+⊕	6	419346	1
	50/60Hz	500	Black	2P+⊕	7	419327	1
	50/60Hz	500	Black	3P+⊕	7	419337	1
	50/60Hz	500	Black	3P+N+⊕	7	419347	1
	50/60Hz	690	Black	3P+⊕	5	419335	1
	50/60Hz	690	Black	3P+N+⊕	5	419345	1
	100-300Hz	>50	Green	2P+⊕	10	419320	1
	100-300Hz	>50	Green	3P+⊕	10	419330	1
	100-300Hz	>50	Green	3P+N+⊕	10	419340	1
	60Hz	440-460	Red	3P+⊕	11	419331	1
	60Hz	440-460	Red	3P+N+⊕	11	419341	1
	50/60Hz	>50	Grey	2P+⊕	12	419328	1
	50/60Hz	>50	Grey	3P+⊕	12	419338	1
	300/500Hz	>50	Green	2P+⊕	2	419322	1
	300/500Hz	>50	Green	3P+⊕	2	419332	1
	300/500Hz	>50	Green	3P+N+⊕	2	419342	1
	50/60Hz	380-440	Red	3P+⊕	3	419333	1
	50/60Hz	380-440	Red	3P+N+⊕	3	419343	1
	50/60Hz	110	Yellow	2P+⊕	4	419424	1
	50/60Hz	110	Yellow	3P+⊕	4	419434	1
	50/60Hz	110	Yellow	3P+N+⊕	4	419444	1
	50/60Hz	220	Blue	2P+⊕	6	419426	1
	50/60Hz	220	Blue	3P+⊕	9	419439	1
	50/60Hz	220	Blue	3P+N+⊕	9	419449	1
50/60Hz	400	Red	2P+⊕	9	419429	1	
50/60Hz	400	Red	3P+⊕	6	419436	1	
50/60Hz	400	Red	3P+N+⊕	6	419446	1	
50/60Hz	500	Black	2P+⊕	7	419427	1	
50/60Hz	500	Black	3P+⊕	7	419437	1	
50/60Hz	500	Black	3P+N+⊕	7	419447	1	
50/60Hz	690	Black	3P+⊕	5	419435	1	
50/60Hz	690	Black	3P+N+⊕	5	419445	1	
100-300Hz	>50	Green	2P+⊕	10	419420	1	
100-300Hz	>50	Green	3P+⊕	10	419430	1	
100-300Hz	>50	Green	3P+N+⊕	10	419440	1	
60Hz	440-460	Red	3P+⊕	11	419431	1	
60Hz	440-460	Red	3P+N+⊕	11	419441	1	
50/60Hz	>50	Grey	2P+⊕	12	419428	1	
50/60Hz	>50	Grey	3P+⊕	12	419438	1	
300/500Hz	>50	Green	2P+⊕	2	419422	1	
300/500Hz	>50	Green	3P+⊕	2	419432	1	
300/500Hz	>50	Green	3P+N+⊕	2	419442	1	
50/60Hz	380-440	Red	3P+⊕	3	419433	1	
50/60Hz	380-440	Red	3P+N+⊕	3	419443	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	419001	5
	3P+≋	6.3 - 18	419002	5
	3P+N+≋	9 - 23	419003	5
2P+≋ / 3P+≋	9 - 23			
32	3P+N+≋	13 - 27	419004	5
	2P+≋ / 3P+≋ / 3P+N+≋	14 - 36	419005	5
125	2P+≋ / 3P+≋ / 3P+N+≋	16 - 50	419006	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	419021	5
	3P+≋	65x83	419022	5
	3P+N+≋	65x83	419023	5
2P+≋ / 3P+≋	65x83			
32	3P+N+≋	100x108	419024	5
	2P+≋ / 3P+≋ / 3P+N+≋	100 x 108	419025	5
125	2P+≋ / 3P+≋ / 3P+N+≋	114x114	419026	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	419031	5
	3P+≋	65x83	419032	5
	3P+N+≋	65x83	419033	5
2P+≋ / 3P+≋	65x83			
32	3P+N+≋	100x108	419034	5
	2P+≋ / 3P+≋ / 3P+N+≋	100x108	419035	5
125	2P+≋ / 3P+≋ / 3P+N+≋	114x114	419036	5



Safety padlock with keys for rotoswitches

Wire diameter (mm)	Material	Palazzoli code	Pack Qty
2.75	steel - brass	419000	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	532131	1
32-63	100x108	125x185	532132	1
125	114x114		532133*	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	532101	1
32-63	100x108	125x185	532102	1
125	114x114		532103	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	532121	1
32-63	2x(100x108)	125x352	532122*	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	532841	1



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

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

TAIS





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	
Thermal current I_{th}	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	-
	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

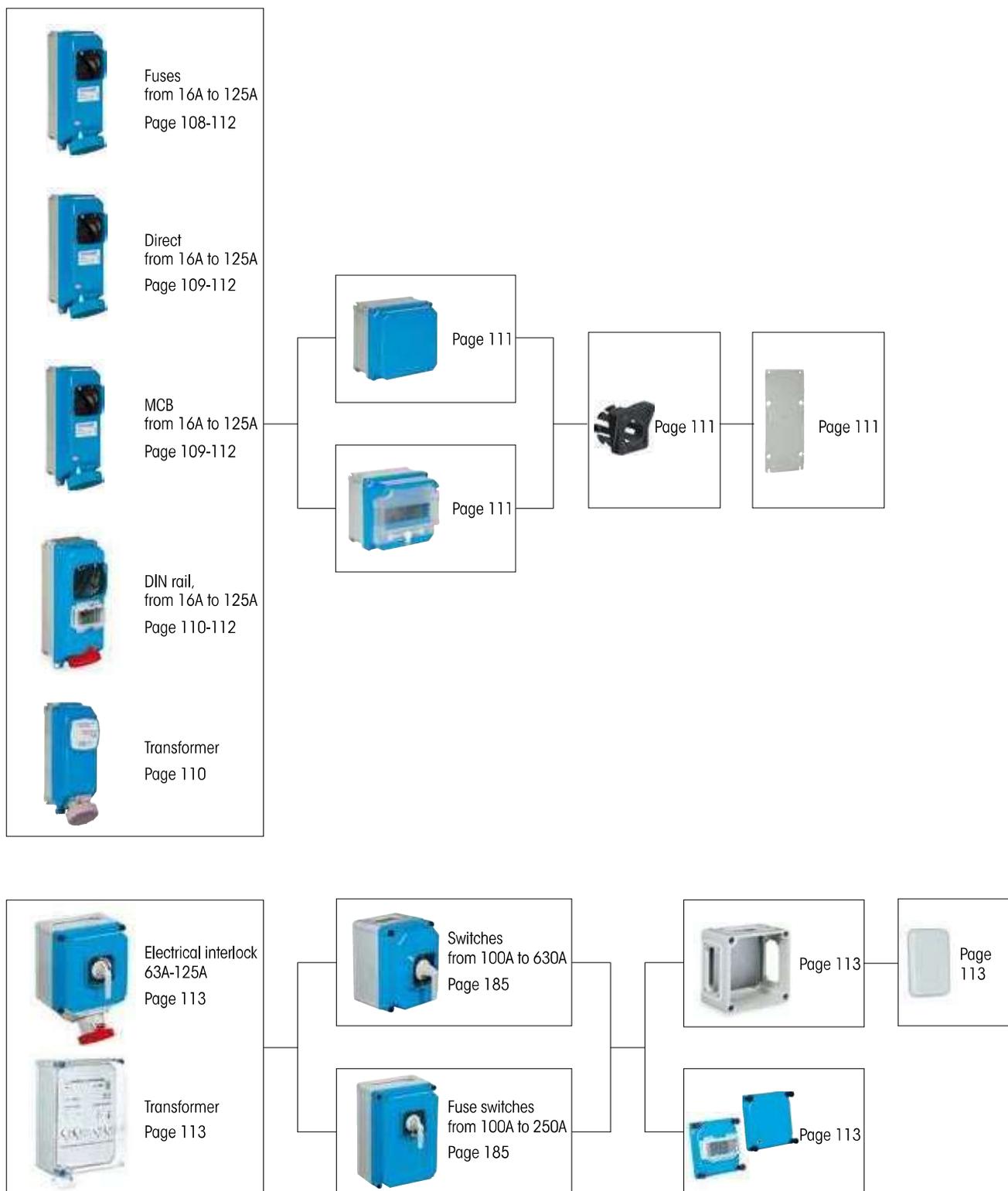
Wiring data:		16A	32A	63A	125A
Entry cable cross-section	mm ²	1 - 10	6 - 35	10 - 70	
Tightening torque	Nm	2	3	4	



TAIS

Increased safety interlocked socket-outlets in thermosetting GRP

MODULARITY



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



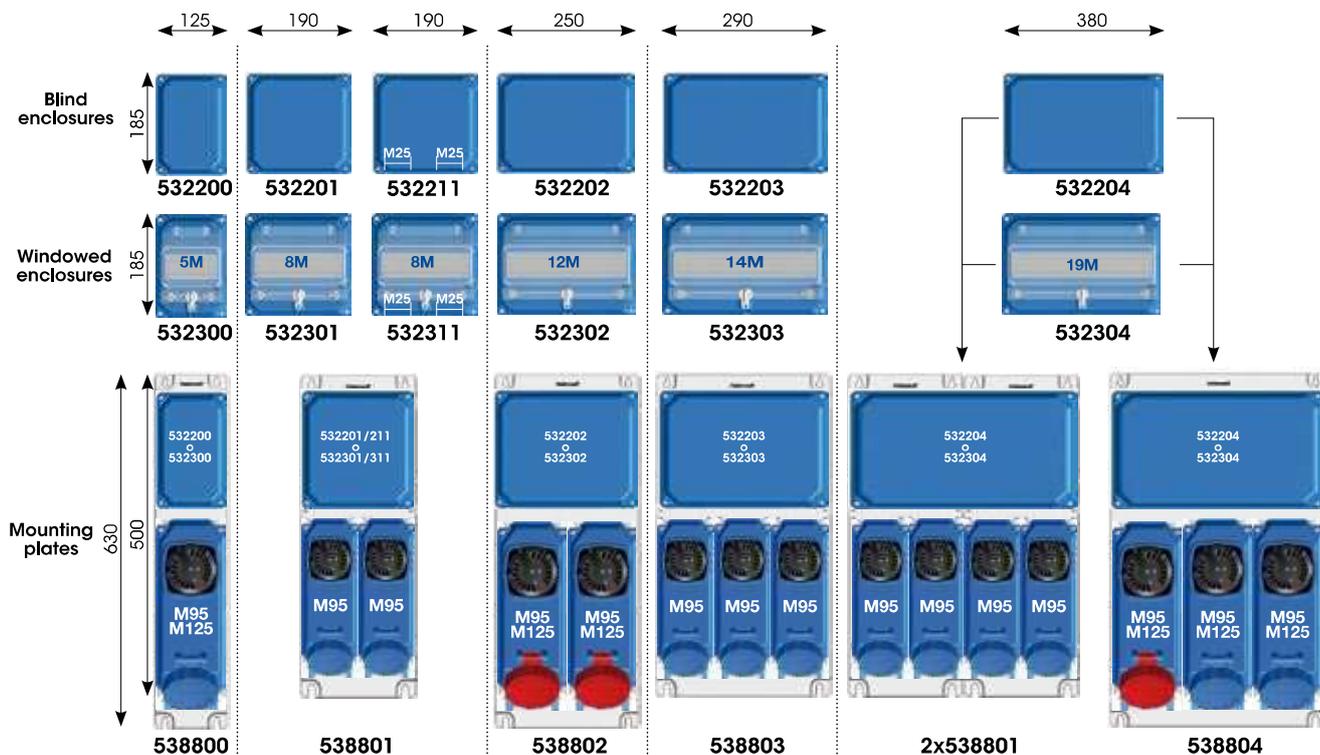
Quick-coupling fittings

M25 538425
M32 538432

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

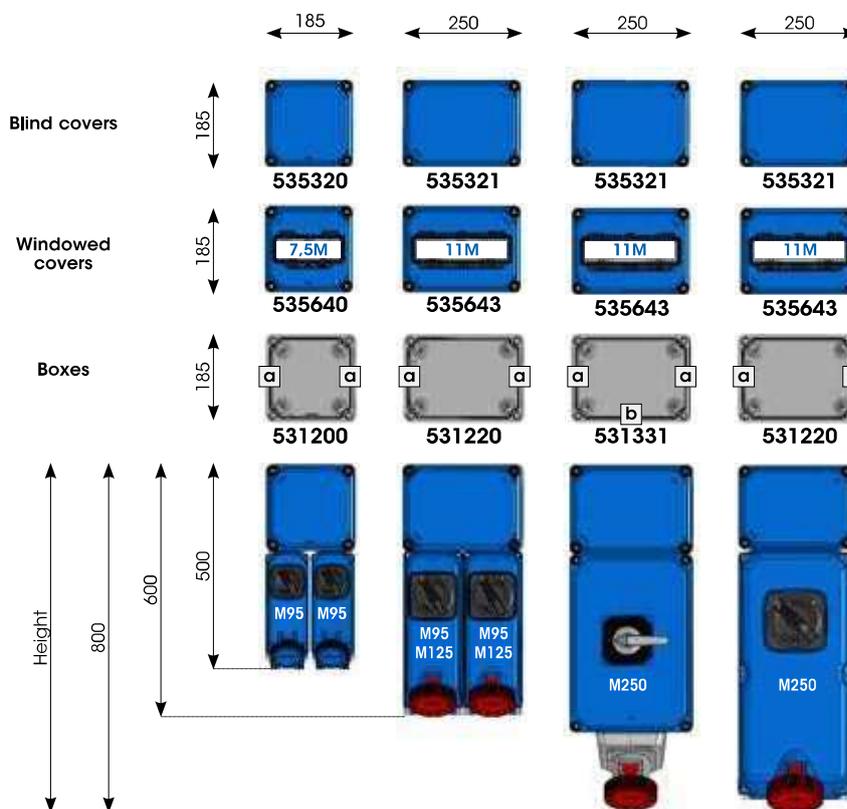
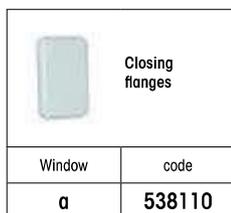
Threaded coupling fittings



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

				Wall-mounted interlocked socket-outlets IP66/IP67/IP69									
				M95 M25 entry	M125 M32 entry	M250 blind entry	M95 M25 entry	M125 M32 entry	M250 blind entry	M250 Window b	M250 Window b	M95 M25 entry	M125 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



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	Yellow	2P+⊕	4	472610	1		
	50/60Hz	110	Yellow	3P+⊕	4	472710	1		
	50/60Hz	110	Yellow	3P+N+⊕	4	472810	1		
	50/60Hz	230	Blue	2P+⊕	6	472620	1		
	50/60Hz	230	Blue	3P+⊕	9	472720	1		
	50/60Hz	230	Blue	3P+N+⊕	9	472820	1		
	50/60Hz	400	Red	2P+⊕	9	472630	1		
	50/60Hz	400	Red	3P+⊕	6	472730	1		
	50/60Hz	400	Red	3P+N+⊕	6	472830	1		
	M25 entry	50/60Hz	500	Black	3P+⊕	7	472750	1	
		50/60Hz	500	Black	3P+N+⊕	7	472840	1	
		10.3x38 fuses	50/60Hz	>50*	Grey	2P+⊕	12	472640	1
			50/60Hz	>50*	Grey	3P+⊕	12	472760	1
		100-300Hz	>50	Green	2P+⊕	10	472650	1	
		100-300Hz	>50	Green	3P+⊕	10	472780	1	
		100-300Hz	>50	Green	3P+N+⊕	10	472870	1	
>300/500Hz		>50	Green	2P+⊕	2	472660	1		
>300/500Hz		>50	Green	3P+⊕	2	472790	1		
>300/500Hz		>50	Green	3P+N+⊕	2	472880	1		
32	60Hz	440-460	Red	3P+⊕	11	472740	1		
	60Hz	440-460	Red	3P+N+⊕	11	472850	1		
	DC	>50-250	Grey	2P+⊕	3	472670	1		
M25 entry	50/60Hz	110	Yellow	2P+⊕	4	468224	1		
	50/60Hz	110	Yellow	3P+⊕	4	468234	1		
	50/60Hz	230	Blue	2P+⊕	6	468226	1		
	50/60Hz	230	Blue	3P+⊕	9	468239	1		
	10.3x38 fuses	50/60Hz	400	Red	2P+⊕	9	468229	1	
		50/60Hz	400	Red	3P+⊕	6	468236	1	
50/60Hz	380/440	Red	3P+⊕	3	468233	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	Yellow	2P+⊕	4	472611	1		
	50/60Hz	110	Yellow	3P+⊕	4	472711	1		
	50/60Hz	110	Yellow	3P+N+⊕	4	472811	1		
	50/60Hz	230	Blue	2P+⊕	6	472621	1		
	50/60Hz	230	Blue	3P+⊕	9	472721	1		
	50/60Hz	230	Blue	3P+N+⊕	9	472821	1		
	50/60Hz	400	Red	2P+⊕	9	472631	1		
	50/60Hz	400	Red	3P+⊕	6	472731	1		
	50/60Hz	400	Red	3P+N+⊕	6	472831	1		
	M32 entry	50/60Hz	500	Black	3P+⊕	7	472751	1	
		50/60Hz	500	Black	3P+N+⊕	7	472841	1	
		fuses 14x51	50/60Hz	690	Black	3P+⊕	5	472754	1
			50/60Hz	690	Black	3P+N+⊕	5	472854	1
		50/60Hz	>50*	Grey	2P+⊕	12	472641	1	
		100-300Hz	>50	Green	2P+⊕	10	472651	1	
		100-300Hz	>50	Green	3P+⊕	10	472781	1	
100-300Hz		>50	Green	3P+N+⊕	10	472871	1		
>300/500Hz		>50	Green	2P+⊕	2	472661	1		
>300/500Hz		>50	Green	3P+⊕	2	472791	1		
>300/500Hz	>50	Green	3P+N+⊕	2	472881	1			
63	60Hz	440-460	Red	3P+⊕	11	472741	1		
	60Hz	440-460	Red	3P+N+⊕	11	472851	1		
	DC	>50-250	Grey	2P+⊕	3	472671	1		
M32 entry	50/60Hz	380/440	Red	3P+⊕	3	472771	1		
	50/60Hz	380/440	Red	3P+N+⊕	3	472861	1		
	50/60Hz	110	Yellow	2P+⊕	4	472612	1		
	50/60Hz	110	Yellow	3P+⊕	4	472712	1		
	50/60Hz	110	Yellow	3P+N+⊕	4	472812	1		
	50/60Hz	230	Blue	2P+⊕	6	472622	1		
fuses 22x58	50/60Hz	230	Blue	3P+⊕	9	472722	1		
	50/60Hz	230	Blue	3P+N+⊕	9	472822	1		
	50/60Hz	400	Red	2P+⊕	9	472632	1		
	50/60Hz	400	Red	3P+⊕	6	472732	1		
	50/60Hz	400	Red	3P+N+⊕	6	472832	1		
	50/60Hz	500	Black	3P+⊕	7	472752	1		
	50/60Hz	500	Black	3P+N+⊕	7	472842	1		
	50/60Hz	690	Black	3P+⊕	5	472755	1		
	50/60Hz	690	Black	3P+N+⊕	5	472855	1		
	50/60Hz	>50*	Grey	2P+⊕	12	472642	1		
50/60Hz	>50*	Grey	3P+⊕	12	472762	1			
63	60Hz	440-460	Red	3P+⊕	11	472742	1		
	60Hz	440-460	Red	3P+N+⊕	11	472852	1		
	DC	>50-250	Grey	2P+⊕	3	472672	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	470126	1
	400	Red	3P+⊕	6	470136	1
	400	Red	3P+N+⊕	6	470146	1
32 M25 entry	230	Blue	2P+⊕	6	469226	1
	400	Red	3P+⊕	6	469236	1
	380/440	Red	3P+⊕	3	469233	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	467124	1
	230	Blue	2P+⊕	6	467126	1
	400	Red	3P+⊕	6	467136	1
32 M32 entry	400	Red	3P+N+⊕	6	467146	1
	230	Blue	2P+⊕	6	470226	1
	400	Red	3P+⊕	6	470236	1
63 M32 entry	400	Red	3P+N+⊕	6	470246	1
	380/440	Red	3P+⊕	3	470233	1
	230	Blue	2P+⊕	6	470326	1
63 M32 entry	400	Red	3P+⊕	6	470336	1
	400	Red	3P+N+⊕	6	470346	1

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

Technical accessories:



MODULE 125



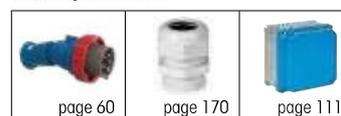
Wall-mounted interlocked socket-outlets
with MCB protection
IP66/IP67/IP69



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	474210	1	
	50/60Hz	110	Yellow	3P+⊕	4	474310	1	
	50/60Hz	110	Yellow	3P+N+⊕	4	474410	1	
	50/60Hz	230	Blue	2P+⊕	6	474220	1	
	50/60Hz	230	Blue	3P+⊕	9	474320	1	
	50/60Hz	230	Blue	3P+N+⊕	9	474420	1	
	Switch 4.5kA curve C	50/60Hz	400	Red	2P+⊕	9	474230	1
		50/60Hz	400	Red	3P+⊕	6	474330	1
	50/60Hz	400	Red	3P+N+⊕	6	474430	1	
		60Hz	440-460	Red	3P+⊕	11	474340	1
	32 M32 entry	50/60Hz	110	Yellow	2P+⊕	4	474611	1
		50/60Hz	110	Yellow	3P+⊕	4	474711	1
50/60Hz		110	Yellow	3P+N+⊕	4	474811	1	
50/60Hz		230	Blue	2P+⊕	6	474621	1	
50/60Hz		230	Blue	3P+⊕	9	474721	1	
50/60Hz		230	Blue	3P+N+⊕	9	474821	1	
Switch 6kA curve C		50/60Hz	400	Red	2P+⊕	9	474631	1
		50/60Hz	400	Red	3P+⊕	6	474731	1
50/60Hz		400	Red	3P+N+⊕	6	474831	1	
		60Hz	440-460	Red	3P+⊕	11	474741	1
50/60Hz		440-460	Red	3P+N+⊕	11	474851	1	
		380/440	Red	3P+⊕	3	474771	1	
63 M32 entry	50/60Hz	110	Yellow	2P+⊕	4	474612	1	
	50/60Hz	110	Yellow	3P+⊕	4	474712	1	
	50/60Hz	110	Yellow	3P+N+⊕	4	474812	1	
	50/60Hz	230	Blue	2P+⊕	6	474622	1	
	50/60Hz	230	Blue	3P+⊕	9	474722	1	
	50/60Hz	230	Blue	3P+N+⊕	9	474822	1	
	Switch 10kA curve C	50/60Hz	400	Red	2P+⊕	9	474632	1
		50/60Hz	400	Red	3P+⊕	6	474732	1
	50/60Hz	400	Red	3P+N+⊕	6	474832	1	
		60Hz	440-460	Red	3P+⊕	11	474742	1
	60Hz	440-460	Red	3P+N+⊕	11	474852	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	230	Blue	2P+⊕	6	472020	1
M25 entry 4 modules	400	Red	3P+⊕	6	472130	1
	400	Red	3P+N+⊕	6	472240	1
32 M32 entry 4 modules	230	Blue	2P+⊕	6	472021	1
	400	Red	3P+⊕	6	472131	1
	400	Red	3P+N+⊕	6	472241	1
63 M32 entry 4 modules	380/440	Red	3P+⊕	3	472133	1
	230	Blue	2P+⊕	6	472022	1
63 M32 entry 4 modules	400	Red	3P+⊕	6	472132	1
	400	Red	3P+N+⊕	6	472242	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	469873	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	471873	1
	400/24	2P	144	471893	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	532131	1
100x108	125x185	532132	1
114x114		532133	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	532101	1
100x108	125x185	532102	1
114x114		532103	1

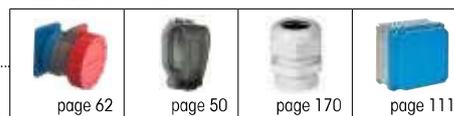


Wall-mounted modular boxes with TAIS system for 2 panel-mounted devices
IP66/IP67/IP68/IP69

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

INTERLOCKED
SOCKET-OUTLETS



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	532200	1
190x185x125	-	2	-	532201	1
190x185x125	2xM25	2	-	532211	1
250x185x125	-	2	2	532202	1
290x185x125	-	3	-	532203	1
380x185x125	-	4	3	532204	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: 3x25mm², 4x16mm², 3x35mm², 4x25mm², 3x70mm², 4x35mm².



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	532300	1
190x185x150	-	2	-	8	532301	1
190x185x150	2xM25	2	-	8	532311	1
250x185x150	-	2	2	12	532302	1
290x185x150	-	3	-	14	532303	1
380x185x150	-	4	3	19	532304	1

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

Technical accessories:



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Back plates in galvanised steel for TAIS boxes

For quick-mounting boxes with dimensions (mm)	Palazzoli code	Pack Qty
125x185	532700	1
190x185	532701	1
250x185	532702	1
290x185	532703	1
380x185	532704	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	538800	1
190x500	2	-	538801	1
250x630	2	2	538802	1
290x500	3	-	538803	1
380x630	3	3	538804	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	538791	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	538425	1
M32	32,5	20	538432	1



Tamper-proof kit for sealing

Screw type	Description	Palazzoli code	Pack Qty
M5x20	stainless steel screws	532100	1

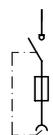
Features: cylindrical head hexagonal slot screws and 90° double crossed drilling.



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	482434	1
	110	Yellow	3P+N+⊕	4	482444	1
	230	Blue	2P+⊕	6	482426	1
	230	Blue	3P+⊕	9	482439	1
	230	Blue	3P+N+⊕	9	482449	1
	400	Red	3P+⊕	6	482436	1
	400	Red	3P+N+⊕	6	482446	1
	500	Black	3P+⊕	7	482437	1
	500	Black	3P+N+⊕	7	482447	1
	690	Black	3P+⊕	5	482435	1
	690	Black	3P+N+⊕	5	482445	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



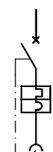
Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
125 blind entry	110	Yellow	3P+⊕	4	480434	1
	110	Yellow	3P+N+⊕	4	480444	1
	230	Blue	2P+⊕	6	480426	1
	230	Blue	3P+⊕	9	480439	1
	230	Blue	3P+N+⊕	9	480449	1
	400	Red	3P+⊕	6	480436	1
	400	Red	3P+N+⊕	6	480446	1
	500	Black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

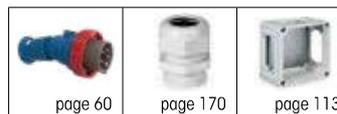


Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
125 blind entry switch 18kA*	110	Yellow	3P+⊕	4	484434	1
	110	Yellow	3P+N+⊕	4	484444	1
	230	Blue	3P+⊕	9	484439	1
	230	Blue	3P+N+⊕	9	484449	1
	400	Red	3P+⊕	6	484436	1
	400	Red	3P+N+⊕	6	484446	1
	500	Black	3P+⊕	7	484437	1
	500	Black	3P+N+⊕	7	484447	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	483436	1
	400	Red	3P+N+⊕	6	483446	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	478336	1
	400	●	3P+N+⊕	6	478346	1
	500	●	3P+⊕	7	478337	1
	500	●	3P+N+⊕	7	478347	1
125 window b	400	●	3P+⊕	6	478436	1
	400	●	3P+N+⊕	6	478446	1
	500	●	3P+⊕	7	478437	1
	500	●	3P+N+⊕	7	478447	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	476336	1
	400	●	3P+N+⊕	6	476346	1
	500	●	3P+⊕	7	476337	1
	500	●	3P+N+⊕	7	476347	1
125 window b	400	●	3P+⊕	6	476436	1
	400	●	3P+N+⊕	6	476446	1
	500	●	3P+⊕	7	476437	1
	500	●	3P+N+⊕	7	476447	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	471819	1
	400/48	2P	720	471839	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	531200	1
250x185x115	a → □ ← a	2x95/2x125 1x250	531220	1
250x185x115	a → □ ← a b	1x250 window b	531331	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	535320	1
250x185	25	535321	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	535640	1
250x185	11	25	30	535643	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	538110	2
b	175x60	15	538210	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	538421	1
29		M32	M32	538429	1
36		M40	M40	538436	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	581112	100
M16x1,5	16,5	3,5-10	15	581116	50
M20x1,5	20,5	7-14	15	581120	50
M25x1,5	25,5	9-18	15	581125	25
M32x1,5	32,5	14-25	15	581132	20
M40x1,5	40,5	18-32	16	581140	10
M50x1,5	50,5	24-38,5	16	581150	5
M63x1,5	63,5	35-48	16	581163	5



Metric pitch locknuts in insulating material

Threading	Palazzoli code	Pack Qty
M12x1,5	581212	50
M16x1,5	581216	50
M20x1,5	581220	50
M25x1,5	581225	50
M32x1,5	581232	50
M40x1,5	581240	20
M50x1,5	581250	10
M63x1,5	581263	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 - 20x5), 2 by 16x4 (earth and neutral), 3 of ø 9 (auxiliary circuits)	538180	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)	270326	1
		1 NO postponed	270327	1
		1 NC	270330	1
		1 NO	270331	1
		1 NO + 1 NC	270332	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	538410	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_{th}		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

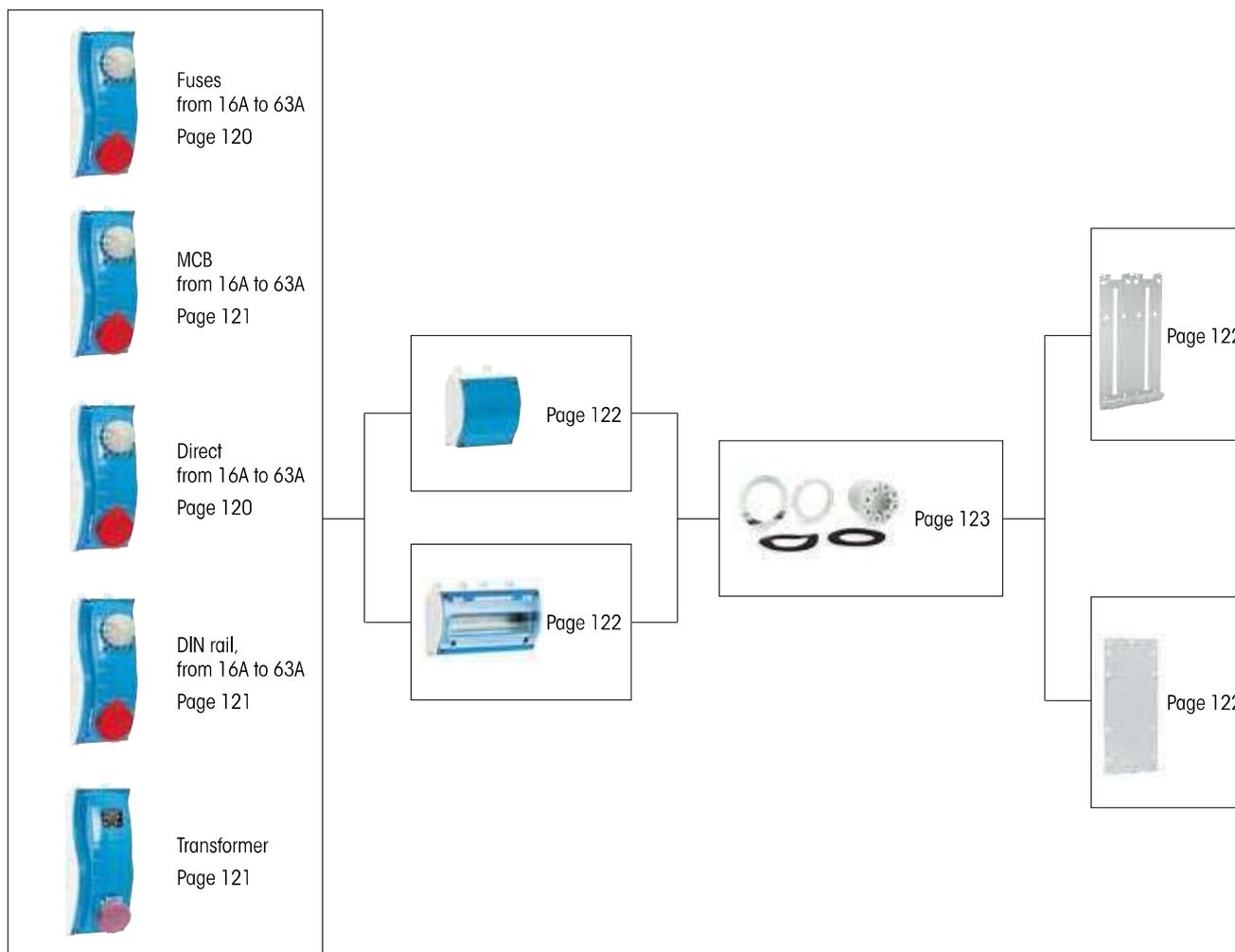
Pre-wiring data:			16A	32A	63A
Cable section		mm ²	2,5	6	10
Cable length		cm	40	40	40



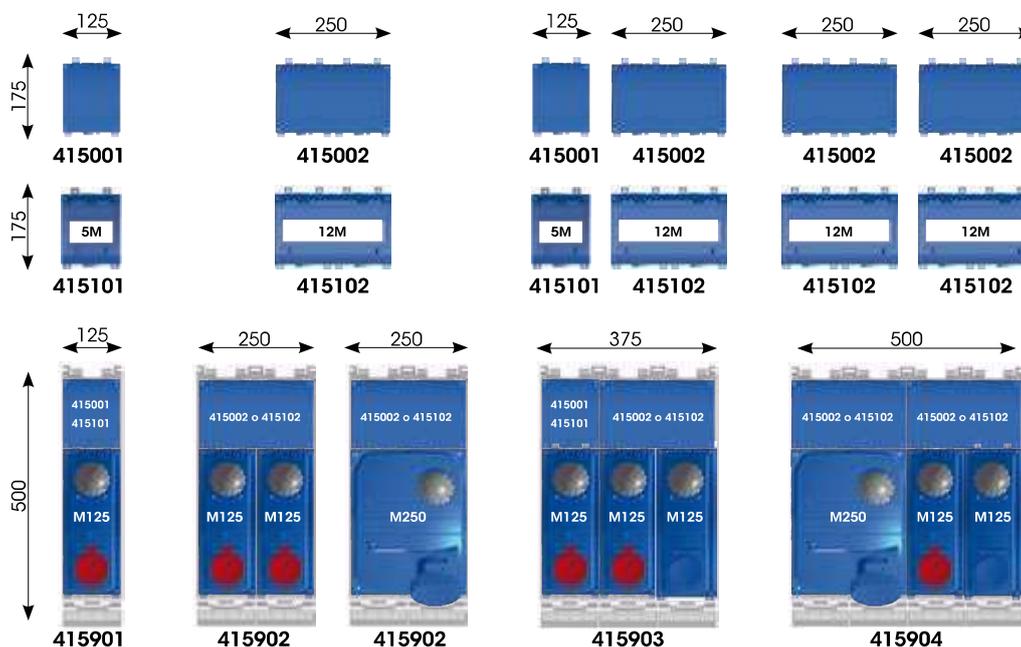
ULYSSE

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

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	400124	1
	110	Yellow	3P+⊕	4	400134	1
	110	Yellow	3P+N+⊕	4	400144	1
	230	Blue	2P+⊕	6	400126	1
	230	Blue	3P+⊕	9	400139	1
	230	Blue	3P+N+⊕	9	400149	1
	400	Red	2P+⊕	9	400129	1
	400	Red	3P+⊕	6	400136	1
	400	Red	3P+N+⊕	6	400146	1
32 entry Pg29 fuses 14x51	110	Yellow	2P+⊕	4	400224	1
	110	Yellow	3P+⊕	4	400234	1
	110	Yellow	3P+N+⊕	4	400244	1
	230	Blue	2P+⊕	6	400226	1
	230	Blue	3P+⊕	9	400239	1
	230	Blue	3P+N+⊕	9	400249	1
	400	Red	2P+⊕	9	400229	1
	400	Red	3P+⊕	6	400236	1
	400	Red	3P+N+⊕	6	400246	1
380/440	Red	3P+⊕	3	400233	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	400324	1
	110	Yellow	3P+⊕	4	400334	1
	110	Yellow	3P+N+⊕	4	400344	1
	230	Blue	2P+⊕	6	400326	1
	230	Blue	3P+⊕	9	400339	1
	230	Blue	3P+N+⊕	9	400349	1
	400	Red	2P+⊕	9	400329	1
	400	Red	3P+⊕	6	400336	1
	400	Red	3P+N+⊕	6	400346	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	408126	1
	400	Red	3P+⊕	6	408136	1
	400	Red	3P+N+⊕	6	408146	1
32 entry Pg29	230	Blue	2P+⊕	6	408226	1
	400	Red	3P+⊕	6	408236	1
	400	Red	3P+N+⊕	6	408246	1
380/440	Red	3P+⊕	3	408233	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

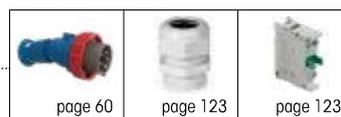
Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63 entry 2xPg29	230	Blue	2P+⊕	6	408326	1
	400	Red	3P+⊕	6	408336	1
	400	Red	3P+N+⊕	6	408346	1

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:

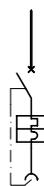




ULYSSE

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	230	Blue	2P+⊕	6	403126	1
entry Pg29	400	Red	3P+⊕	6	403136	1
switch 4.5kA curve C	400	Red	3P+N+⊕	6	403146	1
32	230	Blue	2P+⊕	6	403226	1
entry Pg29	400	Red	3P+⊕	6	403236	1
switch 6kA curve C	400	Red	3P+N+⊕	6	403246	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

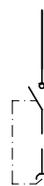
Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63	230	Blue	2P+⊕	6	403326	1
entry 2xPg29	400	Red	3P+⊕	6	403336	1
switch 10kA curve C	400	Red	3P+N+⊕	6	403346	1

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	230	Blue	2P+⊕	6	406126	1
entry Pg29	400	Red	3P+⊕	6	406136	1
4.5 modules	400	Red	3P+N+⊕	6	406146	1
32	230	Blue	2P+⊕	6	406226	1
entry Pg29	400	Red	3P+⊕	6	406236	1
4.5 modules	400	Red	3P+N+⊕	6	406246	1
	380/440	Red	3P+⊕	3	406233	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

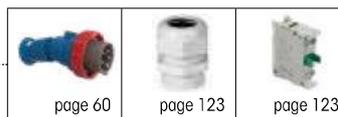


Wall-mounted interlocked socket-outlets with DIN rail 50/60Hz IP66/IP67

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63	230	Blue	2P+⊕	6	406326	1
entry 2xPg29	400	Red	3P+⊕	6	406336	1
6 modules	400	Red	3P+N+⊕	6	406346	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	409873	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	415001	1
250x175x128		2	415002	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	415101	1
250x175x128	12		2	415102	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	-	415901	1
250x500	2	1	415902	1
375x500	3	1	415903	1
500x500	4	2	415904	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	-	415801	1
250x540	2	1	415802	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	415000	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	581112	100
M16x1,5	16,5	3,5-10	15	581116	50
M20x1,5	20,5	7-14	15	581120	50
M25x1,5	25,5	9-18	15	581125	25
M32x1,5	32,5	14-25	15	581132	20
M40x1,5	40,5	18-32	16	581140	10
M50x1,5	50,5	24-38,5	16	581150	5
M63x1,5	63,5	35-48	16	581163	5



Metric pitch locknuts
in insulating material

Threading	Palazzoli code	Pack Qty
M12x1,5	581212	50
M16x1,5	581216	50
M20x1,5	581220	50
M25x1,5	581225	50
M32x1,5	581232	50
M40x1,5	581240	20
M50x1,5	581250	10
M63x1,5	581263	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)	270326	1
		1 NO postponed	270327	1
		1 NC	270330	1
		1 NO	270331	1
		1 NO + 1 NC	270332	1

Features: code 270332 consisting of 2 contacts.



Safety lock with keys

Shackle diameter (mm)	Material	Palazzoli code	Pack Qty
2,75	steel - brass	419000	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	538400	1
Pg16	22		
Pg21	29		
Pg29	38		
Pg36	46		
M20	20,5	538410	1
M25	25,5		
M32	32,5		
M40	40,5		

ALUPRES





ALUPRES

Interlocked socket-outlets in high-resistance marine aluminium

ADVANTAGES

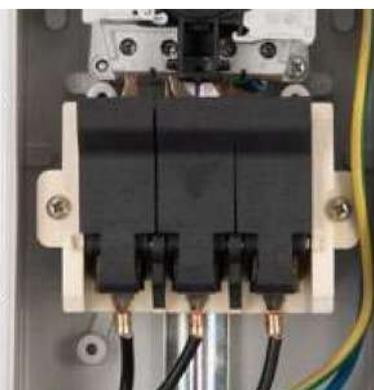


1

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.

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.

2



3

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

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

4





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	
Thermal current I_{th}	A	16	32	63	125	250	
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 ²	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.

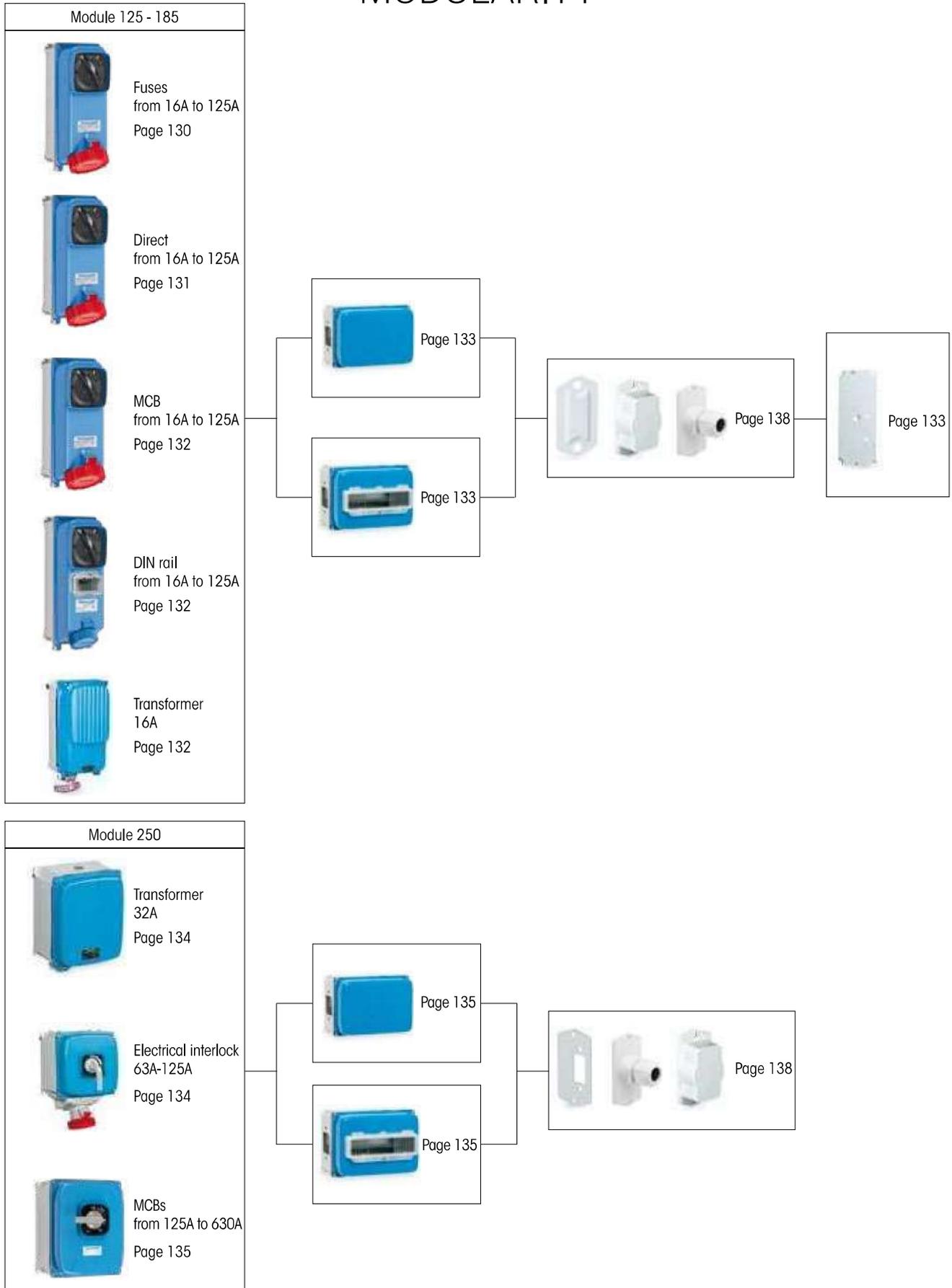




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Interlocked socket-outlets in high-resistance marine aluminium

MODULARITY





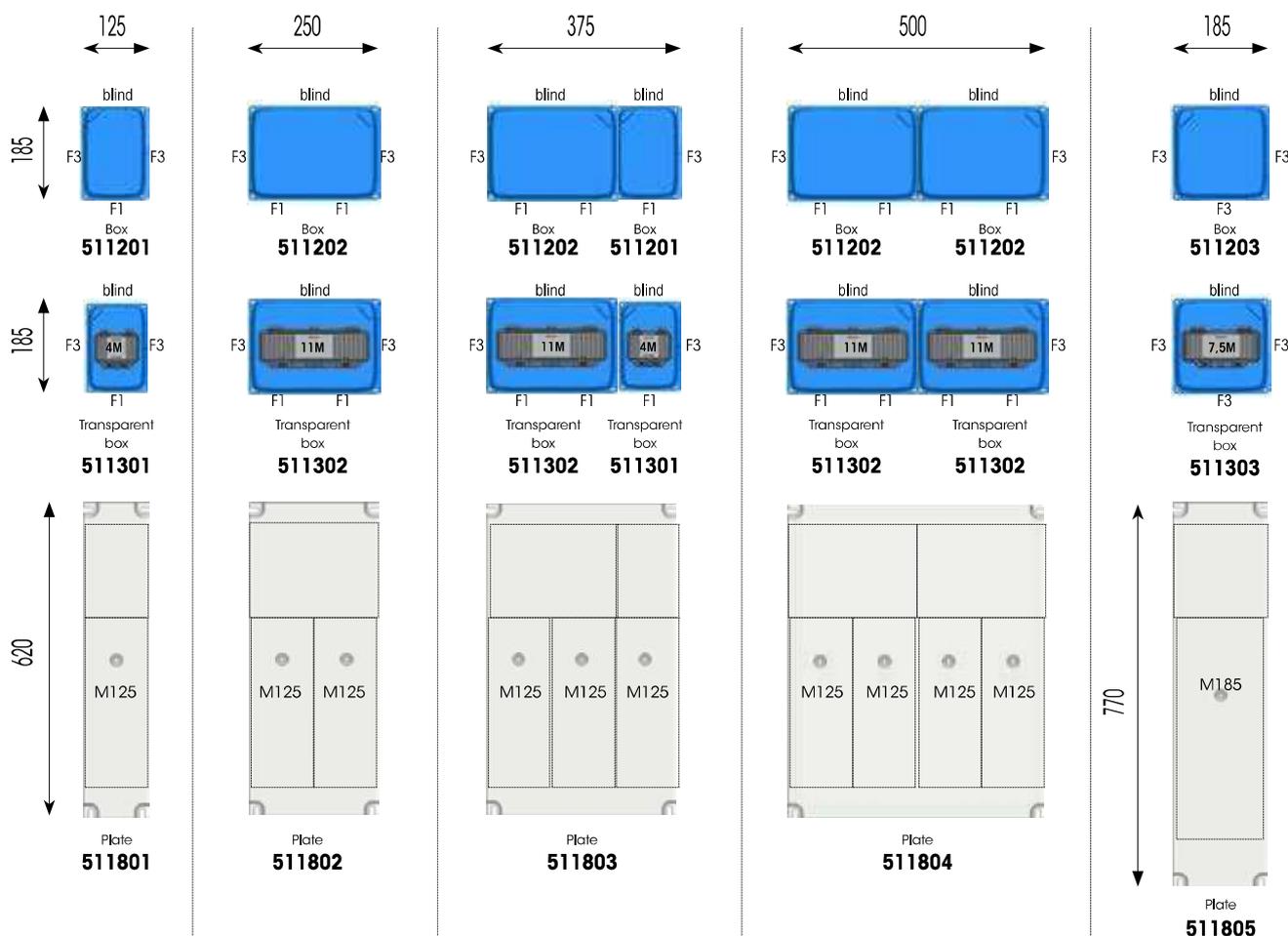
GUIDE TO THE PREPARATION OF DISTRIBUTION BOARDS from 16A to 125A

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

	Flat closing flange
For windows	Code
F3	540033

WALL-MOUNTED INTERLOCKED SOCKET-OUTLETS IP66/IP67/IP69							
I	V	No. of poles	M125	M185	M125	M185	M125
			entry F1	entry F3	entry F1	entry F3	entry F1
			Direct supply	Direct supply	Fuses	Fuses	Transformer 250VA
16A	230	● 2P+≐	466126		475126		
	400	● 3P+≐	466136		475136		
	400	● 3P+N+≐	466146		475146		
32A	230	● 2P+≐	460226		472336		
	400	● 3P+≐	460236		472446		
	400	● 3P+N+≐	460246		472456		
63A	400	● 3P+≐	460336		472447		
	400	● 3P+N+≐	460346		472457		
125A	400	● 3P+≐		460436		472418	
	400	● 3P+N+≐		460446		472428	
16A	24	● 2P 150 VA					471812

Examples of combinations



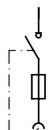
ALUPRES allows to create series up to 630A. The wealth of accessories (back plates, din rails, ceramic terminal blocks, flanges, etc.) offers great versatility in the solutions that can be realised.



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



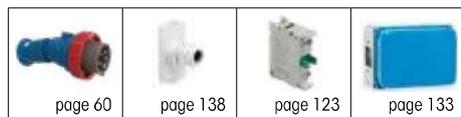
Wall-mounted interlocked socket-outlets with fuse holder base IP66/IP67/IP69



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

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

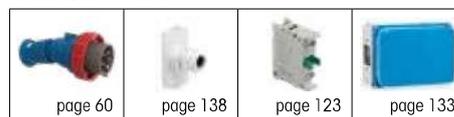
Technical accessories:



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

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

Technical accessories:





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Interlocked socket-outlets in high-resistance marine aluminium

MODULE 125



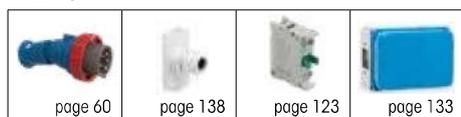
Wall-mounted interlocked socket-outlets IP66/IP67/IP69



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

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

Technical accessories:



MODULE 185



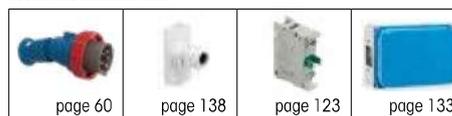
Wall-mounted interlocked socket-outlets IP66/IP67/IP69



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

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

Technical accessories:





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Interlocked socket-outlets in high-resistance marine aluminium

MODULE 125



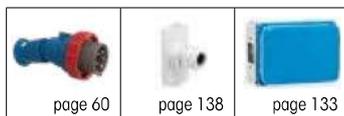
Wall-mounted interlocked socket-outlets with MCB protection IP66/IP67/IP69



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



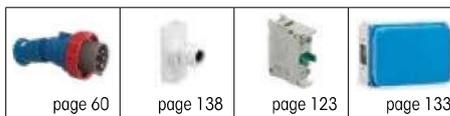
Wall-mounted interlocked socket-outlets with DIN rail IP66/IP67/IP69



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

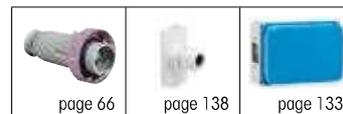


Wall-mounted socket-outlets with safety transformer 50/60Hz IP66/IP67/IP69

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

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

Technical accessories:





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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	-	511201	1
185x185		-	1	511203	1
250x185		2	-	511202	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	511301	1
185x185		-	1	7.5	511303	1
250x185		2	-	11	511302	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 ²	159040	10
78x101	3x25 mm ²	159032	1
92x128	4x25 mm ²	159042	5
86x128	3x35 mm ²	159033	5
102x150	4x35 mm ²	159043	1
100x150	3x70 mm ²	159034	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	521009	1
185x185	125	horizontal / diagonal	521012	1
250x185	170	illumination	521014	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	532700	1
185x185	160x140	532701	1
250x185	208x145	532702	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	511801	1
250x620	2		511802	1
376x620	3		511803	1
500x620	4		511804	1
185x770	1	185	511805	1

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	532895	1



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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	475336	1
	400	●	3P+N+≐	6	475346	1
	500	●	3P+≐	7	475337	1
125 entry F5	500	●	3P+N+≐	7	475347	1
	400	●	3P+≐	6	475436	1
	400	●	3P+N+≐	6	475446	1
125 entry F5	500	●	3P+≐	7	475437	1
	500	●	3P+N+≐	7	475447	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



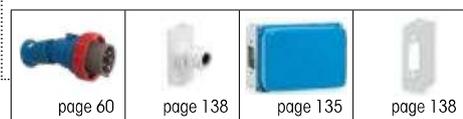
Wall-mounted socket-outlets with electrical interlock and MCB/RCD protection 50/60Hz IP65



Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63 entry F5	400	●	3P+≐	6	473336	1
	400	●	3P+N+≐	6	473346	1
	500	●	3P+≐	7	473337	1
125 entry F5	500	●	3P+N+≐	7	473347	1
	400	●	3P+≐	6	473436	1
	400	●	3P+N+≐	6	473446	1
125 entry F5	500	●	3P+≐	7	473437	1
	500	●	3P+N+≐	7	473447	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
 voltage U_{imp}
 18kA Breaking capacity I_{cu} (500V)
 Mechanical duration
 Electrical duration
 Overload protection regulation
 Short-circuit protection
 50%

800V Rated impulse-withstand
 8kV Breaking capacity I_{cu} (400V)
 8kA
 25000 operations
 8000 operations
 0.7-1 x I_n
 10 x Neutral protection

RCD

Protection type
 Operating voltage
 Operating frequency
 Failure frequency
 Trip threshold setting
 Intervention time
 Absorbed power

A - AC
 85-690V
 45-66Hz
 50-60Hz
 0.03A - 0.1A - 0.3A - 0.5A - 1A - 3A
 instantaneous
 <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	471818	1
	400/48	2P	720	471838	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	F4 F5	274401	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	F3	274402	1

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

Technical accessories:





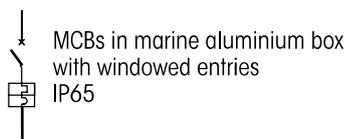
ALUPRES

Interlocked socket-outlets in high-resistance marine aluminium

MODULE 250



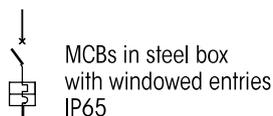
F5 exit



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

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

Technical accessories:



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

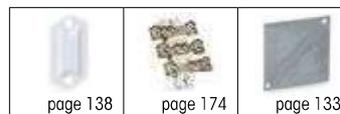


High-capacity boxes with blind cover in marine aluminium IP66/IP67/IP69

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

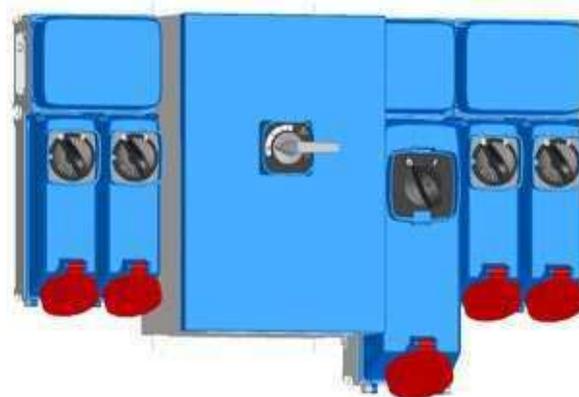
Outer dimensions (mm)	Window type	Max. number of installable socket-outlets Mod. 250	No. of DIN modules	Palazzoli code	Pack Qty
250x185		1	11	511304	1

Features: padlockable lid with tamper-proof screw.

Technical accessories:



Examples of combinations



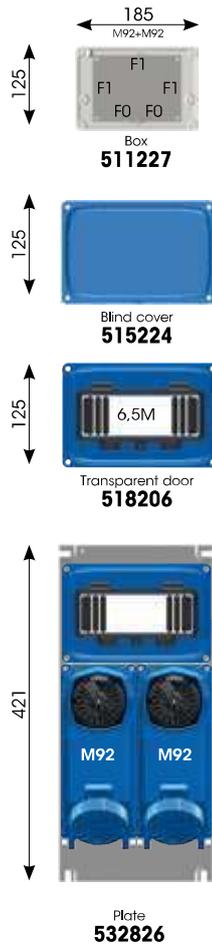
Distribution board consisting of a MCB and interlocked socket-outlets

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

Compositions



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.

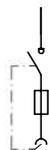




ALUPRES

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 entry FO fuses E16 NDZ	110	Yellow	2P+⊕	4	472233	1
	110	Yellow	3P+⊕	4	472243	1
	110	Yellow	3P+N+⊕	4	472253	1
	230	Blue	2P+⊕	6	472333	1
	230	Blue	3P+⊕	9	472343	1
	230	Blue	3P+N+⊕	9	472353	1
400	400	Red	2P+⊕	9	472433	1
	400	Red	3P+⊕	6	472443	1
	400	Red	3P+N+⊕	6	472453	1

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

MODULE 92

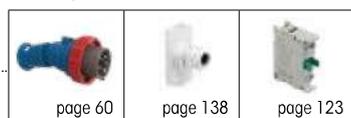


Wall-mounted compact interlocked socket-outlets 50/60Hz IP66/IP67/IP69

Rated current (A)	Rated voltage (V)	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 entry FO	230	Blue	2P+⊕	6	460126	1
	400	Red	3P+⊕	6	460136	1
	400	Red	3P+N+⊕	6	460146	1

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

Technical accessories:



page 60

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page 123



Painted steel mounting plate for compact distribution boards

Dimensions (mm)	No. of installable devices	Installable device module	Palazzoli code	Pack Qty
185x421	2	2x92	532826	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	511227	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	515224	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	518206	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	540090	5
F1	5.5	540091	5
F3	6	540033	2
F4	6	540034	2
F5	7	540035	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	540061	1
F3	50	540063	1
F4	50	540064	1
F5	80	540065	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	541050	1
F1	M25	9-18	541055	1
F1	M32	14-25	540180	1
F3	M40	18-32	540190	1
F3	M50	24-39	540191	1
F4	M40	18-32	540193	1
F5	M50	24-39	540195	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	545081	1
F3	83	54	545083	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	547054	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	582012	100
M16x1,5	16,5	4-9,5	7	582016	50
M20x1,5	20,5	7-13	8	582020	50
M25x1,5	25,5	8-16	8	582025	25
M32x1,5	32,5	11-21	9	582032	20
M40x1,5	40,5	15-27	9	582041	10
M50x1,5	50,5	22-35	10	582050	5



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 5015 Sky blue (cover) RAL 7035 Light grey (base)
Protection rating	IP55
Impact resistance	IK10
Corrosivity category	Equivalent to C3-H / C4-H
Resistance to abnormal heat and fire	960°C (insert)
Insulation class	I
Ambient operating temperature	-50°C - +50°C
Ambient storage temperature	-50°C - +70°C
Rated current	250A
Operating voltage	500V
Insulation voltage	500V
Operating frequency	50/60Hz



DIRECTIVES

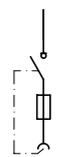
2014/35/EU (LVD)
2011/65/EU (RoHS)
2012/19/EU (WEEE)

PRODUCT STANDARDS

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

Wiring data:		250A
Entry cable cross-section	mm ²	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+⊕	422039	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:



page 138

page 165

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	421029	1

Technical accessories:



page 165



Straight mobile plug with aligned poles
50/60Hz IP55

Rated current (A)	Rated voltage (V)	Poles	Palazzoli code	Pack Qty
250	500	3P+⊕	427019	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 mm²



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 ²)	
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 ²)	Palazzoli code	Pack Qty
250	400	3P+⚡	2x10	480530	1
		3P+N+⚡	2x6	480550	1
	500	3P+⚡	2x10	480531	1
		3P+N+⚡	2x6	480551	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 ²)	Palazzoli code	Pack Qty
320	400	3P+N+⚡	2x6	480650	1
	500	3P+N+⚡	2x6	480651	1
400	400	3P+N+⚡	2x6	480750	1
	500	3P+N+⚡	2x6	480751	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 ²)	Palazzoli code	Pack Qty
250	3P+⚡	2x10	750530	1
	3P+N+⚡	2x6	750550	1
320	3P+N+⚡	2x6	750650	1
400	3P+N+⚡	2x6	750750	1



Boards and boxes

DISTRIBUTION AND AUTOMATION BOARDS



TAIS CUBE

Distribution and automation boards in thermosetting GRP
Page 148

STANDARD APPLICATIONS



TERBOX

Thermoplastic boxes
Page 151



UNIBOX

Universal boxes in aluminium
Page 155

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
Page 170

TAIS CUBE





TAIS CUBE

Distribution and automation boards in thermosetting GRP

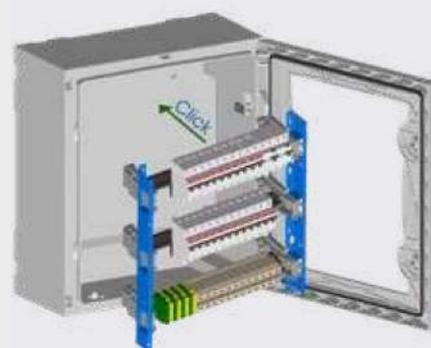
ADVANTAGES



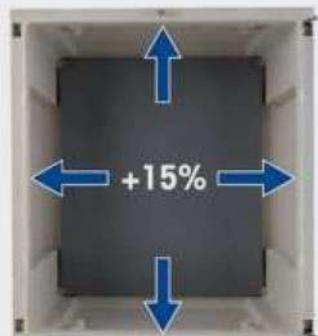
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TAIS CUBE withstands strong water jets of 100 litres per minute, is fully protected against the ingress of dust and highly resistant.

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		Distribution board with transparent door	-30 °C - +55 °C	
	+75 °C - +90 °C (W)	(W)		+55 °C - +70 °C (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	550001	1
2	340x430x180	280x375x120	75	550002	1
3	450x505x220	390x450x160	110	550003	1
4	450x655x220	390x600x160	125	550004	1
5	560x655x260	500x600x200	140	550005	1
6	630x810x300	570x750x235	215	550006	1
7	850x1060x350	790x1000x290	360	550007	1

Equipment included: key with triangular insert, screw cover caps for double insulation.

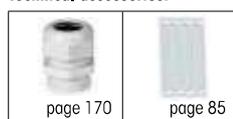


Distribution boards in thermosetting GRP with transparent door IP66

Size	Outer dimensions (mm)	No. of DIN modules	No-load power dissipation (W)	Palazzoli code	Pack Qty
1	260x305x160	-	40	550031	1
2	340x430x180	36 (3x12)	75	550032	1
3	450x505x220	54 (3x18)	110	550033	1
4	450x655x220	72 (4x18)	125	550034	1
5	560x655x260	96 (4x24)	140	550035	1
6	630x810x300	140 (5x28)	215	550036	1
7	850x1060x350	200 (5x40)	360	550037	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	550601	5
2	260x370	550602	5
3	370x445	550603	5
4	370x595	550604	1
5	475x595	550605	1
6	550x745	550606	1
7	765x995	550607	1

Equipment included: 4 fixing screws.



Pre-drilled back plates in steel

Size	Dimensions (mm)	Palazzoli code	Pack Qty
1	180x240	550611	5
2	260x370	550612	5
3	370x445	550613	5
4	370x595	550614	1
5	475x595	550615	1
6	550x745	550616	1
7	765x995	550617	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	550621	5
2	276x370	550622	5
3	384x445	550623	5
4	384x595	550624	1
5	492x595	550625	1
6	564x745	550626	1

Equipment included: 4 fixing screws.



Reversible inner doors in thermosetting GRP

Size	Dimensions (mm)	Palazzoli code	Pack Qty
2	280x375	550502	4
3	388x450	550503	4
4	388x600	550504	4
5	496x600	550505	1
6	568x750	550506	1
7	784x1000	550507	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	550562	6
3	3	550563	6
4-5	4	550564	6
6	5	550566	1
7	5	550567	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	550522	6
3-4	150	18	550523	6
5	150	24	550525	4
6	150	28	550526	4
7	200	40	550527	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	550542	6
3-4	150	550543	6
5	150	550545	4
6	150	550546	4
7	200	550547	1

Features: quick fitting with 1/4 turn screws.



Double-height front blind panels

Size	Height (mm)	Palazzoli code	Pack Qty
2	250	550552	4
3-4	300	550553	4
5	300	550555	1
6	300	550556	1
7	400	550557	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	550582	6
3-4	18	550583	6
5	24	550585	1
6	28	550586	1
7	40	550587	1



Height-adjustable partial plates in steel

Size	Height (mm)	Palazzoli code	Pack Qty
2	125	550632	1
3-4	150	550633	1
5	150	550635	1
6	150	550636	1
7	200	550637	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	550640	20
4	Stainless steel	550641	5

Features: they can be mounted horizontally, vertically or hidden, retaining the double insulation.



Set of 8 brackets for fixing the cable ducts

No. of brackets	Material	Palazzoli code	Pack Qty
8	steel	550648	1

Equipment included: complete with screws for fixing the cable ducts.
Notes: for all frame sizes. Suitable for cable ducts, max. height 40mm.



Pair of accessories for pole mounting

Size	Material	Palazzoli code	Pack Qty
1-2	steel	550642	1
3-4-5	steel	550643	1

Features: prearrangement for metal clamp for fastening to poles with diameter >80mm.



Adaptor kit

Size	Length (mm)	Palazzoli code	Pack Qty
2	70	550662	1
3-4	110	550663	1
5	150	550665	1
6	190	550666	1
7	240	550667	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.



Fixing clip with M5 thread for pre-drilled plates

No. of clips	Size	Material	Palazzoli code	Pack Qty
50	1-7	steel	550645	1



Security lock with handle

No. of keys	Material	Palazzoli code	Pack Qty
2	steel	550680	10

Features: closing with Yale code key. Identification code on the key.



TERBOX

Thermoplastic boxes



Body material	Thermoplastic
Colour	RAL 7035 Light grey
Protection rating	IP44 - IP56
Impact resistance	IK08
Resistance to abnormal heat and fire	650°C
Flammability class	HB
Insulation class	II
Ambient operating temperature	-25°C - +60°C
Ambient storage temperature	-30°C - +70°C



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	791002	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	791234	5
160x120x80	150x110x70	791236	1
200x150x80	190x140x70	791207	1
250x200x100	240x190x90	791208	1
310x230x130	300x220x120	791209	1
390x310x130	380x300x120	791210	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

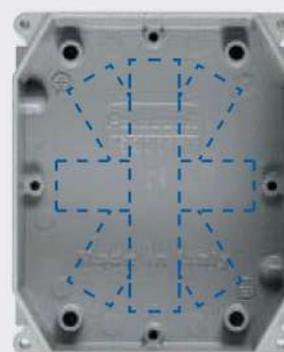


1

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.

2



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.

4





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	520009	30
UNI B11	115x140x61	103x128x46	520011	20
UNI B12	141x166x64	128x153x49	520012	20
UNI B14	168x192x80	152x176x65	520014	10
UNI B19	217x253x93	201x236x75	520019	1
UNI B20	264x314x122	243x295x104	520020	1
UNI B21	315x410x150	291x386x126	520021	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	520009NV	30
UNI B11	115x140x61	103x128x46	520011NV	20
UNI B12	141x166x64	128x153x49	520012NV	20
UNI B14	168x192x80	152x176x65	520014NV	10
UNI B19	217x253x93	201x236x75	520019NV	1
UNI B20	264x314x122	243x295x104	520020NV	1
UNI B21	315x410x150	291x386x126	520021NV	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	522011	1
UNI B12	108x132	522012	1
UNI B14	125x165	522014	1
UNI B19	165x200	522019	1
UNI B20	210x250	522020	1
UNI B21	257x345	522021	1

Equipment included: screws for mounting inside the box, 2 kits for earthing terminal connection.

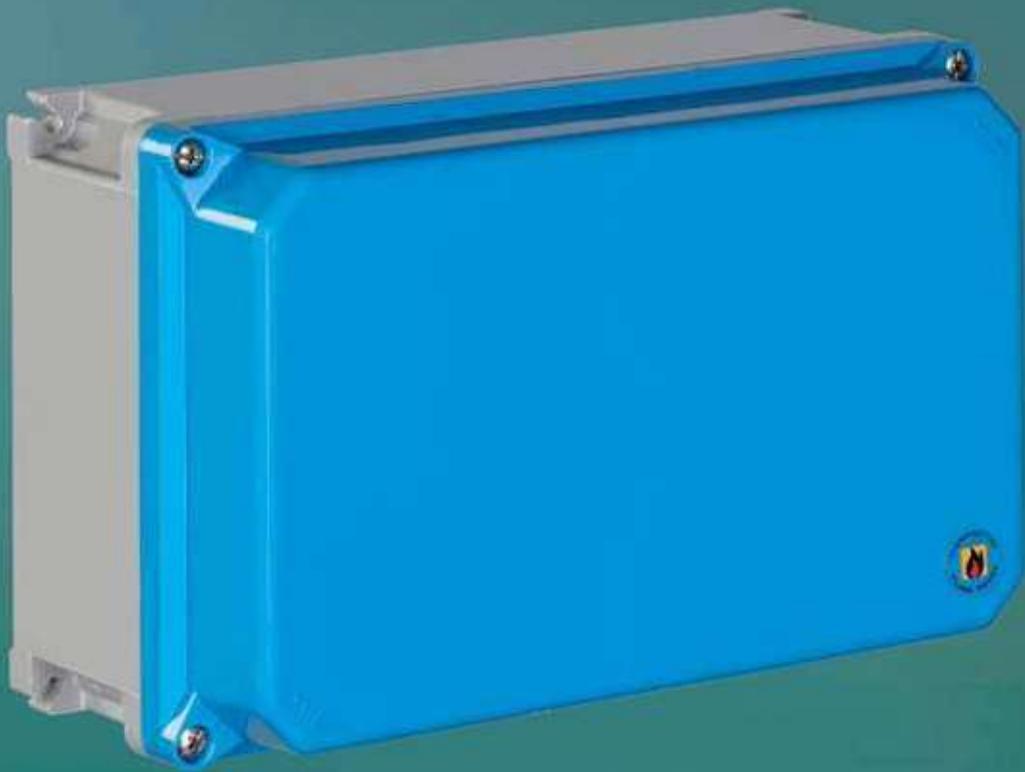


DIN rails for UNIBOX boxes

For box type	Working length (mm)	Palazzoli code	Pack Qty
UNI B9	60	521009	1
UNI B11	95	521011	1
UNI B12	125	521012	1
UNI B14	170	521014	1
UNI B19	230	521019	1
UNI B20	290	521020	1
UNI B21	380	521021	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	532200	1
190x185x125	148x145x102	9	532201	1
250x185x125	205x147x102	10	532202	1
290x185x125	249x144x102	11	532203	1
380x185x125	336x147x102	12	532204	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	532035	5
125x92x68	87x58x47	5	532045	1
185x92x68	150x55x47	6	532055	1
125x125x100	94x80x79	6	532116	1
185x125x100	142x92x79	7	532117	1
250x125x100	210x89x79	10	532118	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	532005	1
125x92x100	94x47x79	5	532006	1
185x92x100	151x50x79	6	532015	1
125x125x125	89x82x104	6	532016	1
185x125x125	144x86x104	7	532017	1
250x125x125	209x87x104	10	532018	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:



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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	532300	1
190x185x150	8	10	532301	1
250x185x150	12	11	532302	1
290x185x150	14	12	532303	1
380x185x150	19	13	532304	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	532516	1
185x125x125	6,5	15	532557	1
250x125x125	9	20	532658	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:



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Back plates in galvanised steel for TAISBOX boxes

For enclosure code	Plate dimensions (mm)	Palazzoli code	Pack Qty
532200	83x145	532700	1
532201	160x140	532701	1
532202	208x145	532702	1
532203	260x145	532703	1
532204	333x145	532704	1
532005, 532035	59x59	532705	1
532006, 532045	92x58	532714	1
532015, 532055	142x62	532715	1
532016, 532116	86x86	532716	1
532017, 532117	100x86	532717	1
532018, 532118	175x86	532718	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	531011*	1
250x185x115	 blind walls	2x95/2x125	531021*	1
250x250x115		2x95/2x125	531040*	1
370x250x115	 Lightened	-	531042	1
500x370x115	 Lightened	-	531062	1

Features: * supplied with drilling templates.
Blind and windowed junction boxes with dimensions 250x250 and larger are IP65.

Technical accessories:



Windowed junction boxes with back plate IP67

Outer dimensions (mm)	Window type	Installable TAIS socket module	Palazzoli code	Pack Qty
185x185x115		2x95	531200*	1
		2x95	531211*	1
		2x95	531311*	1
		-	531411	1
250x185x115	 blind walls	2x95/2x125	531220*	1
		2x95	531222*	1
		2x95/2x125	531221*	1
	 Lightened	-	531231	1
		2x95	531321*	1
		2x95/2x125	531331*	1
		-	531431	1
		2x95/2x125	531241*	1
	 Lightened	-	531240	1
		2x95/2x125	531340*	1
250x250x115		-	531440	1
	 Lightened	2x95/2x125	531540*	1
	 Lightened	2x95/2x125	531640*	1
		-	531242	1
370x250x115		-	531442	1
	 Lightened	-	531262	1
500x370x115	 Lightened	-	531662	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	535320	1
250x185	25	535321	1
250x250	25	535322	1
370x250	25	535323	1
500x370	25	535324	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	535126	1
250x250	25	535135	1
370x250	25	535137	1
500x370	25	535157	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	535325	1
250x250	75	535326	1
370x250	75	535327	1
500x370	75	535328	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	535131	1
250x250	75	535140	1
370x250	75	535142	1
500x370	75	535162	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	535640	1
250x185	80	11	535643	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	538110	2
b	175x60	15	538210	2
c	295x60	15	538310	1

Uses: closing the cable entry windows. Holes can be drilled for applying cable glands.

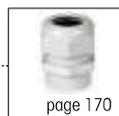


Raised blind flanges for windowed walls IP67

Type	Window dimensions (mm)	Flange height (mm)	Palazzoli code	Pack Qty
a	110x60	45	538130	2
b	175x60	45	538230	2
c	295x60	45	538330	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	538385	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)	538180	1
b	3 of 25x5 (25x6 - 32x5 - 32x6), 2 of 25x5 (earth and neutral), 3 of ø 11 (auxiliary circuits)	538280	1
c	6 of 40x5 (40x8 - 50x5 - 50x8), 4 of 25x5 (25x6 - 32x5 - 32x6)	538380	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	472967	1
142x113	125A	a	472968	1
207x113	63A	b	472977	1
207x113	125A	b	472978	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	538610	10
6,5 or 7,5	152x84x30	538620	10
9 or 11	214x84x30	538630	5

Features: padlockable lid and with tamper-proof screw.

Technical accessories:



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	538400	1
Pg16	22		
Pg21	29		
Pg29	38		
Pg36	46		
M20	20,5	538410	1
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	581112	100
M16x1,5	16,5	3,5-10	15	581116	50
M20x1,5	20,5	7-14	15	581120	50
M25x1,5	25,5	9-18	15	581125	25
M32x1,5	32,5	14-25	15	581132	20
M40x1,5	40,5	18-32	16	581140	10
M50x1,5	50,5	24-38,5	16	581150	5
M63x1,5	63,5	35-48	16	581163	5



Locknuts in insulating material with metric pitch

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



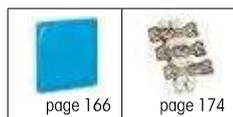
Blind junction boxes
in marine aluminium with back plate
IP67

Outer dimensions (mm)	Window type	Palazzoli code	Pack Qty
92x92x42		511110*	1
125x125x63		511210	1
185x125x63		511220	1
155x155x63		521210	1
185x185x95		511310	1
252x185x95		511320	1
220x220x95	 blind walls	521310	1
252x252x140		511410	1
295x295x105		521420	1
315x252x140		511420	1
315x315x140		511510	1
373x373x140		511610	1

*Box without back plate.

Features: 185x185 and larger boxes with IP66 rating.

Technical accessories:



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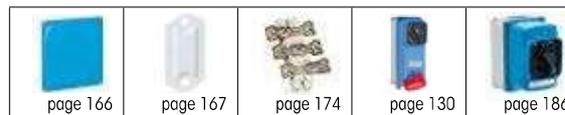
Windowed junction boxes
in marine aluminium with back plate
IP67

Outer dimensions (mm)	Window type	Palazzoli code	Pack Qty
125x125x63		511214	1
155x155x63		521214	1
185x185x95		511314	1
252x185x95		511324	1
220x220x95		521314	1
252x252x140		511414	1
315x252x140		511424	1
507x252x140		511452	1
295x295x105		521414	1
315x315x140		511514	1
373x373x140		511614	1
507x373x140		511634	1
630x507x140		511824	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:



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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	515111	1
125x125	10	515200	1
185x125	25	515221	1
155x155	10	525200	1
185x185	10	515300	1
220x220	13	525300	1
252x252	25	515411	1
507x252	53	515453	1
295x295	18	525410	1
315x315	53	515512	1
373x373	25	515610	1
507x373	53	515632	1
630x507	53	515822	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	515112	1
185x92	50	515144	1
125x125	50	515214	1
185x125	50	515224	1
185x185	50	515313	1
252x185	57	515323	1
252x252	57	515413	1
315x252	53	515423	1
373x373	80	515613	1
507x373	165	515637	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	518204	1
185x125	80	6,5	518206	1
185x185	80	7,5	518207	1
252x185	80	11	518211	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.

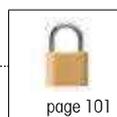


Transparent lids in polycarbonate for modular devices

No. of DIN modules	Dimensions (mm)	Palazzoli code	Pack Qty
4	92x84x30	538610	10
6.5 or 7.5	152x84x30	538620	10
9 or 11	214x84x30	538630	5

Features: padlockable lid with tamper-proof screw.

Technical accessories:



page 101



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	540090	5
F1	5,5	540091	5
F3	6	540033	2
F4	6	540034	2
F5	7	540035	2
F6	8	540036	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	540061	1
F3	50	540063	1
F4	50	540064	1
F5	80	540065	1
F6	80	540066	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	541050	1
F1	M25	9-18	541055	1
F1	M32	14-25	540180	1
F3	M40	18-32	540190	1
F3	M50	24-39	540191	1
F4	M40	18-32	540193	1
F5	M50	24-39	540195	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	541040	1
F1	3/4"	12-16	57	540161	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	544033	1
F4	140	54	544034	1
F5	160	65	544035	1
F6	250	80	544036	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	545081	1
F3	83	54	545083	1
F4	93	60	545084	1
F5	137	65	545085	1
F6	137	65	545086	1

Uses: suitable for entry with unthreaded pipes or cables.



Steel reducers for windows IP67

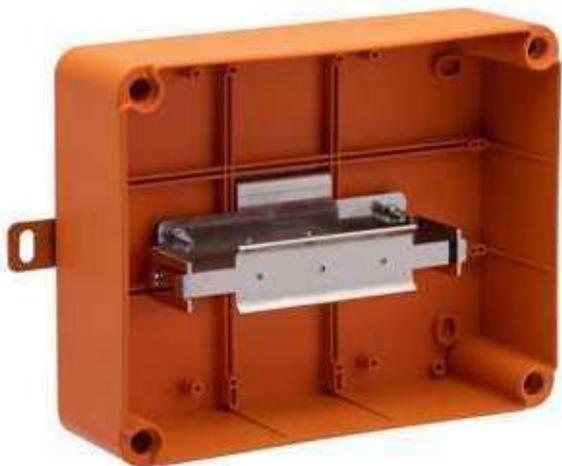
Shape	Reducer type for window	Reducer type for window	Thickness (mm)	Palazzoli code	Pack Qty
	F5	F4	5	547054	1

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 ²
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		151700	1
200x155x75		151702	1
250x185x130		151703	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		151301	1
250x250x130		151304	1

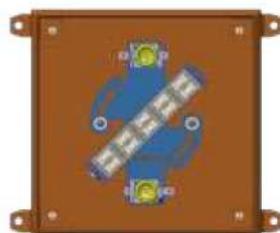
Equipment included: 4 cable grommets.

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 ²)	Palazzoli code	Pack Qty
single	2,5 - 6	151711	1
	6,0 - 10	151712	1
	10 - 16	151713	1
double	0,5 - 6	151721	1
	10 - 16	151722	1
	20 - 35	151723	1



Fire-resistant branch terminal for signal lines

No. of poles for section (mm ²)	Entry cable cross-section (mm ²)	Palazzoli code	Pack Qty
20 x 0,5	up to 0,5	151791	1



Fire-resistant ceramic fuse holder base

Fuse type	Rated max current (A)	Palazzoli code	Pack Qty
D01	16	151792	1



UNI

Cable glands in technopolymer and nickel-plated brass

Body material	Polyamide (technopolymer version) Nickel-plated (brass version) Neoprene (gasket) Galvanised steel (adaptors)
Colour	RAL 7035 Light grey (technopolymer)
Protection rating	IP67 - IP68
Ambient operating temperature	-30°C - +100°C (cable glands in insulating material) -30°C - +90°C (adaptors in insulating materials)
Ambient storage temperature	-40°C - +100°C (brass)



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	581112	100
M16x1,5	16,5	3,5-10	15	581116	50
M20x1,5	20,5	7-14	15	581120	50
M25x1,5	25,5	9-18	15	581125	25
M32x1,5	32,5	14-25	15	581132	20
M40x1,5	40,5	18-32	15	581140	10
M50x1,5	50,5	24-38,5	15	581150	5
M63x1,5	63,5	35-48	15	581163	5

Uses: for cable/conduit entry into boxes with very thick walls.



DIRECTIVES

2014/35/EU (LVD)

PRODUCT STANDARDS

IEC/EN 62444



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	581312	1
M16x1,5	16,5	15	581316	1
M20x1,5	20,5	15	581320	1
M25x1,5	25,5	15	581325	1
M32x1,5	32,5	15	581332	1
M40x1,5	40,5	18	581340	1
M50x1,5	50,5	18	581350	1
M63x1,5	63,5	18	581363	1



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	581012	100
M16x1,5	16,5	3,5-10	10	581016	50
M20x1,5	20,5	7-14	10	581020	50
M25x1,5	25,5	9-18	10	581025	25
M32x1,5	32,5	14-25	10	581032	20
M40x1,5	40,5	18-32	10	581040	10
M50x1,5	50,5	24-38,5	12	581050	5
M63x1,5	63,5	35-48	12	581063	5



Locknuts in insulating material with metric pitch

Threading	Palazzoli code	Pack Qty
M12x1,5	581212	50
M16x1,5	581216	50
M20x1,5	581220	50
M25x1,5	581225	50
M32x1,5	581232	50
M40x1,5	581240	20
M50x1,5	581250	10
M63x1,5	581263	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	571007	100
9	16	2,5-8	8	571009	50
11	19	3,5-10	8	571011	50
13,5	21	5-12	9	571013	50
16	23	7-14	10	571016	50
21	29	9-18	11	571021	25
29	38	14-25	11	571029	20
36	48	18-32	13	571036	10
42	55	24-38,5	13	571042	5
48	61	35-48	14	571048	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	571107	50
9	16	5-8	15	571109	50
11	19	6-10	15	571111	50
13,5	21	8-12	15	571113	50
16	23	10-14	15	571116	50
21	29	11,5-18	15	571121	20
29	38	15-24	15	571129	20
36	48	24-34	18	571136	10
42	55	34-42	18	571142	10
48	61	37-45	18	571148	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	580230	100
16	23	9	580231	100
21	29	10	580232	100
29	38	12	580233	50
36	48	14	580234	25



Locknuts in insulating material
with Pg threading

Pg	Palazzoli code	Pack Qty
7	571207	50
9	571209	50
11	571211	50
13,5	571213	50
16	571216	50
21	571221	25
29	571229	20
36	571236	10
42	571242	5
48	571248	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	580211	1
21	29	13	580212	1
29	38	16	580213	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	582012	100
M16x1,5	16,5	4-9,5	7	582016	50
M20x1,5	20,5	7-13	8	582020	50
M25x1,5	25,5	8-16	8	582025	25
M32x1,5	32,5	11-21	9	582032	20
M40x1,5	40,5	15-27	9	582041	10
M50x1,5	50,5	22-35	10	582050	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	582312	100
M16x1,5	16,5	6	582316	100
M20x1,5	20,5	6,5	582320	100
M25x1,5	25,5	7	582325	100
M32x1,5	32,5	8	582332	50
M40x1,5	40,5	9	582340	50
M50x1,5	50,5	10	582350	25
M63x1,5	63,5	10	582363	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	582112	100
M16x1,5	16,5	4-9,5	15	582116	50
M20x1,5	20,5	7-13	15	582120	50
M25x1,5	25,5	8-16	15	582125	25
M32x1,5	32,5	11-21	15	582132	20
M40x1,5	40,5	15-27	15	582141	10
M50x1,5	50,5	22-35	15	582150	5
M63x1,5	63,5	35-48	15	582163	5



Locknuts in nickel-plated brass
with metric threading

Threading	Palazzoli code	Pack Qty
M12x1,5	582212	50
M16x1,5	582216	50
M20x1,5	582220	50
M25x1,5	582225	25
M32x1,5	582232	20
M40x1,5	582240	10
M50x1,5	582250	10
M63x1,5	582263	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	572007	50
9	15,5	4-9.5	6	572009	50
11	19	6-11,5	6	572011	50
13,5	21	7-13	6,5	572013	50
16	23	8-15	6,5	572016	50
21	29	11-19	7	572021	20
29	37,5	16-26	8	572029	20
36	47,5	22-34,5	9	572036	10
42	54,5	27-40	10	572042	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	572307	50
9	15,5	6	572309	50
11	19	6	572311	50
13,5	21	6,5	572313	50
16	23	6,5	572316	25
21	29	7	572321	20
29	37,5	8	572329	15
36	47,5	9	572336	10
42	54,5	10	572342	10
48	60	10	572348	10



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	572107	50
9	15,5	4-9.5	12	572109	50
11	19	6-11,5	12	572111	50
13,5	21	7-13	12	572113	50
16	23	8-15	12	572116	50
21	29	11-19	12	572121	20
29	37,5	16-26	15	572129	20
36	47,5	22-34,5	15	572136	10
42	54,5	27-40	15	572142	5
48	60	35-48	15	572148	5



Locknuts in nickel-plated brass
with Pg threading

Pg	Palazzoli code	Pack Qty
7	572207	50
9	572209	50
11	572211	50
13,5	572213	50
16	572216	50
21	572221	20
29	572229	20
36	572236	10
42	572242	5
48	572248	5



CONTACT

Terminal blocks

Body material	Ceramic (supports) Brass (contacts)
Rated impulse-withstand voltage	6kV
Ambient operating temperature	-50°C - +100°C
Ambient storage temperature	-50°C - +100°C



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 ²)	Rated current (A)	Entry cable cross-section (mm ²)	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 ²)	Rated current (A)	Entry cable cross-section (mm ²)	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 ²	159030	1
185x125	125x125	3x25 mm ²	159032	1
	155x155	3x35 mm ²	159033	5
190x185	185x185	3x70 mm ²	159034	1
250x250	220x220	3x120 mm ²	159035	1
370x250	295x295	3x240 mm ²	159036	1
500x370	373x373	3x300 mm ²	159037	1
185x125	125x125	4x16 mm ²	159040	10
	155x155	4x25 mm ²	159042	5
190x185	185x185	4x35 mm ²	159043	1
250x250	220x220	4x70 mm ²	159044	1
370x250	295x295	4x120 mm ²	159045	1
500x370	373x373	4x240 mm ²	159046	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 ²	532725	1
92x125, 92x185	4x6 mm ²	532745	1
125x125, 125x185	4x16 mm ²	532747	1

Features: codes 532735 and 532755 in insulating material.

Technical accessories:





Control

STANDARD APPLICATIONS



CAM-SZ

Wall-mounted isolator switches in technopolymer
Page 178



CAM-SZ

Isolator switches for base mounting and back panel mounting
Page 179



CAM-ST

Multi-diagram cam switches
Page 181



ALARM

Sirens and bells in aluminium alloy
Page 210

HEAVY-DUTY APPLICATIONS



CAM-TAIS

Rotary switches in thermosetting GRP
Page 184



CAM-ALUPRES

Rotary switches in marine aluminium alloy
Page 186



CAM-FIRE

Fire resistant rotary switches in aluminium alloy
Page 189



CAM

Multi-diagram cam switches
Page 191



TAIS MIGNON

Small devices in thermosetting GRP
Page 200



RONDÒ

Small devices in aluminium alloy
Page 208

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



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	Technopolymer
Colour	RAL 7035 Light grey (standard version) RAL 7042 Traffic grey (standard handle) RAL 1018 Zinc yellow (emergency cover) RAL 3020 Traffic red (emergency handle)
Protection rating	IP65
Impact resistance	IK08
Resistance to abnormal heat and fire	960°C (switch) 650°C (enclosure)
Flammability class	V-0 (switch) HB (enclosure)
Insulation class	II
Ambient operating temperature	-25°C - +60°C
Ambient storage temperature	-40°C - +80°C
Rated current	16A - 25A - 32A - 40A - 63A - 100A
Operating voltage	Up to 690V
Insulation voltage	690V
Operating frequency	50/60Hz



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_{th}	A	16	25	32	40	63	100	
AC-21A	690V	16	25	32	40	63	100	
AC-22A	690V	16	25	32	40	63	100	
AC23A	230V	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 ²	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	208162	1
	3	2	208163	1
	4	3	208164	1
25	3	2	208253	1
	4	3	208254	1
32	2	1	208322	1
	3	2	208323	1
	4	3	208324	1
40	3	2	208403	1
	4	3	208404	1
63	3	2	208633	1
	4	3	208634	1
100	3	2	208103	1
	4	3	208104	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	209162	1
	3	2	209163	1
	4	3	209164	1
25	3	2	209253	1
	4	3	209254	1
32	2	1	209322	1
	3	2	209323	1
40	4	3	209324	1
	3	2	209403	1
63	4	3	209404	1
	3	2	209633	1
100	4	3	209634	1
	3	2	209103	1
	4	3	209104	1

Equipment included: complete with terminal cover.
Features: handle padlockable in position 0 and 1.

Technical accessories:



page 179

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	265162	1
	3	2	67x67	265163	1
	4	3	67x67	265164	1
25	3	2	67x67	265253	1
	4	3	67x67	265254	1
32	2	1	67x67	265322	1
	3	2	67x67	265323	1
	4	3	67x67	265324	1
40	3	2	67x67	265403	1
	4	3	67x67	265404	1
	2	1	67x67	265632	1
63	3	2	67x67	265633	1
	4	3	67x67	265634	1
100	3	2	67x67	265103	1
	4	3	67x67	265104	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	267162	1
	3	2	67x67	267163	1
	4	3	67x67	267164	1
25	3	2	67x67	267253	1
	4	3	67x67	267254	1
32	2	1	67x67	267322	1
	3	2	67x67	267323	1
	4	3	67x67	267324	1
40	3	2	67x67	267403	1
	4	3	67x67	267404	1
63	2	1	67x67	267632	1
	3	2	67x67	267633	1
	4	3	67x67	267634	1
100	3	2	67x67	267103	1
	4	3	67x67	267104	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	270909	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)	270326	1
		1 NO postponed	270327	1
		1 NC	270330	1
		1 NO	270331	1
		1 NO + 1 NC	270332	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	270225	1
	6	350	270350	1
	6	500	270500	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	270900	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.



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 _{th}	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		6	10	12	16	25	32	50
	500V								
	600V								
AC-23A	230V	kW	3.2	4.5	5.7	6.4	10.2	12.7	20.1
	400V		5.5	7.8	10	11.1	17.7	22.2	34.9
	500V		4.2	6.9	8.3	11.1	17.3	22.2	34.6
	600V		5	8.3	10	13.3	20.8	26.6	41.6
AC-3	230V	kW	2.5	3.8	5.1	5.7	8.9	11.2	17.8
	400V		4.4	6.7	8.9	10	15.5	19.4	31
	500V		4.2	6.9	8.3	11.1	17.3	22.2	34.6
	690V		5.7	9.6	11.5	15.3	23.9	30.6	47.8

Wiring data:		12A	16A	20A	25A	32A	40A	63A
Entry cable cross-section	mm ²	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	210121	211121	1
	2	1	33	210122	211122	1
	3	2	46	210123	211123	1
	4	3	46	210124	211124	1
	5	43	59	210125	211125	1
	6	44	59	210126	211126	1
16	1	0	33	210161	211161	1
	2	1	33	210162	211162	1
	3	2	46	210163	211163	1
	4	3	46	210164	211164	1
	5	43	59	210165	211165	1
	6	44	59	210166	211166	1
20	1	0	33	210201	211201	1
	2	1	33	210202	211202	1
	3	2	46	210203	211203	1
	4	3	46	210204	211204	1
	5	43	59	210205	211205	1
	6	44	59	210206	211206	1
25	1	0	33	210251	211251	1
	2	1	33	210252	211252	1
	3	2	46	210253	211253	1
	4	3	46	210254	211254	1
	5	43	59	210255	211255	1
	6	44	59	210256	211256	1
32	1	0	43		212321	1
	2	1	60		212322	1
	3	2	77		212323	1
	4	3	94		212324	1
40	1	0	43		212401	1
	2	1	60		212402	1
	3	2	77		212403	1
	4	3	94		212404	1
63	1	0	43		212631	1
	2	1	60		212632	1
	3	2	77		212633	1
	4	3	94		212634	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	214123	1
	4	3	46	214124	1
16	3	2	46	214163	1
	4	3	46	214164	1
20	3	2	46	214203	1
	4	3	46	214204	1
25	3	2	46	214253	1
	4	3	46	214254	1
32	3	2	60	214323	1
	4	3	60	214324	1
40	3	2	60	214403	1
	4	3	60	214404	1
63	3	2	60	214633	1
	4	3	60	214634	1

Features: the handles are padlockable in positions 0.

Technical accessories:

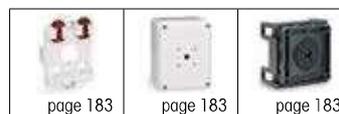


Two-way switches with grey front plate for base mounting IP65



Rated current (A)	Poles	CAM scheme	Depth (mm)	Palazzoli code 48x48	Palazzoli code 67x67	Pack Qty
12	1	8	33	236121	237121	1
	2	9	46	236122	237122	1
	3	10	59	236123	237123	1
16	1	8	33	236161	237161	1
	2	9	46	236162	237162	1
	3	10	59	236163	237163	1
20	1	8	33	236201	237201	1
	2	9	46	236202	237202	1
	3	10	59	236203	237203	1
25	1	8	33	236251	237251	1
	2	9	46	236252	237252	1
	3	10	59	236253	237253	1

Technical accessories:





CAM-ST

Multi-diagram cam switches

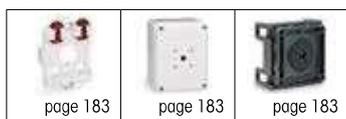


Selector switches with grey front plate for base mounting IP65



Rated current (A)	Poles	CAM scheme	Depth (mm)	Palazzoli code 48x48	Palazzoli code 67x67	Pack Qty
12	1	4	33	215121	216121	1
	2	5	46	215122	216122	1
	3	6	59	215123	216123	1
	4	7	72	215124	216124	1
16	1	4	33	215161	216161	1
	2	5	46	215162	216162	1
	3	6	59	215163	216163	1
	4	7	72	215164	216164	1
20	1	4	33	215201	216201	1
	2	5	46	215202	216202	1
	3	6	59	215203	216203	1
	4	7	72	215204	216204	1
25	1	4	33	215251	216251	1
	2	5	46	215252	216252	1
	3	6	59	215253	216253	1
	4	7	72	215254	216254	1
32	1	4	43		217321	1
	2	5	60		217322	1
	3	6	77		217323	1
	4	7	94		217324	1
40	1	4	43		217401	1
	2	5	60		217402	1
	3	6	77		217403	1
	4	7	94		217404	1
63	1	4	43		217631	1
	2	5	60		217632	1
	3	6	77		217633	1
	4	7	94		217634	1

Technical accessories:



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	221123	222123	1
16	12	59	221163	222163	1
20	12	59	221203	222203	1
25	12	59	221253	222253	1
32	12	77		223323	1
40	12	77		223403	1
63	12	77		223633	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	381123	382123	1
16	66	72	381163	382163	1
20	66	72	381203	382203	1
25	66	72	381253	382253	1

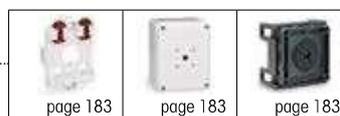


Star-delta starters with grey front plate for base mounting IP65



Rated current (A)	CAM scheme	Depth (mm)	Palazzoli code 48x48	Palazzoli code 67x67	Pack Qty
12	13	72	218123	219123	1
16	13	72	218163	219163	1
20	13	72	218203	219203	1
25	13	72	218253	219253	1
32	13	94		220323	1
40	13	94		220403	1
63	13	94		220633	1

Technical accessories:





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	270237	1
67x67	black	270239	1
	yellow / red	270240	1



Adaptor for base mounting or installation on DIN rail

Rated current (A)	Width (mm)	Palazzoli code	Pack Qty
12-25	54	270236	1
32-63	78	270243	1



Wall-mounted box in technopolymer suitable for base-mounted devices IP65

Outer dimensions (mm)	Available depth (mm)	Palazzoli code	Pack Qty
121x158x107	90	270247	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	271225	1
	6	350	271350	1
	6	500	271500	1
32-63	6	225	274225	1
	6	350	274350	1
	6	500	274500	1



Universal wall-mounted box in technopolymer IP65

Outer dimensions (mm)	Available depth (mm)	Palazzoli code	Pack Qty
121x158x107	90	270248	1

Technical accessories:





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	92x125		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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page 187



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		292512	1
	4	3			292503	1
125	3	2			292542	1
	4	3			292543	1
160	3	2			292552	1
	4	3			292553	1
200	3	2	250x370		292621	1
	4	3			292623	1
250	3	2			292632	1
	4	3			292633	1
400	4	3	370x500	blind walls	292703	1
630	4	3		blind walls	292733	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			290163	1
	4	3			290164	1
25 fuses 10.3x38	3	2	92x240		290522	1
	4	3			290523	1
32 fuses 10.3x38	3	2			290323	1
	4	3			290324	1
40 fuses 22x58	3	2			290642	1
	4	3			290643	1
63 fuses 22x58	3	2	125x335		290762	1
	4	3			290763	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		293053	1
125 fuses ACR NH-00	4	3			293123	1
160 fuses ACR NH-00	4	3			293163	1
200 fuses ACR NH-1	4	3	370x500		293063	1
250 fuses ACR NH-1	4	3			293263	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:





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	252x507		272502	1
	4	3			272503	1
	3	2			272542*	1
125	4	3	373x507		272543*	1
	3	2			272552*	1
	4	3			272553*	1
160	3	2	373x630		282602*	1
	4	3			282603*	1
	3	2			272632*	1
200	4	3	blind walls		272633*	1
	3	2			282703*	1
	4	3			282803*	1
250	3	2	blind walls		282703*	1
	4	3			282803*	1
	4	3			282803*	1
400	4	3	blind walls		282703*	1
	4	3			282803*	1
	4	3			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



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		272146	1
	4	7			272147	1
25	3	6	125x185		272246	1
	4	7			272247	1
40	3	6	125x185		272306	1
	4	7			272307	1
63	3	6	252x185		282406	1
	4	7			282407*	1
100	4	7	315x315		272507*	1
200	4	7	373x373		282607*	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		272148	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		272152	1
25	12			272252	1
40	12	125x185		272312	1
63	12			282412	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)	270326	1
		1 NO postponed	270327	1
		1 NC	270330	1
		1 NO	270331	1
		1 NO + 1 NC	270332	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 _{th}	A	16	25	40	63	125	160	200	
AC-21A	415V	A	16	25	40	63	125	160	200
	500V								
AC-22A	415V	A	16	25	40	63	125	160	200
	500V								
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 ²	1-4	1,5-6	4-10	6-16	16-70	16-70	16-70
Tightening torque	Nm	1,5		2	3	6	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	152130	1
	4	3		blind walls	152140	1
	6	3,1			152160	1
25	3	2	125x185	blind walls	152230	1
	4	3		blind walls	152240	1
	6	3,1			152260	1
40	3	2	185x252	blind walls	152330	1
	4	3		blind walls	152340	1
	6	3,1		blind walls	152360	1
63	3	2		blind walls	152430	1
	4	3			152440	1
	6	3,1			152460	1
125	3	2			152530*	1
	4	3			152540*	1
160	3	2	220x315	F3	152631*	1
	4	3		F3	152641*	1
200	3	2			152630*	1
	4	3			152640*	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	
Thermal current I_{th}	A	16	25	40	63	100	200	
AC-21A	415V	A	16	25	40	63	100	200
	500V	A	16	25	40	63	100	200
AC-22A	415V	A	16	25	40	63	100	200
	500V	A	16	25	40	63	100	200
AC-23A	230V	A	16	25	40	63	100	200
	400V	A	16	25	40	63	100	200
	500V	A	16	25	40	63	100	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 ²	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

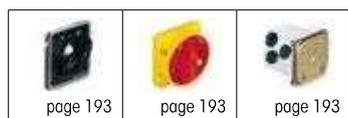


Isolator switches with black anodised aluminium front plate for distribution boards IP65



Rated current (A)	Poles	CAM scheme	Depth (mm)	Front plate dimensions (mm)	Palazzoli code	Pack Qty
16	1	0	52	64x64	276600	1
	2	1	52	64x64	276601	5
	3	2	67	64x64	276602	5
	4	3	67	64x64	276603	5
25	2	1	52	64x64	276701	1
	3	2	68	64x64	276702	5
	4	3	68	64x64	276703	5
40	2	1	74	94x94	276801	1
	3	2	92	94x94	276802	1
	4	3	92	94x94	276803	1
63	3	2	108	94x94	286902	1
	4	3	108	94x94	286903	5
100	4	3	133	134x134	276503	1
200	4	3	145	134x134	286603	1

Technical accessories:



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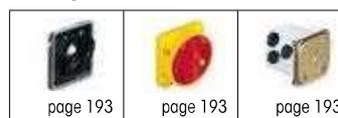


Selector switches with black anodised aluminium front plate for distribution boards IP65



Rated current (A)	Poles	CAM scheme	Depth (mm)	Front plate dimensions (mm)	Palazzoli code	Pack Qty
16	1	4	52	64x64	276604	1
	2	5	67	64x64	276605	1
	3	6	83	64x64	276606	5
	4	7	98	64x64	276607	1
25	2	5	68	64x64	276705	1
	3	6	84	64x64	276706	1
	4	7	100	64x64	276707	1
	2	5	92	94x94	276805	1
40	3	6	110	94x94	276806	1
	4	7	128	94x94	276807	1
	3	6	134	94x94	286906	1
63	4	7	159	94x94	286907	1
	100	4	7	197	134x134	276507
200	4	7	221	134x134	286607	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	286703	1
600	3	2	259	134x134	286732	1
800	3	2	297	134x134	286762	1
1200	3	2	411	134x134	286782	1



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	276608	1
	2	9	67	64x64	276609	1
	3	10	83	64x64	276610	1
	4	11	98	64x64	276611	1

Uses: they can be fixed onto the hatch or in blind compartments (e.g. empty steel pillars).

Technical accessories:

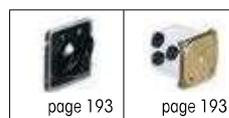


Star-delta starters with black anodised aluminium front plate for distribution boards IP65



Rated current (A)	CAM scheme	Depth (mm)	Front plate dimensions (mm)	Palazzoli code	Pack Qty
16	13	98	64x64	276613	1
25	13	100	64x64	276713	1
40	13	128	99x99	276813	1
63	13	159	99x99	286913	1
100	13	197	134x134	276513	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	276612	5
25	12	84	64x64	276712	5
40	12	110	99x99	276812	1
63	12	134	99x99	286912	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	276910	1
74/82/92	276930	1
79/83/84/95/96/98/100	276911	1
108/110/128/134	276931	1
114/116/130/132	276912	1
145/148/160/164	276913	1
159	276932	1

Uses: they have passages with stepped gland in non-ageing elastomer. They ensure IP54 rear protection.



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	292125	10
	40-63	99x99	292325	1



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	292116	1
	40-63	99x99	292316	1
	16-25	67x67	292136	1
	40-63	99x99	292336	1
	16	67x67	292146	1
	16-25	67x67	292156	1
	40-63	99x99	292356	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	292105	10
	40-63	99x99	292305	1



CAM

Multiway cam switches for base mounting

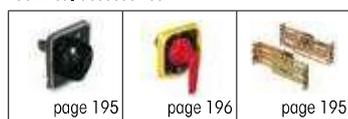


Isolator switches with door lock and protection cap for base mounting



Rated current (A)	Poles	CAM scheme	Depth (mm)	Palazzoli code	Pack Qty
16	3	2	96	275112	10
	4	3	96	275113	10
25	3	2	97	275212	10
	4	3	97	275213	10
40	3	2	123	275312	5
	4	3	123	275313	5
63	3	2	140	285412	5
	4	3	140	285413	5

Technical accessories:



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	275116	1
	4	7	128	275117	1
25	3	6	113	275216	1
	4	7	129	275217	1
40	3	6	141	275316	1
	4	7	159	275317	1
63	3	6	166	285416	1
	4	7	191	285417	1

Technical accessories:



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	270512	1
	4	3	183	270513	1
200	3	2	195	280612	1
	4	3	195	280613	1
400	3	2	233	280712*	1
	4	3	271	280713*	1

Features: *isolator switch only.

Technical accessories:



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	270517	1
	200	4	7	271	280617

Technical accessories:





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	270900	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	270528	1
	200	134x134	270628	2
	100	134x134	270538	1
	200	134x134	270638	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	295117	1
	40-63	99x99	295157	5
	16-25	67x67	295137	1
	40-63	99x99	295177	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	270728	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	295127	1
	40-63	99x99	295167	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	295107	10
	40-63	99x99	295147	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	295108	10
	16-25	83x83	295118	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	295128	10
	16-25	83x83	295138	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	295308	5
	100-200	105x105	292508	1
	400	72x83	292708*	1
	40-63	105x105	295318	1
	100-200	105x105	292518	1

Features: padlockable in all positions.
* IP65 rating



Red padlockable handles with anodised aluminium front plate with door lock IP66/IP67

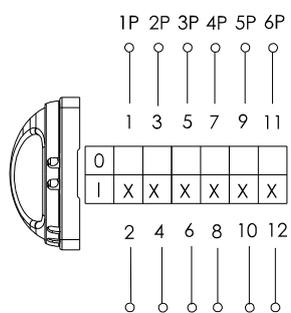
Front plate type	Rated current (A)	Flange dimensions (mm)	Palazzoli code	Pack Qty
	40-63	105x105	295328	5
	100-200	105x105	292528	2
	400	72x83	292728*	1
	40-63	105x105	295338	1
	100-200	105x105	292538	1

Features: padlockable in all positions.
* IP65 rating

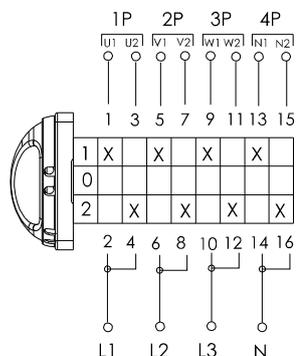


TYPICAL CONTACT SCHEMES FOR CONTROL DEVICES

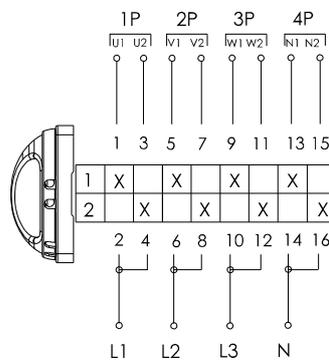
CAM 0 - 3, 43, 44, 3.1



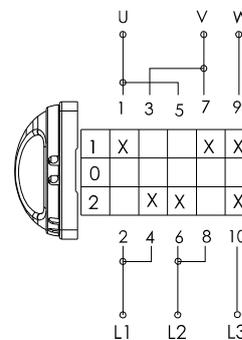
CAM 4 - 7



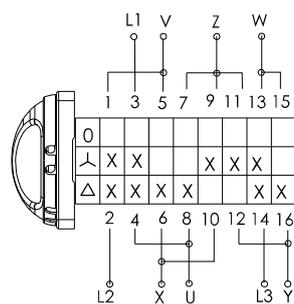
CAM 8 - 11



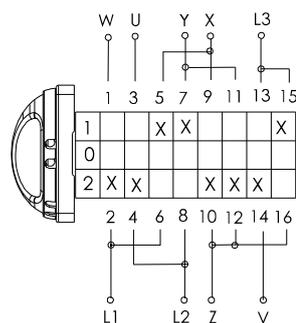
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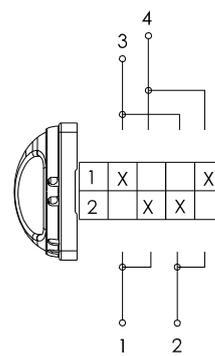
CAM 13



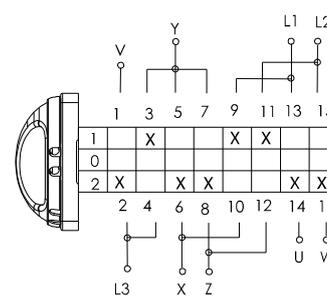
CAM 15



CAM 38



CAM 66



X = CLOSED CONTACT

TAIS MIGNON





TAIS MIGNON

Small devices in thermosetting GRP

ADVANTAGES

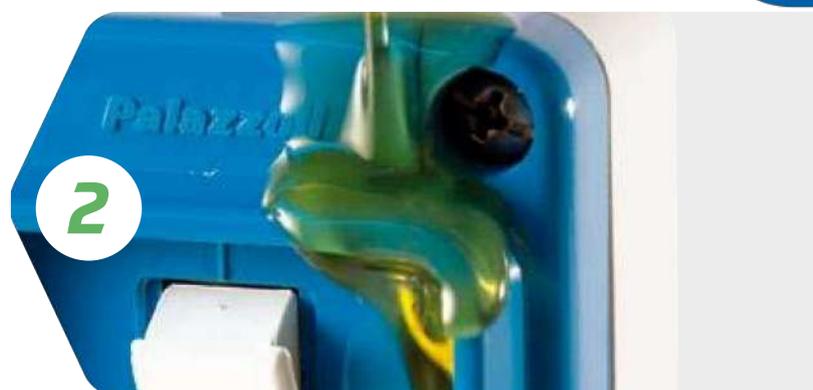


1

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



3

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.

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 ²	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~	202271	10
1P	M16 M16	62x80x48	16A 250V~ 10A 400V~	202261	1
2P	M16 M16	62x80x48	16A 250V~ 10A 400V~	202262	10
2P	M20 M20	62x80x48	16A 250V~ 10A 400V~	202282	10
3P	M20 M20	62x80x48	16A 400V~	202283	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~	202276	10
1P	M16 M16	62x80x48	16A 250V~ 10A 400V~	202266	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~	202275	1
1P	M16 M16	62x80x48	16A 250V~ 10A 400V~	202265	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~	261435	10
1 NO	M16 M16	62x80x51	10A 400V~	261403	1
1 NC	M20	62x80x51	10A 400V~	261445	1
1 NC	M16 M16	62x80x51	10A 400V~	261413	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~	261432	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~	261433	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	431237	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	559232	1

Equipment included: as many cable glands as the number of entries.
Features: it can be used with two opposite entries.

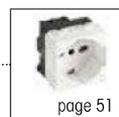


Wall-mounted box
for domoTER domestic sockets
with watertight cap
for plugged-in plug
IP55

Entry type	Enclosure dimensions (mm)	Installable device modules	Palazzoli code	Pack Qty
M20 M20	62x80x94	2	559234	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	559021	8
	62x80x62	1	559031	8
	62x80x62	1+1	559022	1
	62x80x62	1+1	559032	1

Equipment included: as many cable glands as the number of entries.



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	471204	10
		110		3P+⊕	4	471284	1
		110		3P+N+⊕	4	471294	1
		230		2P+⊕	6	471304	10
		230		3P+⊕	9	471314	1
		230		3P+N+⊕	9	471324	1
		400		2P+⊕	9	471404	1
		400		3P+⊕	6	471414	1
		400		3P+N+⊕	6	471424	1

Equipment included: as many cable glands as the number of entries.

Features: pillar terminals for connecting cables.

Technical accessories:



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	800061	6
250		62x80x78	Green	800062	6
250		62x80x78	Transparent	800063	6
250		62x80x78	Yellow	800064	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 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	-	471004	1
		24		3P	-	471094	1
		42		2P	12	471104	1
		42		3P	12	471114	1

Equipment included: as many cable glands as the number of entries.

Features: pillar terminals for connecting cables.

Technical accessories:





TAIS MIGNON

Small devices in thermosetting GRP



Wall-mounted fuse holder
IP65

technopolymer cable gland

Enclosure dimensions (mm)	Entry type	Poles	Fuse type	Palazzoli code	Pack Qty
62x80x46		2P	ø8,5x23	302044	1
62x80x46		3P	ø8,5x23	302054	1
62x102x46		2P	ø8,5x32	302144	1
62x102x46		3P	ø8,5x32	302154	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	302091	10
ø 8,5x23	4	230	302092	10
ø 8,5x23	6	230	302093	10
ø 8,5x23	10	230	302095	10
ø 8,5x23	16	230	302097	10
ø 8,5x32	4	400	302192	10
ø 8,5x32	6	400	302193	30
ø 8,5x32	10	400	302195	30
ø 8,5x32	16	400	302197	30



Wall-mounted junction boxes
IP65

technopolymer cable gland

Outer dimensions (mm)	Entry type	Palazzoli code	Pack Qty
62x80x38		101021	12
62x80x38		101031	10
62x80x38		101041	12
62x80x38		101061	12
77x102x48		101151	10
77x102x48		101161	1

Equipment included: as many cable glands as the number of entries.
Features: screws in stainless steel for fixing covers.



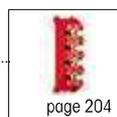
Wall-mounted junction boxes
with increased internal capacity
IP65

technopolymer cable gland

Outer dimensions (mm)	Entry type	Palazzoli code	Pack Qty
62x80x46		101022	10
77x102x55		101121	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		4x6 mm ²	101025	12
62x80x38		4x6 mm ²	101035	10
62x80x38		4x6 mm ²	101045	12
77x102x48		5x6 mm ²	101156	10
77x102x48		5x6 mm ²	101157	10

Equipment included: 6 mm² 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		101081	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	590020	5
M25	20	590025	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 ²	101096	20

Features: they can be inserted inside TAIS MIGNON boxes with dimensions 77x102mm and 77x125mm with screws.

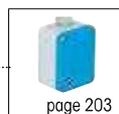


Terminal block with quick fit system for TAIS MIGNON boxes

Rated voltage (V)	No. of poles per section	Palazzoli code	Pack Qty
400	4x6 mm ²	101095	10

Features: they can be inserted inside TAIS MIGNON boxes with dimensions 77x102mm and 77x125mm with screws.

Technical accessories:





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	202291	1
2P	16A 250V~ 10A 400V~	62x80	202292	1
3P	16A 400V~	62x80	202293	1

Equipment included: with through holes for cable entry and accessories for panel fixing.
Features: code 202293 with double break contacts.



Flush-mounted push-buttons
IP67

Poles	Rated current/voltage	Flush-mount dimensions (mm)	Palazzoli code	Pack Qty
1 NO	10A 400V~	62x80	261495	1
1 NC	10A 400V~	62x80	261496	1

Equipment included: with through holes for cable entry and accessories for panel fixing.



Flush-mounted two-way switches
IP67

Poles	Rated current/voltage	Flush-mount dimensions (mm)	Palazzoli code	Pack Qty
1P	16A 250V~ 10A 400V~	62x80	202296	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	261493	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	202295	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.



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	800071	1
250	green	62x80	800072	1
250	Transparent	62x80	800073	1
250	yellow	62x80	800074	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	202299	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	559011	1
62x80	50x50	1+1	559012	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+ \neq 10/16A UNEL, pitch 19mm Schuko type (with side earth)	431252	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	559132	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	559134	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	471254	10
	110	●	3P+⊕	4	471214	1
	110	●	3P+N+⊕	4	471224	1
	230	●	2P+⊕	6	471354	1
	230	●	3P+⊕	9	471364	1
	230	●	3P+N+⊕	9	471334	1
	400	●	2P+⊕	9	471454	1
	400	●	3P+⊕	6	471464	1
	400	●	3P+N+⊕	6	471434	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	-	471054	1
	24	●	3P	-	471064	1
	42	○	2P	12	471154	1
	42	○	3P	12	471164	1
32	24	●	2P	-	471056	1
	24	●	3P	-	471066	1
	42	○	2P	12	471156	1
	42	○	3P	12	471166	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	101221	10



Bottom box for wall mounting of TAIS MIGNON flush-mounted socket-outlets

Outer dimensions (mm)	Entry type	Palazzoli code	Pack Qty
62x80x36	M20	101092	10
	M25		
77x102x42	M25	101191	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~	201151	1
2P	M20	16A 250V~ 10A 400V~	201152	1
2P	M20 M25	16A 250V~ 10A 400V~	201162	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~	201156	1
1P	M20 M25	16A 250V~ 10A 400V~	201166	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~	201155	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

technopolymer cable gland

Description	Entry type	Rated current/voltage	Palazzoli code	Pack Qty
1P NO	M20	10A 400V~	261021	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

technopolymer cable gland

Rated current (A)	Entry type	Rated voltage	Poles	Palazzoli code	Pack Qty
6	M20	25V~50Vcc	2P	401030	1
10	M20	25V~50Vcc	2P	401031	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	407030	1
10	25V~ 50Vcc	2P	407031	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	590021	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

technopolymer cable gland

Rated voltage (V)	Entry type	Diffuser colour	Lamp max. power (W)	Palazzoli code	Pack Qty
250	M20	red	12	800121	1
250	M20	green	12	800122	1
250	M20	Transparent	12	800123	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

technopolymer cable gland

Inner diameter (mm)	Entry type	Palazzoli code	Pack Qty
Ø 62	M20	112020	1
Ø 62	M20 M20	112030	10
Ø 62	M20 M20	112040	1
Ø 82	M25	113020	1
Ø 82	M25 M25	113030	10
Ø 82	M25 M25	113040	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 ²	112094	30
Ø 82	4x10 mm ²	113094	20



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	900253	1
110	105	101	13 VA initial 11 VA vibrating	900263	1
230	105	101	13 VA initial 11 VA vibrating	900273	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	900453	1
110	107/105	60 VA initial 25 VA vibrating	900463	1
230	107/105	60 VA initial 25 VA vibrating	900473	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	900448	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

3 Easy to carry, ergonomic handle for on-site use.



3

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					Palazzoli code	Pack Qty
	16A 2P+⊕	16A 3P+⊕	16A 3P+N+⊕	32A 3P+N+⊕	2P+⊕ P30/P17 10/16A		
32/6	4					644101	1
32/18	3	1				644102	1
32/18	3		1			644103	1
32/18	2	2				644104	1
32/18	2	1	1			644105	1
32/18	2	1		1		644106*	1
32/6	3				1	644110	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					Palazzoli code	Pack Qty
	16A 2P+⊕	16A 3P+⊕	16A 3P+N+⊕	32A 3P+N+⊕	2P+⊕ P30/P17 10/16A		
32/6	4					644001	1
32/18	3	1				644002	1
32/18	3		1			644003	1
32/18	2	2				644004	1
32/18	2	1	1			644005	1
32/18	2	1		1		644006*	1
32/6	3				1	644010	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					634101	1
32/18	3	1				634102	1
32/18	2	2				634104	1
32/18	2	1	1			634105	1
32/18	2	1		1		634106	1
32/6	3				1	634110	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	638040*	1
32/6	8					638041	1
32/18	4	4				638042	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	634100	1

Features: padlockable modular door. Mushroom push-button not included.

Technical accessories:

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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					634001	1
32/18	3	1				634002	1
32/18	2	2				634004	1
32/18	2	1	1			634005	1
32/18	2	1		1		634006	1
32/6	3				1	634010	1

Equipment included: power plug 3P+N+≐ (18 kW distribution boards), 2P+≐ (6 kW distribution board).

Features: padlockable modular door.

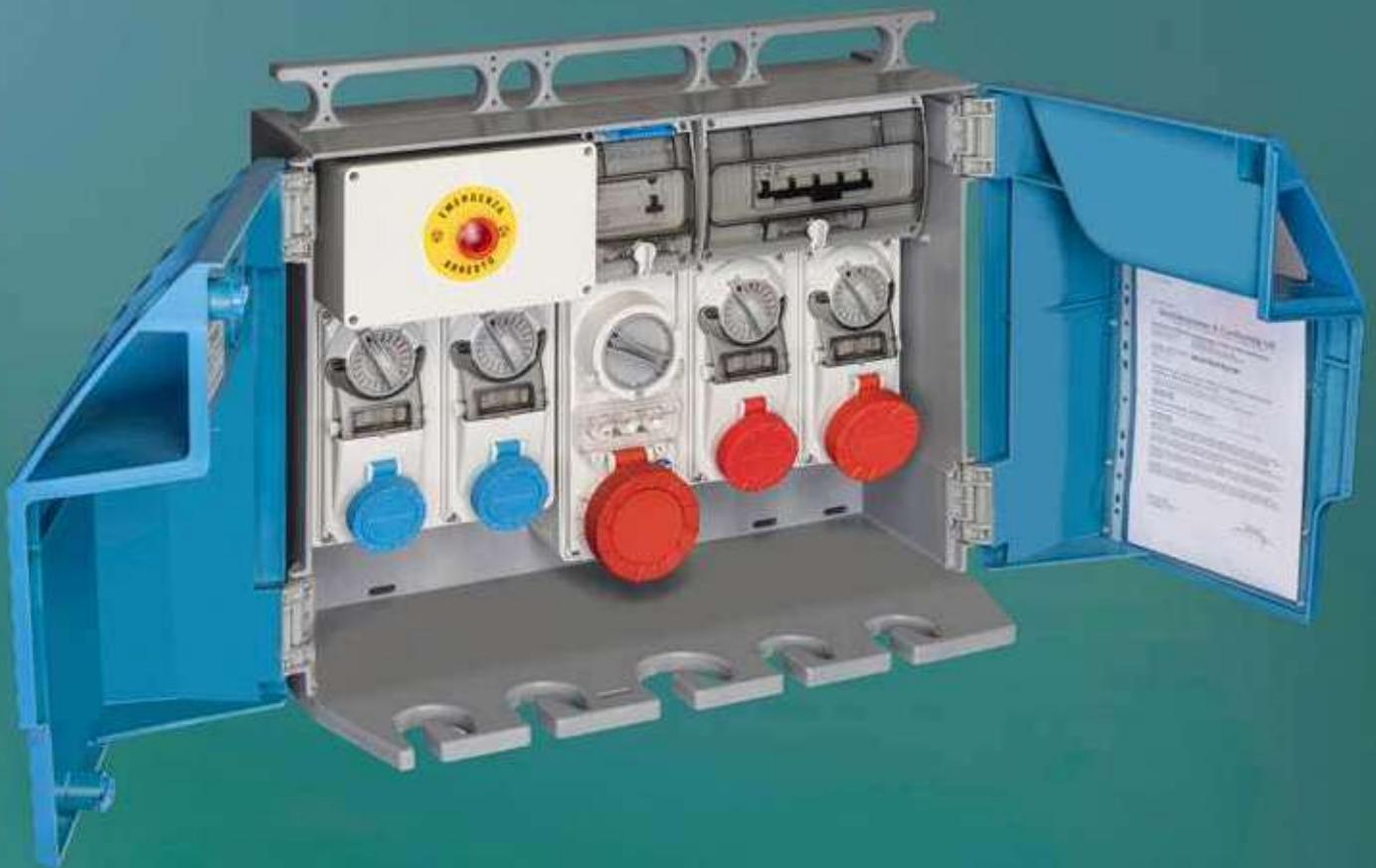
Notes: the version with plug cannot be used as the main distribution board for construction sites.



Stainless steel support for JANUS distribution boards

Manufacturing material	Palazzoli code	Pack Qty
galvanised and painted steel	601540	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

3

The cable clamp groove avoids the possibility that the plug is inadvertently removed from the wall-mounted distribution board.

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

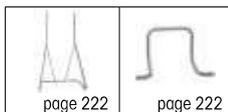


Assemblies for construction sites (ACS) with fixed socket-outlets protected by MCB entry with terminal block 50/60Hz IP65

Main switch A/kW	Industrial socket-outlets		Palazzoli code	Pack Qty
	16A 2P+≐ 230V	16A 3P+≐ 400V		
63/20	12		610012	1
63/40	6	6	610606	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



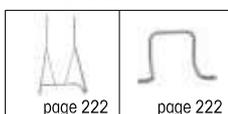
Assemblies for construction sites (ACS) with interlocked socket-outlets protected by MCB entry with terminal block 50/60Hz IP65

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						614101	1	
32/16	3	1					614102	1	
32/20	3			1			614103	1	
32/20	2	2					614104	1	
32/20	2	1	1				614105	1	
32/20	2	1		1			614106	1	
32/20	1	2		1			614107	1	
63/30	3	1		1			615101	1	
63/30	3	1			1		615102	1	
63/30	2	3					615103	1	
63/30	2	2		1			615104	1	
63/30	2	2			1		615105	1	
63/30	2	1		1		1	615106	1	
63/30	2	1	1		1		615107	1	
63/30	4	2					616101	1	
63/30	3	3					616102	1	
63/30	3	2		1			616103	1	
63/30	3	2			1		616104	1	
63/40	2	3		1			616105	1	
63/40	2	2		2			616106	1	
63/40	2		2		2		616107	1	
63/40	2	2		1	1		616108	1	
63/30	2	3				1	616109*	1	
63/30	2	2			1	1	616110*	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.

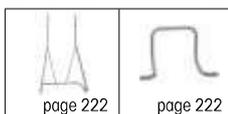


Assemblies for construction sites (ACS) with interlocked socket-outlets protected by fuses entry with terminal block 50/60Hz IP65

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

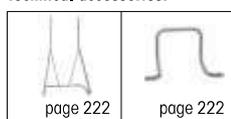
Description	Dimensions (mm)	Palazzoli code	Pack Qty
Empty box	680X605X340	501530	1

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:



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	501595	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	501591	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	501590	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	501560	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	501565	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

3x code 579620 or 3x code 579735

2x code 579620 or 2x code 579735



ENERGYBOX

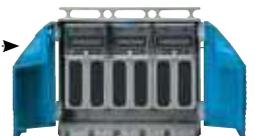
ACS assemblies for incoming power supply



Kit for ACS assemblies with 6 socket-outlets internal emergency 6 topTERs, 16A and/or 32A

Outer dimensions (mm)	No. of DIN modules	Palazzoli code	Pack Qty
680x605x340	9+9	601532	1

Equipment included: M40 cable gland for Ø 18-32mm cables.
Features: padlockable modular door.

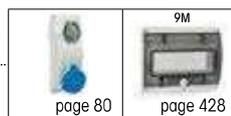


Kit for ACS assemblies with 6 socket-outlets external emergency 6 topTERs 16A and/or 32A

Outer dimensions (mm)	No. of DIN modules	Palazzoli code	Pack Qty
680x605x340	9+9+9	601632	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, 16A and/or 32A 1 topTER, 63A

Outer dimensions (mm)	No. of DIN modules	Palazzoli code	Pack Qty
680x605x340	5+12	601563	1

Equipment included: M40 cable gland for Ø 18-32mm cables.
Features: padlockable modular door.

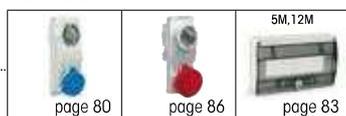


Kit for ACS assemblies with 5 socket-outlets external emergency 4 topTERs, 16A and/or 32A 1 topTER, 63A

Outer dimensions (mm)	No. of DIN modules	Palazzoli code	Pack Qty
680x605x340	12+5+12	601663	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	501550	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	501540	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	670030	1
2	1		3P+N+≐ - 16A	16A 30mA	670031	1
1	2		3P+N+≐ - 16A	16A 30mA	670032	1
2		1	2P+≐ - 16A	16A 30mA	670033	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	670040	1
3	1		3P+N+≐ - 16A	16A 30mA	670041	1
2	2		3P+N+≐ - 16A	16A 30mA	670042	1
	4		3P+≐ - 16A	16A 30mA	670043	1
2		2	2P+≐ - 16A	16A 30mA	670044	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	670060	1
3	3		3P+N+≐ - 32A	32A 30mA	670061	1
3	2	1	3P+N+≐ - 32A	32A 30mA	670062	1
6			3P+N+≐ - 32A	32A 30mA	670063	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+≐ 230V	MCB - RCD	Palazzoli code	Pack Qty
2	2	2P 16A	670130	1
2		2P 16A	670140	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	579012	10



Universal support
for topTER, PRIMA
and Energy Go
distribution boards

Manufacturing material	Palazzoli code	Pack Qty
width 239 mm and above	570010	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+≐	4	670013	1	
	230	Blue	2P+≐	6	670010	1	
	400		Red	3P+≐	6	670011	1
			Red	3P+N+≐	6	670012	1

Equipment included: 20 m of H 07 RN-F 2.5 mm² cable for connection to the plug.

THE ONLY PORTABLE INTERLOCKED EXTENSION



PRE-WIRED
BOARDS



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	500884	1
1530x740x430	1430x685	500885	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	500886	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 Constructions 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		675101	1
80/50	2		1	2		675102	1
125/78			2	2	2	676101	1
125/78				4	2	676102	1
100/62	2		1	4		677101	1
125/78		2		3	2	677102	1
100/62	3		1	4		678101	1
125/78		3		3	2	678102	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+N 230V	16A 3P+N 400V	32A 3P+N 400V	32A 3P+N+ 400V	63A 3P+N 400V	63A 3P+N+ 400V		
63/30	3	1	1				675001	1
100/60	1	2	1	1			675002	1
100/50	3	2	1				676001	1
100/50	3	2		1			676002	1
100/50	2	3		1			676003	1
100/60	2	2	2				676004	1
100/60	3	2	2				677001	1
100/60	2	2	3				677002	1
200/100	2	2	2			1	677003	1
100/60	2	2		3			677004	1
200/100	3	2	2			1	678001	1
200/100	2	2		2	1	1	678002	1

Equipment included: emergency push-button external to the distribution board.
Features: padlockable modular door.
Notes: power supply from below.



Assemblies for Constructions 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+N 230V	16A 3P+N 400V	32A 3P+N 400V	32A 3P+N+ 400V	63A 3P+N 400V	63A 3P+N+ 400V		
63/100	3	1	1				685001	1
100/60	1	2	1	1			685002	1
100/50	3	2	1				686001	1
100/50	3	2		1			686002	1
100/50	2	3		1			686003	1
100/60	2	2	2				686004	1
100/60	3	2	2				687001	1
100/60	2	2	3				687002	1
200/100	2	2	2			1	687003	1
100/60	2	2		3			687004	1
200/100	3	2	2			1	688001	1
200/100	2	2		2	1	1	688002	1

Equipment included: emergency push-button external to the distribution board.
Features: padlockable modular door.
Notes: power supply from below.



ENERGY TAIS

ACS distribution boards on stainless steel stand

Body material	Palazzoli Thermosetting GRP (distribution boards on plates) AISI 304 stainless steel (plate and canopy)
Protection rating	IP65
Impact resistance	IK10
Insulation class	II
Ambient operating temperature	-25°C - +50°C
Ambient storage temperature	-50°C - +80°C
Rated current	63A - 100A - 200A
Operating voltage	400V
Insulation voltage	500V
Operating frequency	50/60Hz
RCD protection type	AC



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	501500	1
1118x1335x565	1000x600	58	501501	1
1313x1335x565	1200x600	51	501502	1
1853x1685x748	1750x840	93	501503	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	500890	1
200/120		1	3	1	MT1	500891	1
200/120		1	4	1	MT2	500892	1
200/150		1	2	3	MT2	500893	1
200/120	1	2	3	1	MT2	500894	1
200/150		2	3	2	MT2	500895	1
200/120	1	3	3	1	MT3	500896	1
200/150		3	3	2	MT3	500897	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							MT1	500770	1
63/35	2	2		1					MT1	500767	1
63/35	2	2			1				MT1	500766	1
63/35	2		2		1				MT1	500768	1
63/35	3	1		1					MT1	500753	1
63/35	4	2							MT1	500762	1
100/50	2	2		2					MT2	500817	1
100/50	2	2			2				MT2	500816	1
63/35	2	2			1		1	MT1	500750	1	
100/50	2			4			1	MT2	500792	1	
100/50	2	2		3				MT2	500802	1	
100/50	2	2		2			1	MT2	500800	1	
100/50	2	2			3			MT2	500801	1	
100/50	2			2	2		1	MT2	500790	1	
100/50	2	2			2		1	MT3	500843	1	
200/100	2	2		2			1	MT3	500841	1	
200/100	2	2			2		1	MT3	500840	1	
200/100	3	3		2		1		MT3	500835	1	
200/100	3	3			2		1	MT3	500833	1	
200/100	2	2		2			2	MT3	500831	1	
200/100	2	2			2		1	MT3	500830	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	500874	1
63/35	3	1		1					FS1	500863	1
63/35	2	3							FS1	500872	1
63/35	2	2		1					FS1	500860	1
63/35	2	2			1				FS1	500861	1
100/50	2					2	2	MT2	500918	1	
100/50	3	3			2			MT2	500916	1	
100/50	3	2		2			1	MT2	500903	1	
100/50	3	2			2		1	MT2	500904	1	
100/50	2	2		2			2	MT2	500900	1	
200/100	3	3			2		1	MT3	500949	1	
200/100	4	2		2		1	1	MT3	500941	1	
200/100	4	2			2		1	MT3	500943	1	
200/100	4	2		2		1	2	MT3	500930	1	
200/100	4	4		2		1		MT3	500933	1	
200/100	4	4			2		1	MT3	500934	1	
200/100	4	4		2			1	MT3	500935	1	
200/100	4	2	2		2		1	MT3	500936	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 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
Page 249



TAISBOX-EXU

Zones 1, 2, 21 and 22
boxes
in antistatic thermosetting GRP
Page 251



ALUCASE-EXU

Zones 1, 2, 21 and 22
boxes
in aluminium alloy
Page 252



UNIBOX-EXU

Zones 2, 22
boxes
in aluminium alloy
Page 253



UNI-EX

Zones 1, 2, 21 and 22
cable glands
and adaptors
Page 256



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

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
Page 261



ALARM-EX

Zones 2, 21 and 22
sirens and bells
in aluminium alloy
Page 261

XCEE-EX

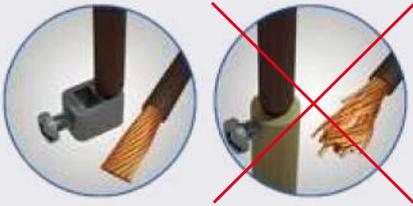




XCEE-EX Zone 2, 21, 22

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 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	760124EX	1
	110	Yellow	3P+⊕	4	760134EX	1
	110	Yellow	3P+N+⊕	4	760144EX	1
	230	Blue	2P+⊕	6	760126EX	1
	230	Blue	3P+⊕	9	760139EX	1
	230	Blue	3P+N+⊕	9	760149EX	1
	400	Red	2P+⊕	9	760129EX	1
	400	Red	3P+⊕	6	760136EX	1
	400	Red	3P+N+⊕	6	760146EX	1
	500	Black	3P+⊕	7	760137EX	1
	500	Black	3P+N+⊕	7	760147EX	1
	32	110	Yellow	2P+⊕	4	760224EX
110		Yellow	3P+⊕	4	760234EX	1
110		Yellow	3P+N+⊕	4	760244EX	1
230		Blue	2P+⊕	6	760226EX	1
230		Blue	3P+⊕	9	760239EX	1
230		Blue	3P+N+⊕	9	760249EX	1
400		Red	2P+⊕	9	760229EX	1
400		Red	3P+⊕	6	760236EX	1
400		Red	3P+N+⊕	6	760246EX	1
500		Black	3P+⊕	7	760237EX	1
500		Black	3P+N+⊕	7	760247EX	1
63		110	Yellow	2P+⊕	4	760324EX
	110	Yellow	3P+⊕	4	760334EX	1
	110	Yellow	3P+N+⊕	4	760344EX	1
	230	Blue	2P+⊕	6	760326EX	1
	230	Blue	3P+⊕	9	760339EX	1
	230	Blue	3P+N+⊕	9	760349EX	1
	400	Red	2P+⊕	9	760329EX	1
	400	Red	3P+⊕	6	760336EX	1
	400	Red	3P+N+⊕	6	760346EX	1
	500	Black	3P+⊕	7	760337EX	1
	500	Black	3P+N+⊕	7	760347EX	1

Cable features

Rated current (A)	Poles	Entry cable diameter (mm)	Cable cross-section range (mm ²)
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+⊕	476903	1
	3P+⊕	476913	1
	3P+N+⊕	476923	10
32A	2P+⊕ / 3P+⊕	476905	10
	3P+N+⊕	476925	10
63A	2P+⊕ / 3P+⊕ / 3P+N+⊕	476907	1
125A	2P+⊕ / 3P+⊕ / 3P+N+⊕	476909	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

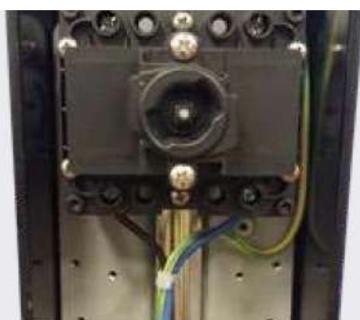


1

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



3

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.

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	<10⁹ 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
AC-21A	110V	16	32	40	50	63
	230V					
	400V					
	500V					
AC-22A	110V	16	32	40	50	63
	230V					
	400V					
	500V					
AC-23A	110V	16	32	40	50	63
	230V					
	400V					
	500V					
AC-23A	110V	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 ²	1-10		6-25		
Tightening torque	Nm	2		3		

Technical data sheets updated to new standards on 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

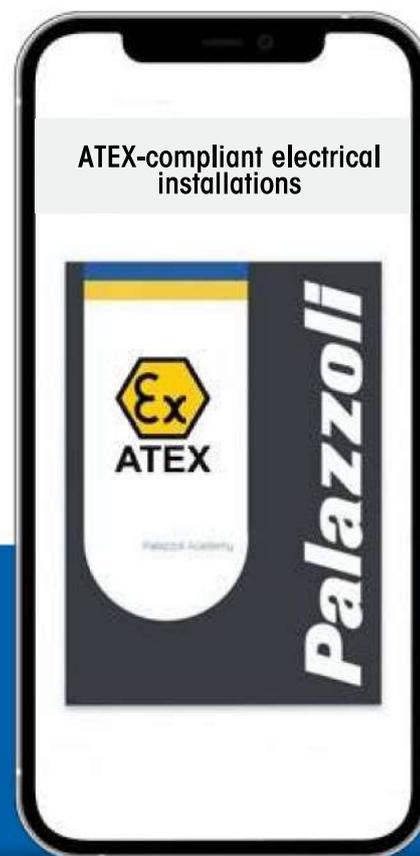
Rated current (A)	Ambient operating temperature (°C)	Surface operating temperature (°C) (Dust)	Temperature class (Gas)
16	-40 ... +60	T80	T6
25	-40 ... +60	T85	T5
32	-40 ... +60	T90	T5
40/50	-40 ... +60	T90	T5
63	-40 ... +60	T95	T5
100	-40 ... +60	T105	T4

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 III C
T 70°...105 °C
Db

II 3G Ex ec nC IIC
T3/T4/T5/T6 Gc

			ZONES 2, 21-22			
			M125	M125		
			Direct supply	Fuses		
I	V	No. of poles	Entry			
16A	230V	2P+≐	M32	461126EX	462126EX	760126EX
	400V	3P+≐	M32	461136EX	462136EX	760136EX
	400V	3P+N+≐	M32	461146EX	462146EX	760146EX
32A	230V	2P+≐	M32	461226EX	462226EX	760226EX
	400V	3P+≐	M32	461236EX	462236EX	760236EX
	400V	3P+N+≐	M32	461246EX	462246EX	760246EX
40A 50A	400V	3P+≐	M40		462336EX	760336EX
	400V	3P+N+≐	M40		462346EX	760346EX
63A	400V	3P+≐	M40	461336EX		760336EX
	400V	3P+N+≐	M40	461346EX		760346EX

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

125

532281EX

250

532282EX

380

532283EX

125

532286EX

630



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	461124EX	1
	110	Yellow	3P+⊕	4	461134EX	1
	110	Yellow	3P+N+⊕	4	461144EX	1
	230	Blue	2P+⊕	6	461126EX	1
	230	Blue	3P+⊕	9	461139EX	1
	230	Blue	3P+N+⊕	9	461149EX	1
	400	Red	2P+⊕	9	461129EX	1
	400	Red	3P+⊕	6	461136EX	1
	400	Red	3P+N+⊕	6	461146EX	1
	500	Black	3P+⊕	7	461137EX	1
32 M32 entry	110	Yellow	2P+⊕	4	461224EX	1
	110	Yellow	3P+⊕	4	461234EX	1
	110	Yellow	3P+N+⊕	4	461244EX	1
	230	Blue	2P+⊕	6	461226EX	1
	230	Blue	3P+⊕	9	461239EX	1
	230	Blue	3P+N+⊕	9	461249EX	1
	400	Red	2P+⊕	9	461229EX	1
	400	Red	3P+⊕	6	461236EX	1
	400	Red	3P+N+⊕	6	461246EX	1
	500	Black	3P+⊕	7	461237EX	1
63 M40 entry	110	Yellow	2P+⊕	4	461324EX	1
	110	Yellow	3P+⊕	4	461334EX	1
	110	Yellow	3P+N+⊕	4	461344EX	1
	230	Blue	2P+⊕	6	461326EX	1
	230	Blue	3P+⊕	9	461339EX	1
	230	Blue	3P+N+⊕	9	461349EX	1
	400	Red	2P+⊕	9	461329EX	1
	400	Red	3P+⊕	6	461336EX	1
	400	Red	3P+N+⊕	6	461346EX	1
	500	Black	3P+⊕	7	461337EX	1
500	Black	3P+N+⊕	7	461347EX	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	462124EX	1
	110	Yellow	3P+⊕	4	462134EX	1
	110	Yellow	3P+N+⊕	4	462144EX	1
	230	Blue	2P+⊕	6	462126EX	1
	230	Blue	3P+⊕	9	462139EX	1
	230	Blue	3P+N+⊕	9	462149EX	1
	400	Red	2P+⊕	9	462129EX	1
	400	Red	3P+⊕	6	462136EX	1
	400	Red	3P+N+⊕	6	462146EX	1
	500	Black	3P+⊕	7	462137EX	1
32 M32 entry	110	Yellow	2P+⊕	4	462224EX	1
	110	Yellow	3P+⊕	4	462234EX	1
	110	Yellow	3P+N+⊕	4	462244EX	1
	230	Blue	2P+⊕	6	462226EX	1
	230	Blue	3P+⊕	9	462239EX	1
	230	Blue	3P+N+⊕	9	462249EX	1
	400	Red	2P+⊕	9	462229EX	1
	400	Red	3P+⊕	6	462236EX	1
	400	Red	3P+N+⊕	6	462246EX	1
	500	Black	3P+⊕	7	462237EX	1
50 M40 entry	110	Yellow	2P+⊕	4	462324EX	1
	110	Yellow	3P+⊕	4	462334EX	1
	110	Yellow	3P+N+⊕	4	462344EX	1
	230	Blue	2P+⊕	6	462326EX	1
	230	Blue	3P+⊕	9	462339EX	1
	230	Blue	3P+N+⊕	9	462349EX	1
	400	Red	2P+⊕	9	462329EX	1
	400	Red	3P+⊕	6	462336EX	1
	400	Red	3P+N+⊕	6	462346EX	1
	500	Black	3P+⊕	7	462337EX	1
500	Black	3P+N+⊕	7	462347EX	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	532281EX	1
125x185x125		40 - 63	1	532286EX	1
250x185x125		16 - 32	2	532282EX	1
380x185x125		16 - 32	3	532283EX	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:



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	538800EX	1
250x630	2	538802EX	1
380x630	3	538804EX	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	538429EX	1
M40	M40	23	538436EX	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 ⁹ 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 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 ²)	Palazzoli code	Pack Qty
62x80x38			102025EX	1
		4x6	102035EX	1
			102045EX	1
77x102x48			102156EX	1
		5x6	102157EX	1

Included

Code	Technopolymer cable glands
102025EX	2 x M20
102035EX	3 x M20
102045EX	4 x M20
102156EX	6 x M20
102157EX	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 ²)	Type of earth terminals (mm ²)	Palazzoli code	Pack Qty
92x92x100				102232EX	1
		4x4	1x4	102242EX	1
125x125x100		8x4	2x4	102342EX	1
				102335EX	1
125x185x100		6x6	2x6	102345EX	1
				102365EX	1
				102443EX	1
125x185x100				102463EX	1
		8x10	2x10	102445EX	1
				102485EX	1

Included

Code	Technopolymer cable glands	Caps
102232EX	2 x M20	1 x M20
102242EX	3 x M20	1 x M20
102342EX	4 x M20	-
102335EX	2 x M25	1 x M25
102345EX	3 x M25	1 x M25
102365EX	4 x M25	2 x M25
102443EX	3 x M32	1 x M32
102463EX	4 x M32	2 x M32
102445EX	4 x M25	1 x M25
102485EX	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 ⁹ 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 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	532200EX	1
190x185x125	148x145x102	19	532201EX	1
250x185x125	205x147x102	23	532202EX	1
290x185x125	249x144x102	24	532203EX	1
380x185x125	336x147x102	25	532204EX	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	532035EX*	1
125x92x68	87x58x47	10	532045EX	1
185x92x68	150x55x47	12	532055EX	1
125x125x100	94x80x79	13	532116EX	1
185x125x100	142x92x79	15	532117EX	1
250x125x100	210x89x79	20	532118EX	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	532005EX	1
125x92x100	94x47x79	11	532006EX	1
185x92x100	151x50x79	16	532015EX	1
125x125x125	89x82x104	15	532016EX	1
185x125x125	144x86x104	17	532017EX	1
250x125x125	209x87x104	22	532018EX	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	531011EX	1
250x185x140	200x135x115	24	531021EX	1
250x250x140	200x200x115	28	531040EX	1
370x250x140	315x200x115	35	531042EX	1
500x370x140	450x315x115	60	531062EX	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	532700	1
532201EX	160x140	532701	1
532202EX-532242EX	208x145	532702	1
532203EX	260x145	532703	1
532204EX-532244EX	333x145	532704	1
532035EX-532005EX	59x59	532705	1
532045EX-532006EX	92x58	532714	1
532055EX-532015EX	142x62	532715	1
532116EX-532016EX	86x86	532716	1
532117EX-532017EX	100x86	532717	1
532118EX-532018EX	175x86	532718	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 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:



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UNIBOX-EXU Zones 2, 22

Boxes in aluminium alloy

Atex execution - Gas	II 3G - Ex ec IIC Gc U
Atex execution - Dust	II 3D - Ex tc IIIC Dc U
Body material	Aluminium alloy
Surface treatment	Fluorozirconate passivation
Colour	RAL 9005 Jet black
Protection rating	IP66
Additional IP rating	IP66/IP67
Impact resistance	4J
Corrosivity category	Equivalent to C3-H / C4-M
Insulation class	I
Ambient operating temperature	-20°C - +85°C
Ambient storage temperature	-50°C - +90°C



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)
520009EX	10	6	4
520011EX	13	9	6
520012EX	17	11	8
520014EX	25	17	12
520019EX	40	27	19
520020EX	62	43	29
520021EX	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 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	520009EX	1
UNI B11	115x140x61	103x128x46	13	520011EX	1
UNI B12	141x166x64	128x153x49	17	520012EX	1
UNI B14	168x192x80	152x176x65	25	520014EX	1
UNI B19	217x253x93	201x236x75	40	520019EX	1
UNI B20	264x314x122	243x295x104	62	520020EX	1
UNI B21	315x410x150	291x386x126	95	520021EX*	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:



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Back plates
in galvanised steel
for UNIBOX-EXU boxes

For box type	Dimensions (mm)	Palazzoli code	Pack Qty
UNI B11	119x78	522011	1
UNI B12	132x108	522012	1
UNI B14	165x125	522014	1
UNI B19	200x165	522019	1
UNI B20	250x210	522020	1
UNI B21	345x257	522021	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	521009	1
UNI B11	95	521011	1
UNI B12	125	521012	1
UNI B14	170	521014	1
UNI B19	230	521019	1
UNI B20	290	521020	1
UNI B21	380	521021	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 ²)						
	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

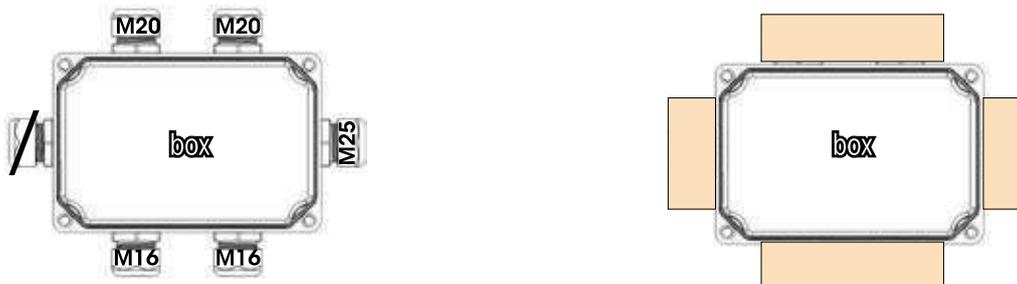
EXACT MAKE AND MODEL OF CABLE GLAND: _____

(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



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 ⁹ 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	571009EX	50
11	19	4-10,5	8	571011EX	50
13,5	21	5-12,5	9	571013EX	50
16	23	6,5-14	10	571016EX	50
21	29	8-18,5	11	571021EX	20
29	38	10-25	12	571029EX	20
36	48	24-34	15	571036EX	10
42	55	34-42	15	571042EX	5
48	61	40-48	15	571048EX	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	571109EX	50
11	19	4-10,5	15	571111EX	50
13,5	21	5-12,5	15	571113EX	50
16	23	6,5-14	15	571116EX	50
21	29	8-18,5	15	571121EX	20
29	38	10-25	15	571129EX	20
36	48	24-34	18	571136EX	10
42	55	34-42	18	571142EX	5
48	61	40-48	18	571148EX	5



Locknuts in insulating material with Pg pitch

Pg	Palazzoli code	Pack Qty
7	571207	50
9	571209	50
11	571211	50
13,5	571213	50
16	571216	50
21	571221	25
29	571229	20
36	571236	10
42	571242	5
48	571248	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	581012EX	50
M16x1,5	16,5	5-10	10	581016EX	50
M20x1,5	20,5	10-14	10	581020EX	50
M25x1,5	25,5	12-18	10	581025EX	20
M32x1,5	32,5	16-25	10	581032EX	20
M40x1,5	40,5	22-32	10	581040EX	20
M50x1,5	50,5	28-38,5	12	581050EX	10
M63x1,5	63,5	40-48	12	581063EX	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	581112EX	50
M16x1,5	16,5	5-10	15	581116EX	50
M20x1,5	20,5	10-14	15	581120EX	50
M25x1,5	25,5	12-18	15	581125EX	20
M32x1,5	32,5	16-25	15	581132EX	20
M40x1,5	40,5	22-32	16	581140EX	20
M50x1,5	50,5	28-38,5	16	581150EX	10
M63x1,5	63,5	40-48	16	581163EX	5



Screwcaps with metric threading IP66/IP68

Threading	Max. mounting hole (mm)	Thread length (mm)	Palazzoli code	Pack Qty
M12x1,5	12,5	15	581312EX	1
M16x1,5	16,5	15	581316EX	1
M20x1,5	20,5	15	581320EX	1
M25x1,5	25,5	15	581325EX	1
M32x1,5	32,5	15	581332EX	1
M40x1,5	40,5	15	581340EX	1
M50x1,5	50,5	15	581350EX	1
M63x1,5	63,5	15	581363EX	1



Metric pitch locknuts in technopolymer

Threading	Palazzoli code	Pack Qty
M12x1,5	581212	50
M16x1,5	581216	50
M20x1,5	581220	50
M25x1,5	581225	50
M32x1,5	581232	50
M40x1,5	581240	20
M50x1,5	581250	10
M63x1,5	581263	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	582112EX	50
M16x1,5	16,5	5-9,5	15	582116EX	50
M20x1,5	20,5	8-13	15	582120EX	50
M25x1,5	25,5	9-16	15	582125EX	20
M32x1,5	32,5	12-21	15	582132EX	20
M40x1,5	40,5	16-27	15	582140EX	20
M50x1,5	50,5	23-35	15	582150EX	10
M63x1,5	63,5	36-48	15	582163EX	5



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	580416EX	1
M20	20,5	9-15,5	7-12	15	580420EX	1
M25	25,5	13-20	9,5-15,5	15	580425EX	1
M32	32,5	18-27	14-20,5	15	580432EX	1
M40	40,5	23-33,5	17-27	15	580440EX	1
M50	50,5	29-40,5	22-33,5	15	580450EX	1
M63	63,5	40-54	34-47,5	15	580463EX	1

Notes: earthing tab available on request.



Nickel-plated brass locknuts with metric pitch

Threading	Palazzoli code	Pack Qty
M12x1,5	582212	50
M16x1,5	582216	50
M20x1,5	582220	50
M25x1,5	582225	25
M32x1,5	582232	20
M40x1,5	582240	10
M50x1,5	582250	10
M63x1,5	582263	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	580360EX	1
1/2" Gas	M20x1,5	580361EX	1
3/4" Gas	M25x1,5	580364EX	1
1" Gas	M32x1,5	580365EX	1



Pg/metric adaptors in galvanised steel for tube/box connections IP68

Male thread	Female thread	Palazzoli code	Pack Qty
Pg21	M25x1,5	580394EX	1
Pg29	M32x1,5	580395EX	1
Pg36	M40x1,5	580396EX	1



TAIS-EX Zones 2, 21, 22

Rotary devices in antistatic thermosetting GRP

Atex execution - Gas	II 3G -Ex ec nC IIC T4/ T5/T6 Gc
Atex execution - Dust	II 2D - Ex tb IIIC T 85°C...105°C Db
Body material	Palazzoli antistatic thermosetting GRP
Colour	RAL 9005 Jet black
Protection rating	IP66
Surface resistance	<10⁹ 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 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 (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 I _{th}	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
	110V		5,1	8,0	10,2	12,7	20,1	20,1
	230V		8,9	13,9	17,7	22,2	34,9	34,9
	400V		11,1	17,3	22,2	27,7	43,6	43,6
	500V		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 ²	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		290162EX	1
	3			290163EX	1
	4			290164EX	1
	2			290252EX	1
25	3	125x185		290253EX	1
	4			290254EX	1
	3			290323EX	1
	4			290324EX	1
40	3	125x185		290403EX	1
	4			290404EX	1
	3			290633EX	1
	4			290634EX	1
100	3	185x250		290103EX*	1
	4			290104EX*	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 _{th}	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	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 ²	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			270162EX	1
16	3			270163EX	1
	4			270164EX	1
	2	125x185	M25	270252EX	1
25	3			270253EX	1
	4			270254EX	1
	3			270323EX	1
32	4			270324EX	1
	3			270403EX	1
40	4	125x185	M32	270404EX	1
	3			270633EX	1
63	4			270634EX	1
	3			270103EX*	1
100	4	185x250	M40	270104EX*	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 ⁹ 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~	202271EX	1
Switch	2P	M20	16A 250V~/ 10A 400V~	202282EX	1
Two-way switch	1P	M20	16A 250V~/ 10A 400V~	202276EX	1
Selector switch	1P	M20	16A 250V~/ 10A 400V~	202275EX	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~	261435EX	1
1 NC	M20	10A 400V~	261445EX	1
1 NO + 1 NC (green - red)	M20	10A 400V~	261432EX	1
1 NO + 1 NC (black - red)	M20	10A 400V~	261433EX	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	900453EX	1
110	105	60	25	900463EX	1
230	105	60	25	900473EX	1

Equipment included: M20 technopolymer cable gland.

Terminal block in insulating thermosetting GRP.

Earthing terminal inside and outside the box.



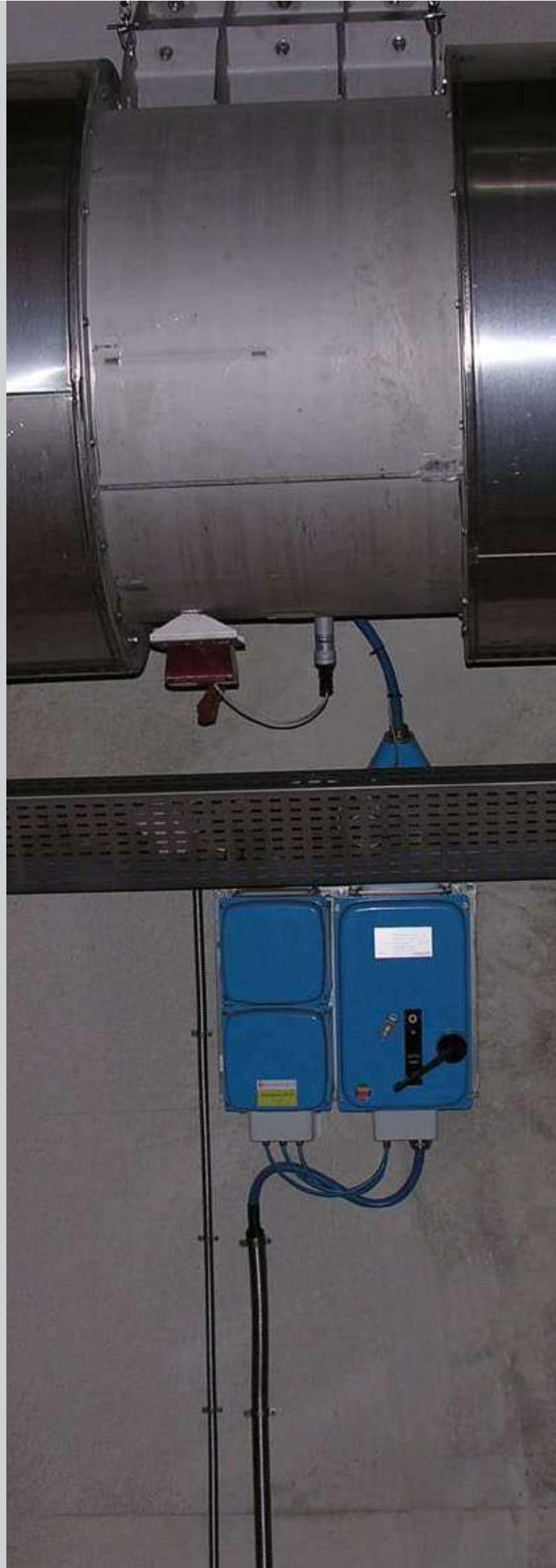
Directional horn for sirens

Max. diameter (mm)	Projection siren-horn (mm)	Palazzoli code	Pack Qty
112	238	900449	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

Page 265

FASTBOX-T54

electrifies the Firenze - Pisa - Livorno motorway





Marine

DISTRIBUTION TURRETS



B-SMART

Distribution turrets
Page 285

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
Page 269



ALUCASE-T54

Fire resistant junction boxes
with terminal blocks
Page 270



FIREBOX-T54

Fire resistant boxes
with terminal block
E30 - E60 - E90
Page 273

SOCKET-OUTLETS FOR FANS



ALUPRES-T54

Fire-resistant socket-outlets
for fans up to 60 kW
Page 276



ALUPRES-T54

Fire-resistant socket-outlets
for fans up to 120 kW
Page 278



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 ²
Fuse type	E14 – D01 (emergency circuit boxes) Cylindrical 5x20 (boxes for ordinary circuits)
Cable gland type	In nickered 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



Junction boxes in reinforced insulation-piercing technopolymer for single-pole cables with socket-outlet for ordinary circuits IP66

2P+ ÷
230V

Line cable cross-section (mm ²)	Class	Outer dimensions (mm)	Protections	Palazzoli code	Pack Qty
4-16	II	164x242x135	-	158201	1
4-16	II	164x242x135	1 4A fuse (L)	158211	1

Notes: special configurations on request.



Junction boxes in aluminium alloy with insulation-piercing for single-pole cables with 2 cable glands for emergency circuits, 830 °C 120' IP66

2xM20
Ø 7÷13mm

Line cable cross-section (mm ²)	Class	Outer dimensions (mm)	Protections	Palazzoli code	Pack Qty
4-35	I	247x225x130	1 6A fuse (L)	157012	1
4-35	I	247x225x130	2 6A fuses (L+N)	157112	1
4-35	II	247x225x130	1 6A fuse (L)	158012	1
4-35	II	247x225x130	2 6A fuses (L+N)	158112	1

Notes: special configurations on request.



Junction boxes in aluminium alloy with insulation-piercing for single-pole cables with socket for emergency circuits, 830 °C 120' IP66

2P+ ÷
230V

Line cable cross-section (mm ²)	Class	Outer dimensions (mm)	Protections	Palazzoli code	Pack Qty
4-35	I	247x225x130	1 4A fuse (L)	157001	1
4-35	I	247x225x130	2 4A fuses (L+N)	157101	1
4-35	II	247x225x130	1 fuse 4A (L)	158001	1
4-35	II	247x225x130	2 4A fuses (L+N)	158101	1

Notes: special configurations on request.



Supports for insulation-piercing boxes in aluminium alloy

Manufacturing material	Palazzoli code	Pack Qty
AISI 304 stainless steel	157050	20
Galvanised and RAL 7035 painted steel	157051	20

Notes: suitable for channels with maximum height of 100 mm.



Junction boxes in aluminium alloy with insulation-piercing for single-pole cables with cable gland for emergency circuits, 830 °C 120' IP66

M20
Ø 7÷13mm

Line cable cross-section (mm ²)	Class	Outer dimensions (mm)	Protections	Palazzoli code	Pack Qty
4-35	I	247x225x130	1 4A fuse (L)	157011	1
4-35	I	247x225x130	2 4A fuses (L+N)	157111	1
4-35	II	247x225x130	1 fuse 4A (L)	158011	1
4-35	II	247x225x130	2 4A fuses (L+N)	158111	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	157060	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 ²
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 ²)	Terminal poles per section (mm ²)	Outer dimensions (mm)	Line cable glands (ømm)	Palazzoli code	Pack Qty
2x (1x4)-2x (1x6)	2x6	185x185x105	M16 (4-9,5)	151011	1
2x (1x10)-2x (1x16)	2x16	185x185x105	M20 (7-13)	151022	1
2x (1x25)-2x (1x35)	2x40	185x252x152	M25 (8-16)	151034	1
2x (1x50)-2x (1x70)	2x70	252x315x193	M32 (11-21)	151045	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 ²)	Terminal poles per section (mm ²)	Outer dimensions (mm)	Line cable glands (ømm)	Palazzoli code	Pack Qty
2x (1x4)-2x (1x6)	2x6	185x185x105	M16 (4-9,5)	151311	1
2x (1x10)-2x (1x16)	2x16	185x185x105	M20 (7-13)	151322	1
2x (1x25)-2x (1x35)	2x40	185x252x152	M25 (8-16)	151334	1
2x (1x50)-2x (1x70)	2x70	252x315x193	M32 (11-21)	151345	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 (mm²)	Terminal poles per section (mm²)	Outer dimensions (mm)	Line cable glands (ømm)	Palazzoli code	Pack Qty
4x4 - 4x6	4x6	185x252x152	M32 (11-21)	151241	1
4x10	4x16	185x252x152	M32 (11-21)	151242	1
4x16	4x16	185x252x152	M40 (15-27)	151252	1
4x25 - 4x35	4x40	185x252x152	M40 (15-27)	151264	1
3x50+25 - 3x70+35	4x70	252x315x193	M50 (22-35)	151275	1
70	4x70	252x315x193	M63 (35-48)	151285	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 (mm²)	Terminal poles per section (mm²)	Outer dimensions (mm)	Line cable glands (ømm)	Palazzoli code	Pack Qty
4x4 - 4x6	4x6	252x185x152	M32 (11-21)	151641	1
4x10	4x16	252x185x152	M32 (11-21)	151642	1
4x16	4x16	252x185x152	M40 (15-27)	151652	1
4x25 - 4x35	4x40	252x185x152	M40 (15-27)	151664	1
3x50+25 - 3x70+35	4x70	315x252x193	M50 (22-35)	151675	1
70	4x70	315x252x193	M63 (35-48)	151685	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 (mm²)	Terminal poles per section (mm²)	Outer dimensions (mm)	Line cable glands (ømm)	Palazzoli code	Pack Qty
4x4 - 4x6	4x6	185x252x152	M32 (11-21)	151441	1
4x10	4x16	185x252x152	M32 (11-21)	151442	1
4x16	4x16	185x252x152	M40 (15-27)	151452	1
4x25 - 4x35	4x40	185x252x152	M40 (15-27)	151464	1
3x50+25 - 3x70+35	4x70	252x315x193	M50 (22-35)	151475	1
70	4x70	252x315x193	M63 (35-48)	151485	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	151901	10
AISI 304 stainless steel	185x252 - 315x252	151902	10
AISI 304 stainless steel	252x315	151903	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 ² (steel) 4 - 25 mm ² (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 (mm²)	Hole type	Palazzoli code	Pack Qty
160x120x75	3x6		151735	1
160x120x75	5x6		151755	1
200x155x75	3x16		151731	1
200x155x75	5x16		151751	1
250x185x130	3x35		151733	1
250x185x130	5x35		151753	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 (mm²)	Hole type	Palazzoli code	Pack Qty
200x155x75	3x6		151835	1
200x155x75	5x6		151855	1
250x185x130	3x16		151831	1
250x185x130	5x16		151851	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 (mm²)	Hole type	Palazzoli code	Pack Qty
150x150x90	5x6		151355	1
250x250x130	5x16		151351	1
250x250x130	5x35		151353	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



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.



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.



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 25mm².





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



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	151611	1
	600-690V	3P+≐	1 NO	151612	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	151613	1
	600-690V	3P+≐	1 NO	151614	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.



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



ALUPRES-T54

Fire-resistant socket-outlets for fans up to 60 kW



M40
Ø 15÷27mm

Reducers for large-section single-pole cables
400 °C 120' / 830 °C 120'
IP66

Line cable cross-section (mm ²)	Terminal poles per section (mm ²)	Outer dimensions (mm)	Line cable glands (ømm)	Palazzoli code	Pack Qty
from 50 to 70	3x70	185x252x152	M32 (11-21)	151533	1
from 95 to 120	3x125	252x315x193	M40 (15-27)	151534	1
from 150 to 185	3x200	315x315x193	M40 (15-27)	151535	1

Features: provision for internal and external earth connection.
M40 exit for 3x25mm² or 3x16mm² cables.
Notes: special configurations on request.



M40
Ø 15÷27mm

Reducers for large-section multi-pole cables
400 °C 120' / 830 °C 120'
IP66

Line cable cross-section (mm ²)	Terminal poles per section (mm ²)	Outer dimensions (mm)	Line cable glands (ømm)	Palazzoli code	Pack Qty
50	3x70	185x252x152	M50 (22-35)	151531	1
70	3x70	185x252x152	M63 (35-48)	151532	1

Features: provision for internal and external earth connection.
M40 exit for 3x25mm² or 3x16mm² 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	151541	1



Reducers for large-section multi-pole cables
400 °C 120' / 850 °C 90'
IP66

Applications	Palazzoli code	Pack Qty
for channel L 200mm	151542	1
for channel L 300mm	151543	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	151544	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+⊕	151880	1
125	400-690V	3P+⊕	151881	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	151890	1
125	400-690V	3P+⊕	M50	151891	1



Supports for ceiling mounting of socket-outlets for fans up to 120 kW

Manufacturing material	Palazzoli code	Pack Qty
AISI 304 stainless steel	151900	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	151930	1
M40	15-27	151931	1
M50	22-35	151932	1
M63	35-48	151933	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	151940	1
3 x M32	11-21	151941	1
3 x M40	15-27	151942	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)	151553	1
3x25					
3x35	3x40	252x185x152	M40 (15-27)	151564	1
3x50	3x70	252x185x152	M50 (22-35)	151575	1
3x70	3x70	252x185x152	M63 (35-48)	151585	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



UNAV turrets, socket-outlets and devices

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.

2



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.

3



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.

4





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 ²
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	576100	1
	1	1	2	576101	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	32A 3P+N+≐ 400V			
360x895x276	4					4	576200	1
				4		4	576201	1
	2	2				4	576202	1
	2			2		4	576203	1
	2		2			4	576205	1
	2	1			1	4	576206	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	576110	1
	1	1			2	576111	1
360x895x276				2	2	576112	1
			1	1	2	576113	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	576800	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	576401	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	576600	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	576400	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	576601	1

Features: fire hose type 'gornel', Ø 45mm, 20 m. Lance type AWG UNI45 with 3 effects, complete with 1"1/2 UNI45 brass top. 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	575701	1
360x895x276			575702	1



SAFE CRASH breakable glass for fire prevention turrets

Description	Palazzoli code	Pack Qty
patented "SAFE CRASH" flat breakable glass	575706	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	575711	1
stainless steel frame complete with fixing screws	360x895x276	575710	1



Door lock kit for pier and campsite turrets

Description	Palazzoli code	Pack Qty
kit with 2 unified code keys	575708	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

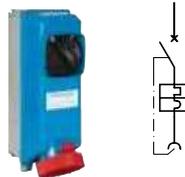
2014/30/EU (EMC)
2014/35/EU (LVD)
2011/65/EU (RoHS)
2012/19/EU (WEEE)

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

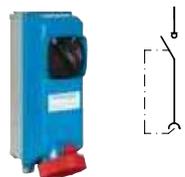
M32 ENTRY



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	474771	1

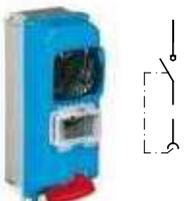
M25 ENTRY



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	469233	1

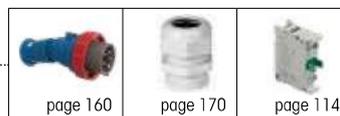
M32 ENTRY



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	472133	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	474486	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	491233	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	460233	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	489233	1

Technical accessories:



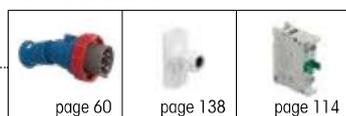
WINDOW F1



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	472735	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	772233	1

Technical accessories:



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	412233	1

Technical accessories:



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	770233	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	760233	1

Technical accessories:



COINTAINER

electrifies Dubai's Jebel Ali commercial hub





UNAV

Boxes, sockets, switches and two-way switches

Body material	Brass
Colour	RAL 7035 Light grey
Protection rating	IP66
Impact resistance	IK10
Corrosivity category	Equivalent to C2-H / C3-M
Insulation class	I
Ambient operating temperature	-25°C - +50°C
Ambient storage temperature	-30°C - +70°C
Rated current	10A - 16A
Operating voltage	230V
Insulation voltage	230V
Operating frequency	50/60Hz



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 ²	2 opposites + 2 caps	115628	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	●	2P+ \neq	6	478213	1

Equipment included: brass cable gland M24x1.5.
Features: contact holder insert in self-extinguishing thermosetting GRP.

Technical accessories:



page 60



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	461121	1
	127V~	2P+⊕	1	461151	1
	230V~	2P+⊕	1	461131	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	462131	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+⊕	467021	10
	127V~	2P+⊕	467051	10
	230V~	2P+⊕	467031	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	232627	1
	2	2 opposite	232637	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	232628	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	585480	10



Brass screw cap with gaskets

Threading	Palazzoli code	Pack Qty
M24x1.5	585490	10

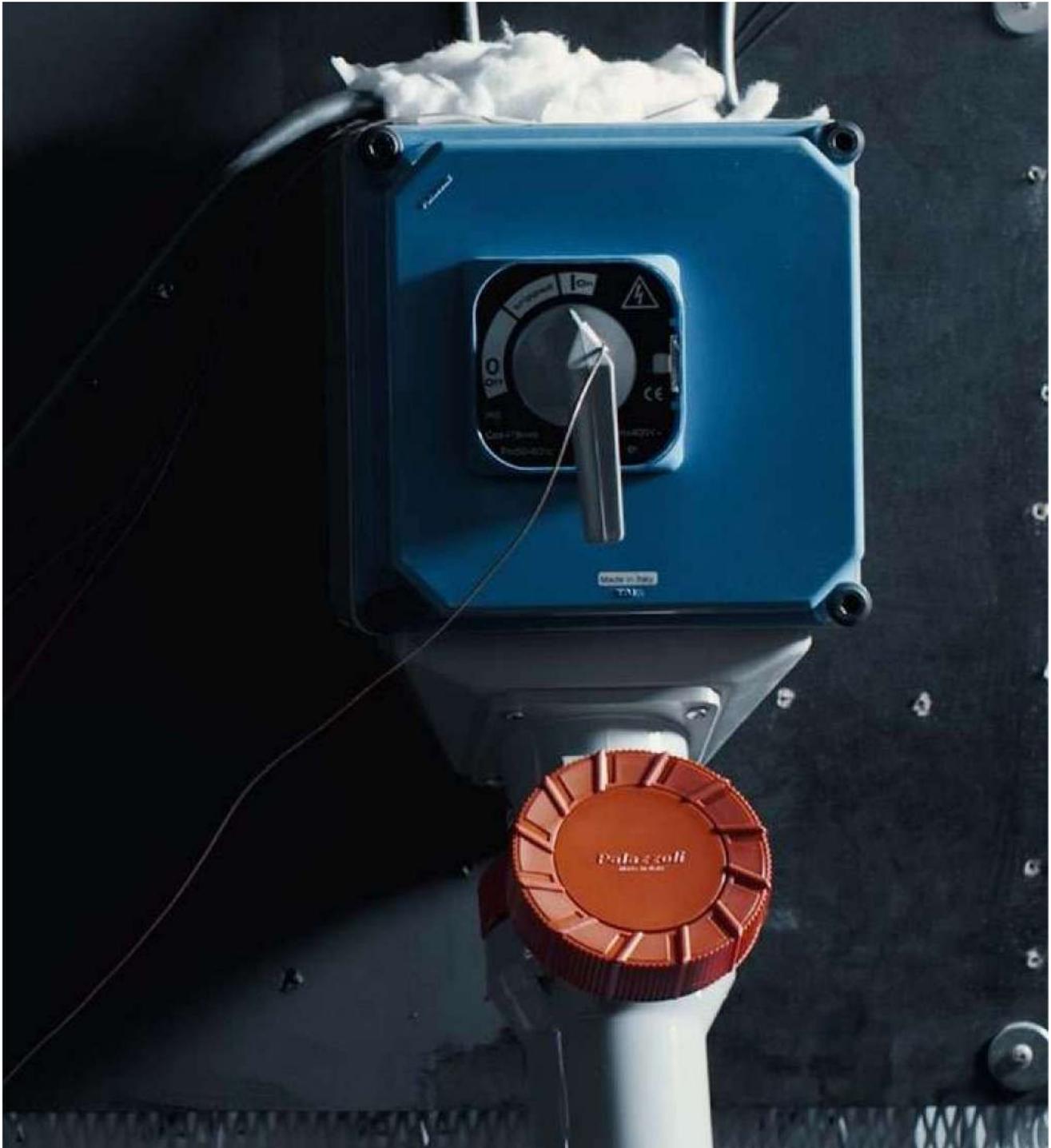


Washers with seals

Manufacturing material	Diameter (mm)	Palazzoli code	Pack Qty
brass	10	585408	10
	13	585412	10
	16	585415	10



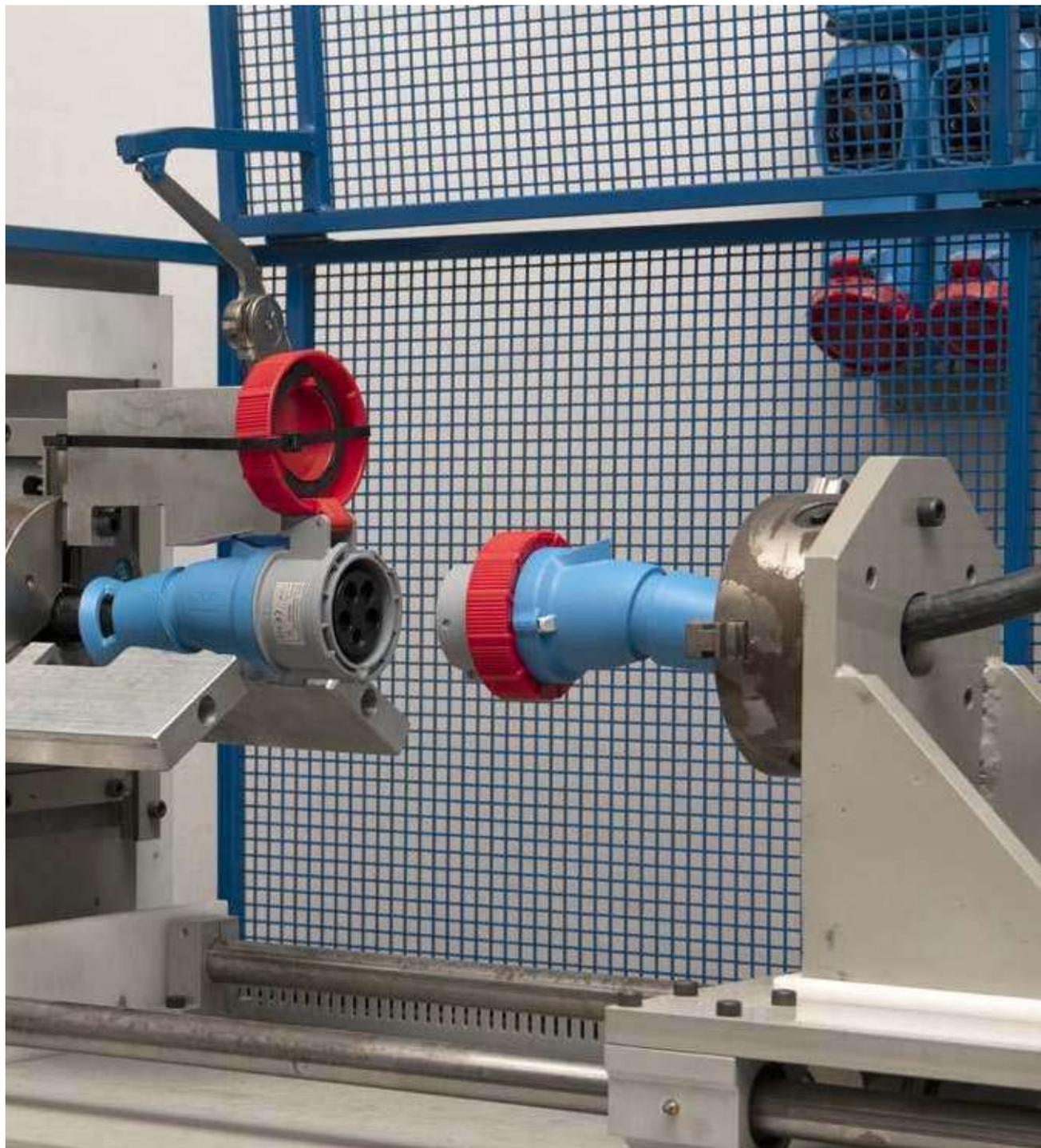
Heating Testing



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

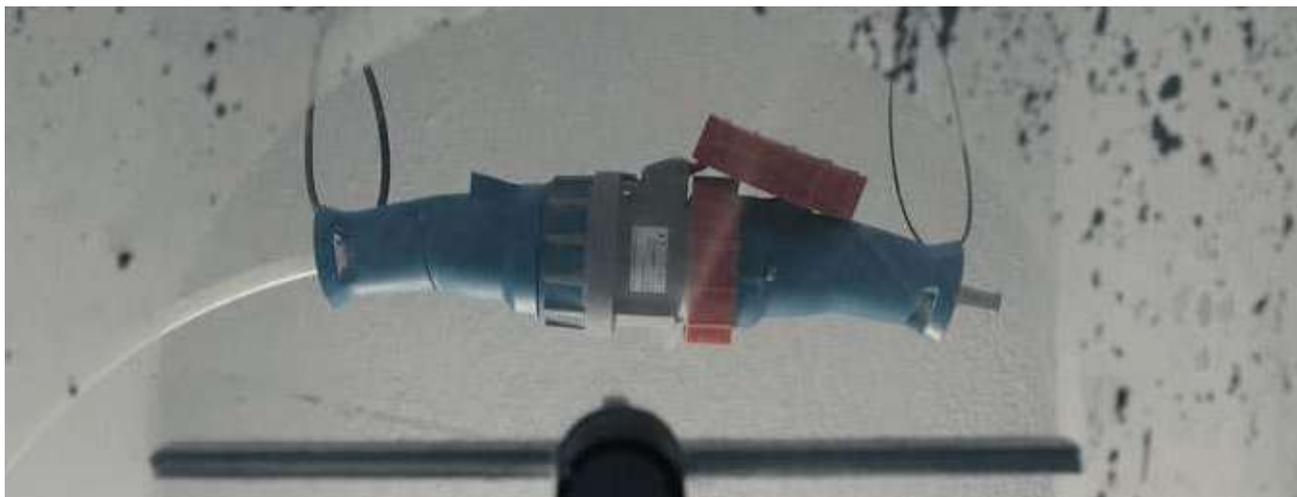


The IEC/EN 62262 standard defines a coding system, the IK code, to indicate the level of protection provided by an enclosure of electrical equipment against external mechanical impacts.

Symbol	00	no protection.
IK	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

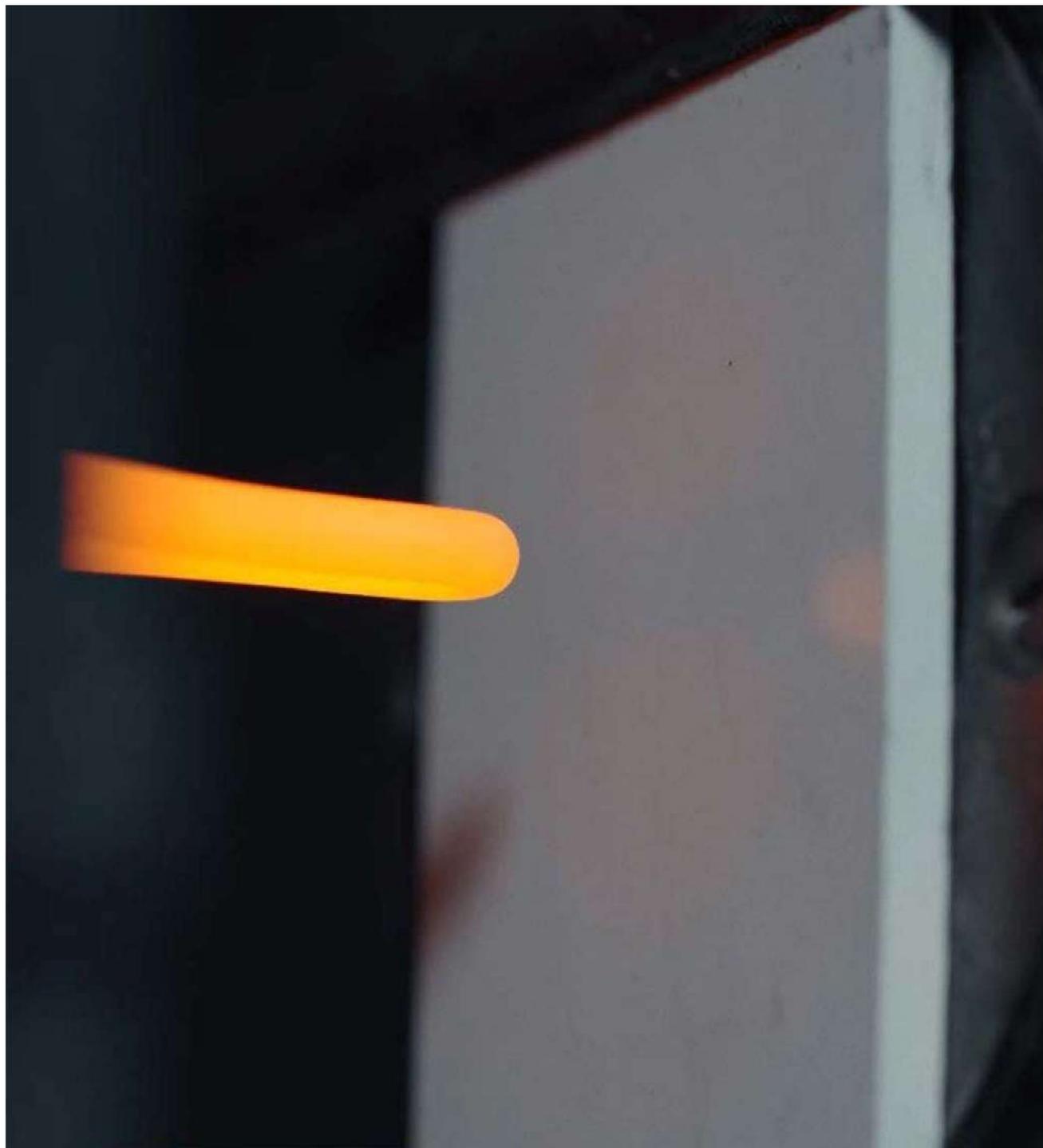


The IEC/EN 60529 standard allows to indicate through the IP (Ingress Protection) rating system the degree of protection provided by the enclosures of electrical equipment against access to hazardous parts and against the penetration of solid foreign bodies and/or water.

Symbol	1st digit: Protection against penetration by solid foreign bodies	2nd digit: Protection against the penetration of liquids	
IP	0	No Protection.	
	1	Protected against the penetration of solid foreign bodies larger than 50 mm (hands).	
	2	Protected against the penetration of solid foreign bodies larger than 12 mm (fingers).	
	3	Protected against the penetration of solid foreign bodies larger than 2.5 mm (tools, cables).	
	4	Protected against the penetration of solid foreign bodies larger than 1 mm (wires).	
	5	Protected against harmful dust deposits affecting good operation.	
	6	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		7
			8
			9



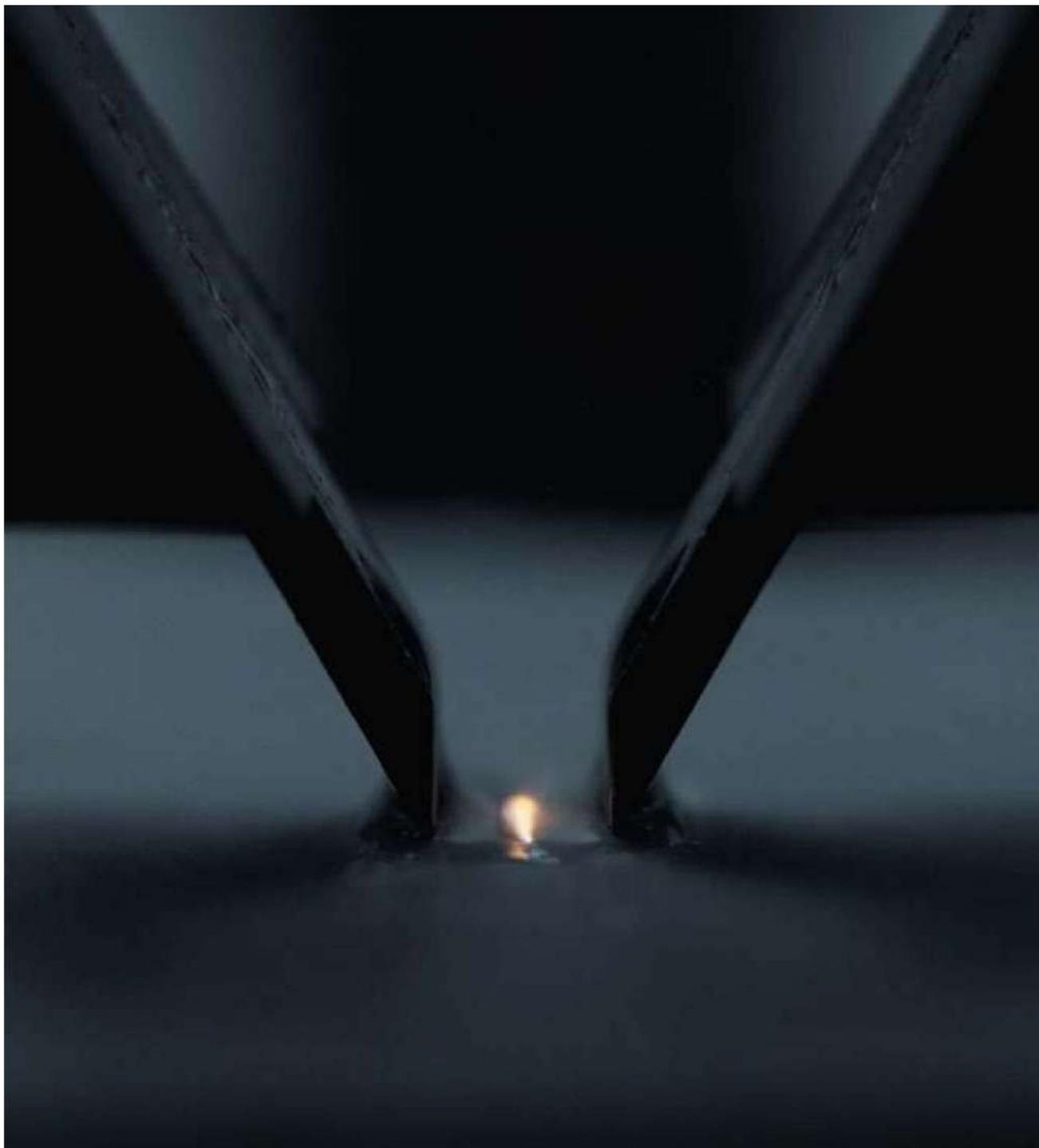
Glow wire test



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



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	
C	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 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

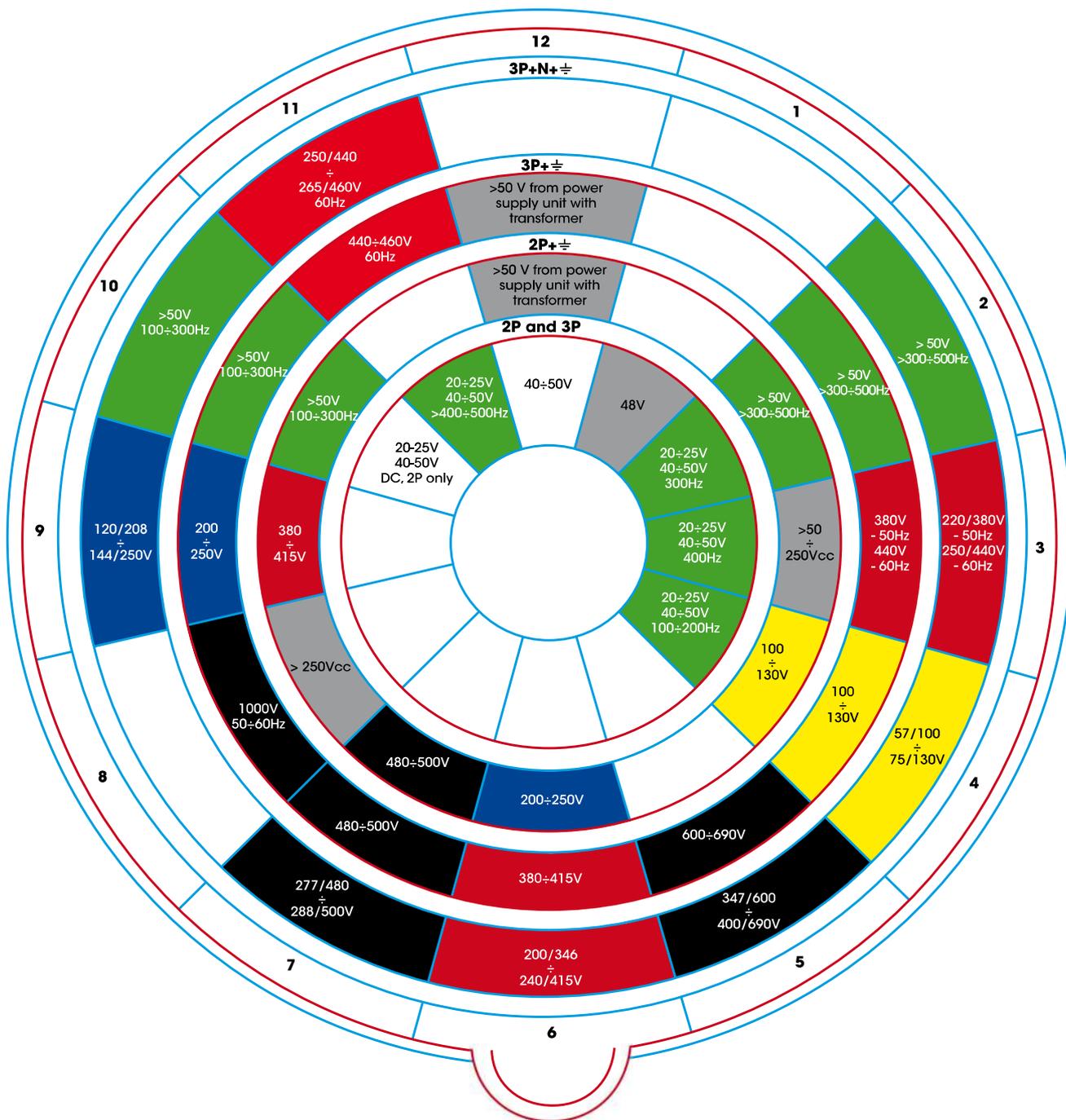
WATER	SALINE SOLUTION	ACIDS		BASES		SOLVENTS			
		CONCENTRATED	DILUTED	CONCENTRATED	DILUTED	ALCOHOL	ACETONE	PERCHLOROETHYLENE	BENZENE
↑	↑	↓	→	↓	→	↑	↑	↑	↑
OILS		FATS		AMMONIA	OXIDISERS	INORGANIC SALTS	GASOLINE	DETERGENTS	U.V. RAYS
MINERAL	VEGETABLE	ANIMAL	SYNTHETIC						
↑	↑	→	↑	↑	→	↑	↑	↑	↑

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					
	Vtest	Vtest		cosφ	No. of op.	Vtest	Vtest		cosφ	Vtest	
		Closes	Opens				Closes	Opens		empty	load
AC-23A	1.05 Ue	10 Ie	8 Ie	0.45/0.35	5/3	Ue	Ie	Ie	0.65	8500	1500
AC-3	1.05 Ue	8 Ie	8 Ie	0.45/0.35	50	1.05 Ue	2 Ie	2 Ie	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	500
Rated impulse-withstand voltage Uimp	kV	4	4	4	4	4	4	4	4	4	4
Rated closing capacity	A	160	250	400	630	1000	1250	1250	1250	1250	1250
Rated breaking capacity	A	128	200	320	504	800	1000	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	3000
Conditional short-circuit current	kA	10	10	10	10	15	10	15	15	15	15
Protective fuse max. current (gG)	A	16	25	40	63	100	200	400	600	800	1200
Rated and interrupted thermal current Ith = Iu	A	16	25	40	63	100	200	400	600	800	1200
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		5.1	8.0	12.7	20.1	31.9	63.7	-	-	-	-
400V	kW	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		4.5	6.4	11.2	17.5	-	31.9	-	-	-	-
400V	kW	7.8	11.1	19.4	30.5	-	55.4	-	-	-	-
500V		9.7	13.9	24.2	38.1	-	51.9	-	-	-	-
AC-4 230V		3.5	4.5	6.7	11.2	-	-	-	-	-	-
400V	kW	6.1	7.8	11.6	19.4	-	-	-	-	-	-
500V		7.6	9.7	14.5	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		3.2	4.5	5.7	6.4	10.2	12.7	20.1
400V	kW	5.5	7.8	10.0	11.1	17.7	22.2	34.9
500V		4.2	6.9	8.3	11.1	17.3	22.2	34.6
600V		5.0	8.3	10.0	13.3	20.8	26.6	41.6
AC-3 230V		2.5	3.8	5.1	5.7	8.9	11.2	17.8
500V	kW	4.4	6.7	8.9	10.0	15.5	19.4	31.0
400V		4.2	6.9	8.3	11.1	17.3	22.2	34.6
600V		5.7	9.6	11.5	15.3	23.9	30.6	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 230V	A	16	25	32	32	40	63	63	90	160	200	250	400	630	
AC-23A 400V									70						
AC-23A 500V									50						
AC-23A 690V	kW	5.1	8.0	10.2	10.2	12.7	20.1	20.1	22	48	60	75	132	200	
AC-23A 230V									8.9						
AC-23A 400V									11.1						
AC-23A 500V									15.3						
AC-23A 690V	kW	23.9	30.6	30.6	38.2	60.2	60.2	144	200	250	400	400	630	-	
AC-3 230V															5.1
AC-3 400V															8.9
AC-3 500V															11.1
AC-3 690V	kW	17.3	22.2	22.2	27.7	34.6	34.6	-	-	-	-	-	-	-	
AC-3 230V															11.1
AC-3 400V															15.3
AC-3 500V															23.9
AC-4 230V	kW	2.9	4.5	5.7	5.7	-	-	-	-	-	-	-	-	-	
AC-4 400V															5.0
AC-4 500V															6.2
AC-4 230V	kW	7.8	10.0	10.0	-	-	-	-	-	-	-	-	-	-	
AC-4 400V															9.7
AC-4 500V															12.5

*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 ²	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 ²	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:

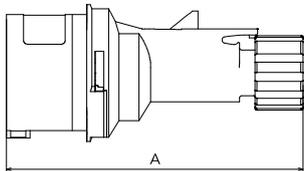
ABCD SpA, Via Moro 2, Milan (manufacturer's name and address)
 MRT – 1234 – 2004 (type, serial or batch number, year)
CE0051 (CE mark, identification number of the Notified Body responsible for manufacturing supervision)
 II 2G (group, category)
 Ex d IIB T4 Gb (protection method, gas group, EPL temperature class)
 CESI 02 ATEX 0999 (CE type test certificate number)
 Characteristic parameters (supply voltage, frequency, etc.)



PLUGS AND SOCKETS

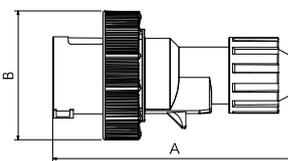
MULTIMAX

IP44 plugs



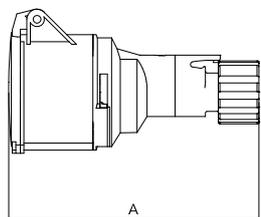
Rated current (A)	No. of poles	A (mm)
16	2P+⊕	127
	3P+⊕	134
	3P+N+⊕	142
32	2P+⊕	154
	3P+⊕	154
	3P+N+⊕	173

IP67 plugs



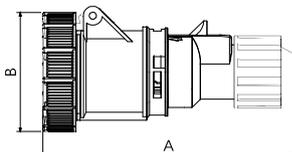
Rated current (A)	No. of poles	A (mm)	B (mm)
16	2P+⊕	135	69,5
	3P+⊕	140	77,5
	3P+N+⊕	150	85,5
32	2P+⊕	165	92
	3P+⊕	165	92
	3P+N+⊕	170	98,5
63	2P+⊕	250	111
	3P+⊕	250	111
	3P+N+⊕	250	111

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

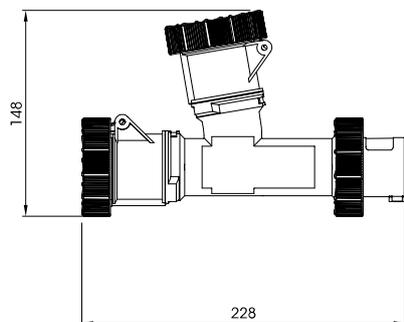
IP67 mobile socket-outlets



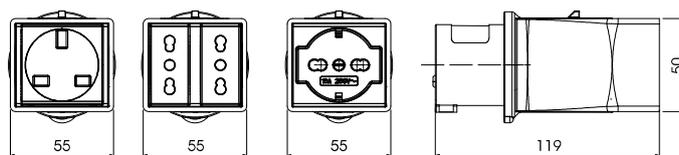
Rated current (A)	No. of poles	A (mm)	B (mm)
16	2P+⊕	145	69,5
	3P+⊕	150	77,5
	3P+N+⊕	165	85,5
32	2P+⊕	180	92
	3P+⊕	180	92
	3P+N+⊕	185	98,5
63	2P+⊕	270	111
	3P+⊕	270	111
	3P+N+⊕	270	111

MULTIPLAY

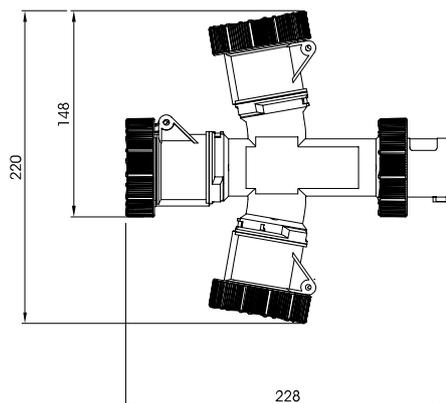
Multipliers with 2 outlets



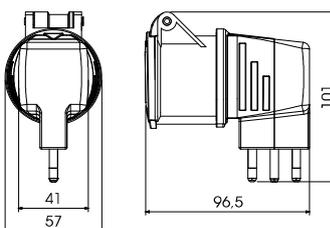
Adaptor with industrial plug



Multipliers with 3 outlets



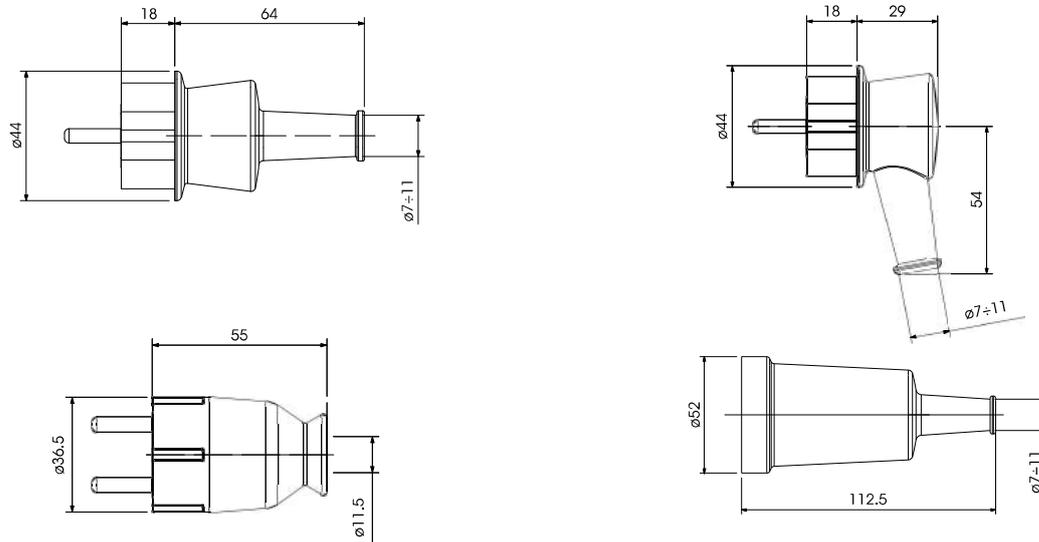
Adaptor with domestic plug





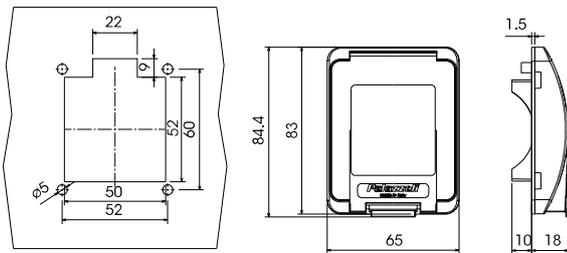
PLUGS AND SOCKETS

SPIN

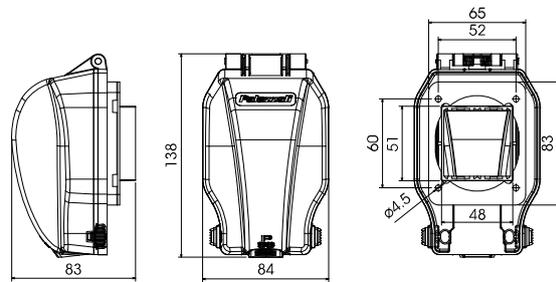


topTER

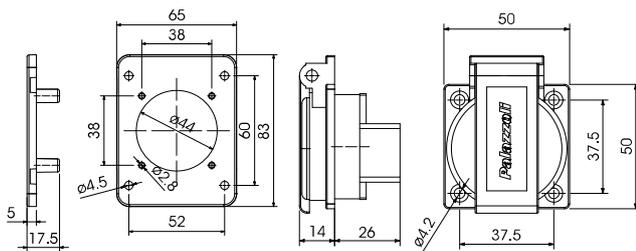
IP66 cap



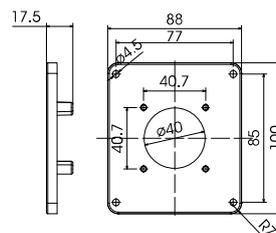
IP66 cap



Flange and international domestic sockets



Flange for extra low voltage sockets

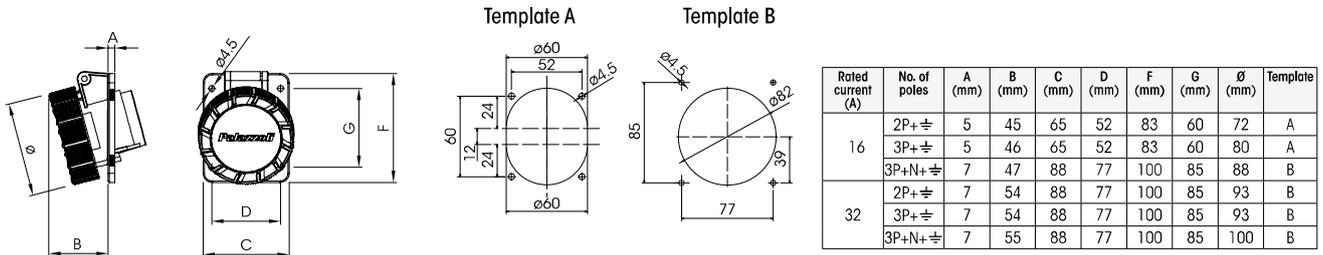




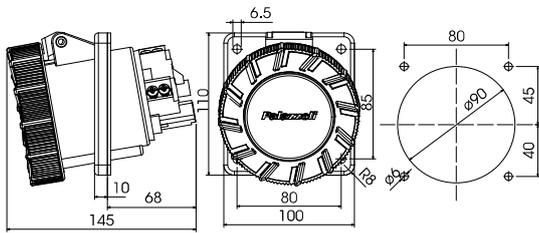
PLUGS AND SOCKETS

TOPTER

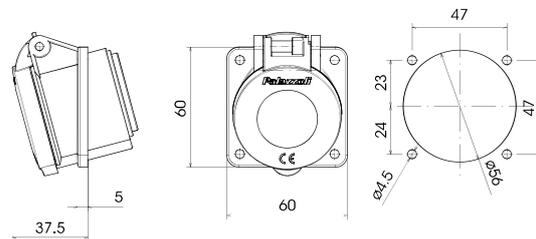
16A/32A sockets



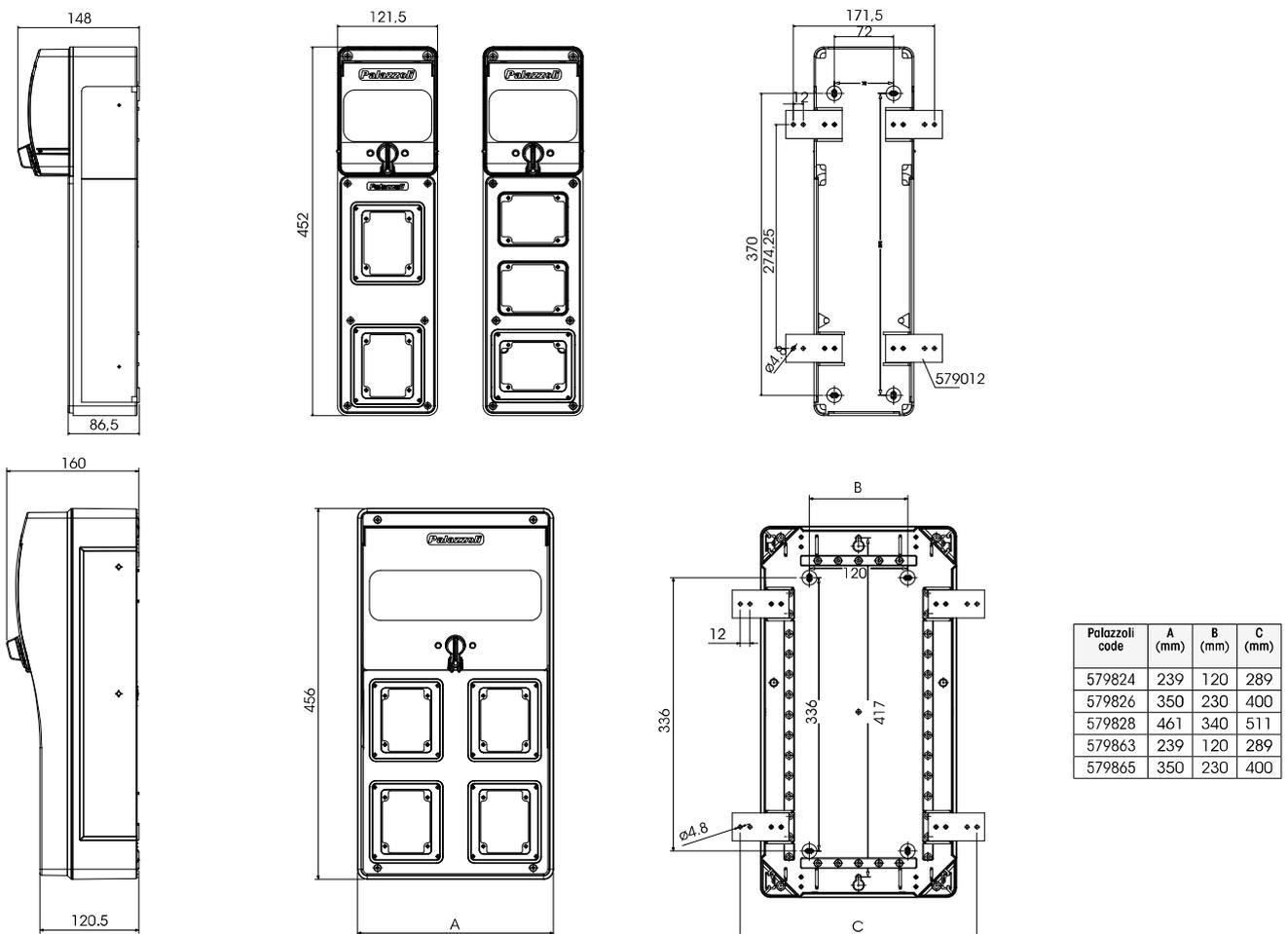
63A fixed socket-outlets



Compact panel-mounted sockets



Distribution boards

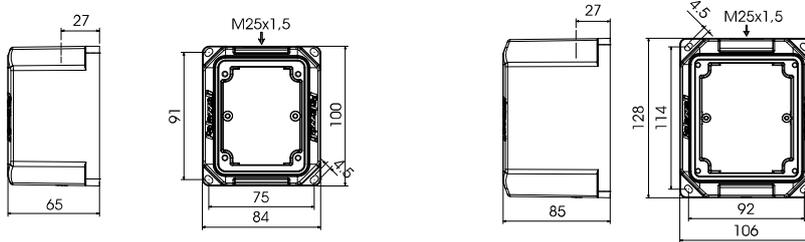




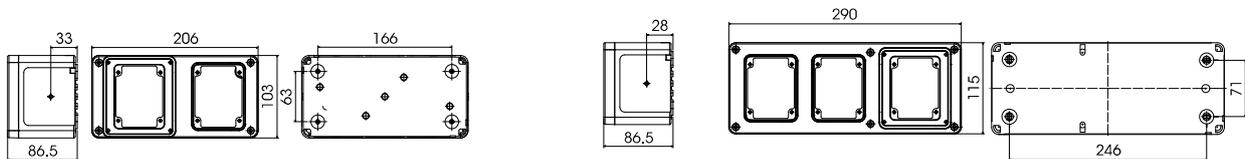
PLUGS AND SOCKETS

TOPTER

Individual back boxes code 579750 and code 579751

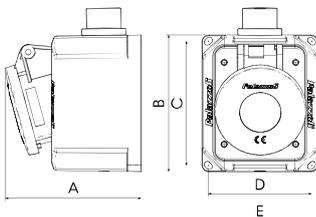


Multiple back boxes



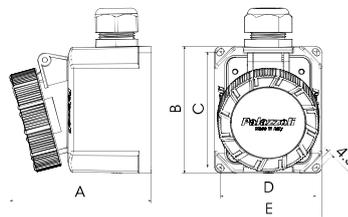
topTER for wall mounting

15° angled IP44 sockets



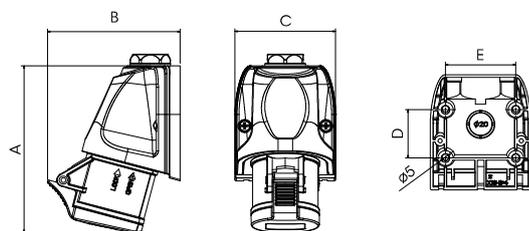
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
438124 - 438126	98	100	91	75	84
438136	99				
438146	118				
438224 - 438236	128	128	114	92	106
438246					

15° angled IP66/IP67 sockets



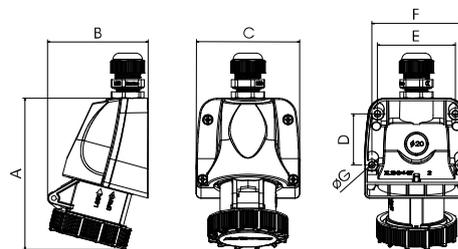
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
439124 - 439126	110	100	91	75	84
439136	111				
439146	132				
439233 - 439224 - 439236	139	128	114	92	106
439246					

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
	3P+≋	150	116	85	40	60
32	3P+≋	150	116	85	40	60
	3P+N+≋	150	118	85	40	60

90° angled IP67 sockets



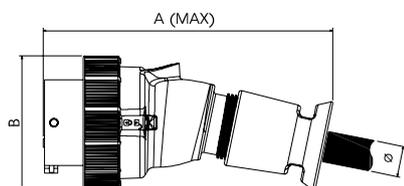
Rated current (A)	No. of poles	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
16	2P+≋	133	88	90	45	68	78	4.5
	3P+≋	135	90	90	45	68	78	4.5
	3P+N+≋	145	108	105	43	78	92	4.5
32	2P+≋	156	114	105	43	78	92	4.5
	3P+≋	156	114	105	43	78	92	4.5
	3P+≋ (3h)	164	113	94	46	80	80	4.5
	3P+N+≋	157	117	105	43	78	92	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

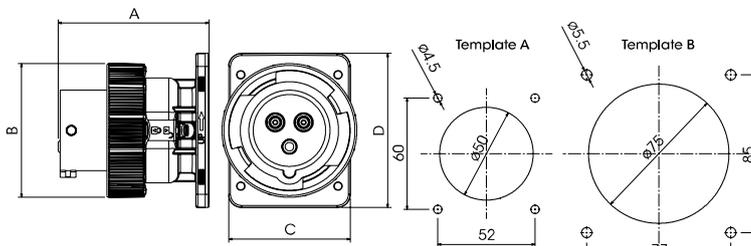
XCEE

Plugs

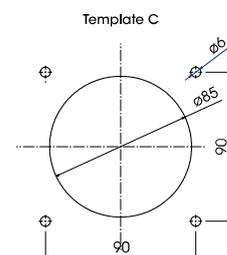


Rated current (A)	No. of poles	A (mm)	B (mm)	Ø (mm)
16	2P+⊕	167	72	6.3-18
	3P+⊕	173.5	80	
	3P+N+⊕	186.5	87	
32	2P+⊕	194	93	11-23
	3P+⊕	207	100	13-27
	3P+N+⊕			13-27
63	2P+⊕, 3P+⊕, 3P+N+⊕	252	112	14.5-37
125	2P+⊕, 3P+⊕, 3P+N+⊕	312	126	25-50

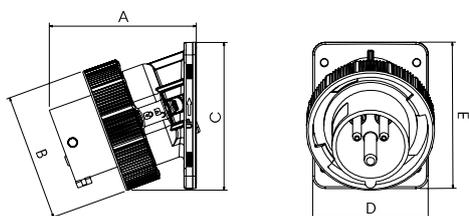
Straight panel-mounted inlets



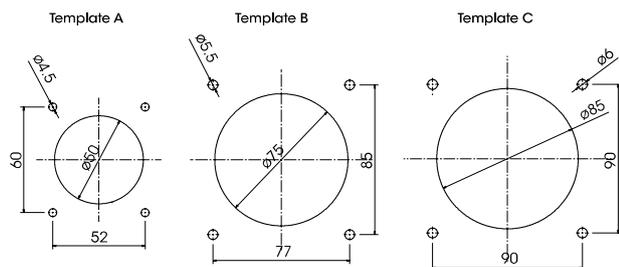
Rated current (A)	No. of poles	A (mm)	B (mm)	C (mm)	D (mm)	Template
16	2P+⊕	81	72	65	83	A
	3P+⊕	82	80			
	3P+N+⊕	84	87			
32	2P+⊕	91	93	100	108	B
	3P+⊕					
	3P+N+⊕	93.5	100			
63	2P+⊕, 3P+⊕, 3P+N+⊕	128.5	112	114	114	C
125	2P+⊕, 3P+⊕, 3P+N+⊕	134	126	114	114	C



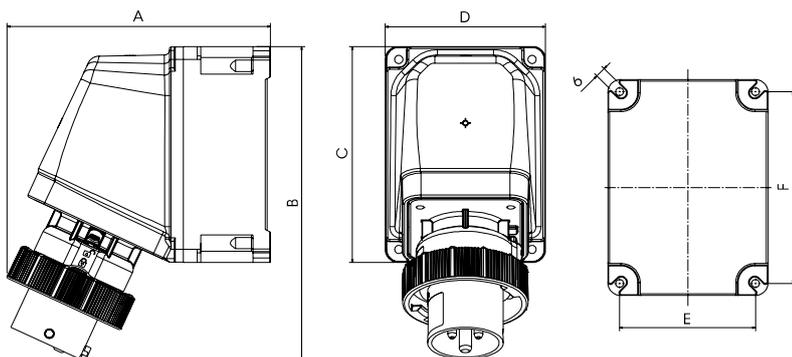
Angled panel-mounted inlets



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	114	114	C
125	2P+⊕, 3P+⊕, 3P+N+⊕	144	126	147	114	114	C



65° angled wall-mounted inlets



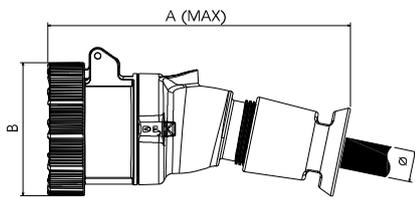
Rated current (A)	No. of poles	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
16	2P+⊕	152	183	125	92	78	111
	3P+⊕	156	185				
	3P+N+⊕	160	189				
32	2P+⊕	163	195	185	125	111	171
	3P+⊕						
	3P+N+⊕	207	239				
63	2P+⊕, 3P+⊕, 3P+N+⊕	219	272	185	125	111	171
125	2P+⊕, 3P+⊕, 3P+N+⊕	222	283	185	125	111	171



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	
32	2P+⊕	207	93	11-23
	3P+⊕	221	100	13-27
	3P+N+⊕			14.5-37
63	2P+⊕, 3P+⊕, 3P+N+⊕	272	109	14.5-37
125	2P+⊕, 3P+⊕, 3P+N+⊕	336	124	25-50

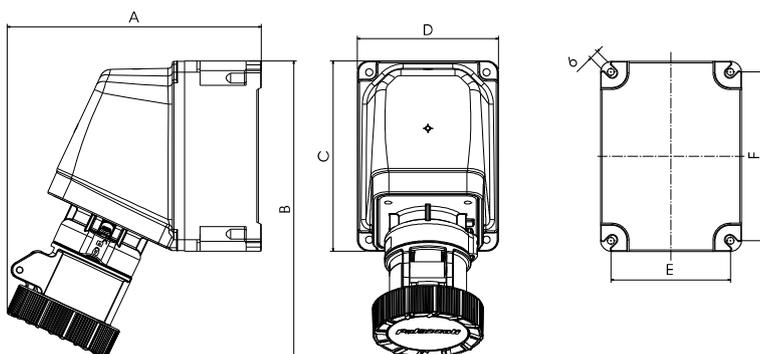
Straight panel-mounted sockets

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+⊕	108	100	114				
	3P+N+⊕							
63	2P+⊕, 3P+⊕, 3P+N+⊕	150	109	116.5	117	114	114	C
125	2P+⊕, 3P+⊕, 3P+N+⊕	157	124	127	132	114	114	C

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+⊕	118	100	130			
	3P+N+⊕						
63	2P+⊕, 3P+⊕, 3P+N+⊕	161	109	152	114	114	C
125	2P+⊕, 3P+⊕, 3P+N+⊕	172	124	168	114	114	C

65° angled wall-mounted socket-outlets



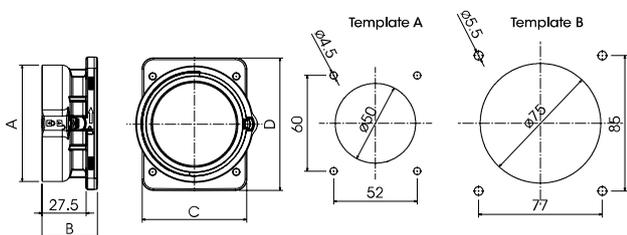
Rated current (A)	No. of poles	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
16	2P+⊕	166	196	125	92	78	111
	3P+⊕	170	198				
	3P+N+⊕	173	200				
32	2P+⊕	180	210	185	125	111	171
	3P+⊕	225	257				
	3P+N+⊕						
63	2P+⊕, 3P+⊕, 3P+N+⊕	246	297	185	125	111	171
125	2P+⊕, 3P+⊕, 3P+N+⊕	234	307	185	125	111	171



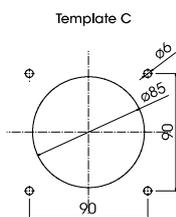
PLUGS AND SOCKETS

XCEE

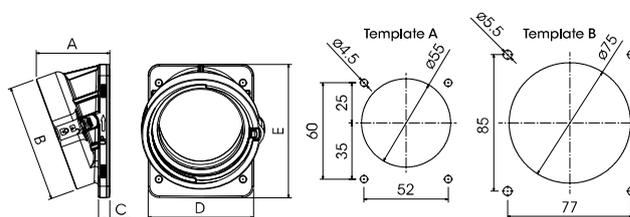
Panel-mounted straight flanges



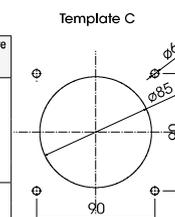
Rated current (A)	No. of poles	A (mm)	B (mm)	C (mm)	D (mm)	Template
16	2P+⊕	56.5	34.5	65	83	A
	3P+⊕	64				
32	3P+N+⊕	73	100	100	108	B
	2P+⊕					
	3P+⊕					
63	2P+⊕, 3P+⊕, 3P+N+⊕	93	48	108	114	C
125	2P+⊕, 3P+⊕, 3P+N+⊕	108	46	114	114	C



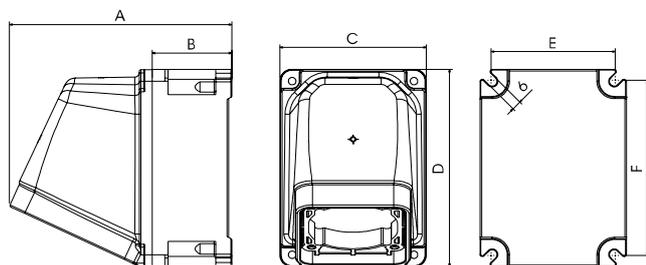
Panel-mounted angled flanges



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	3P+N+⊕	45	73	9	100	108	B
	2P+⊕						
	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

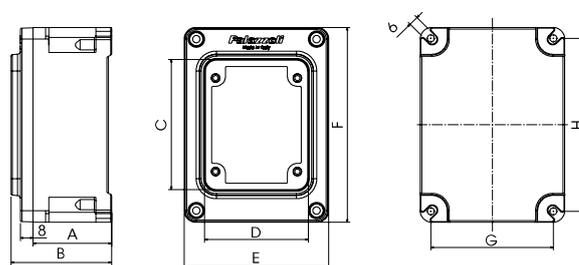


65° angled wall-mounted boxes



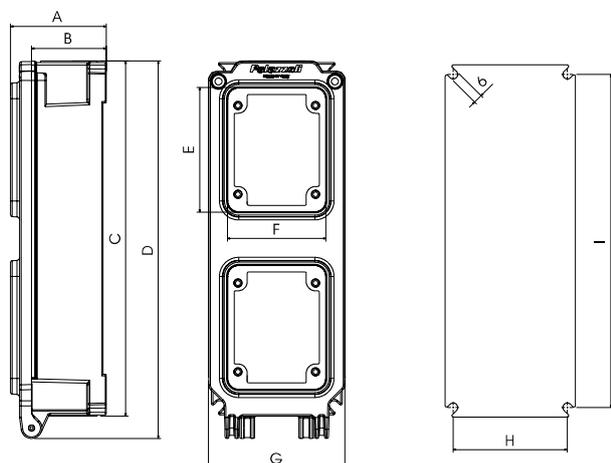
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
532131	140	50	92	125	78	111
532132	190	75	125	185	111	171
532133	208					

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



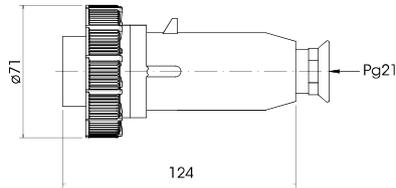
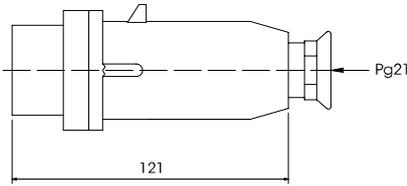
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)
532121	64	50	240	255	83	65	92	78	225
532122	91	75	335	352	108	100	125	109	319



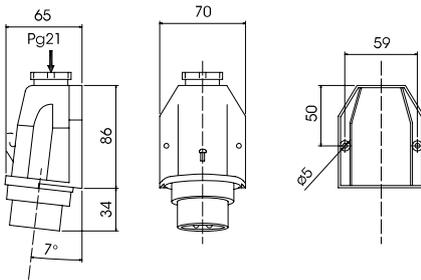
PLUGS AND SOCKETS

EXTRA low voltage CEE

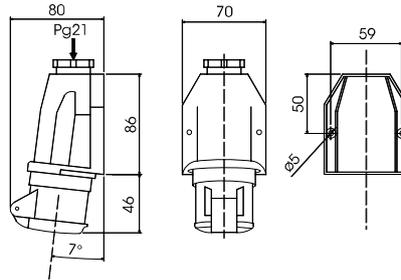
Straight mobile plugs IP67



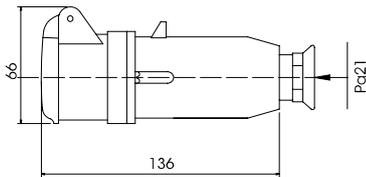
90° angled wall-mounted fixed plugs



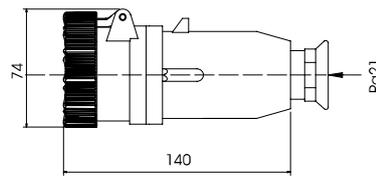
90° angled wall-mounted socket-outlets



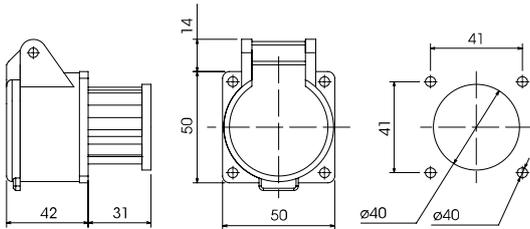
IP44 straight mobile socket-outlets



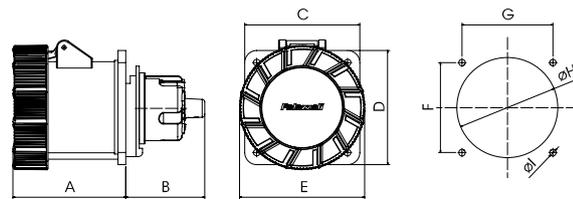
IP67 straight mobile socket-outlets



Flush-mounted IP44 sockets

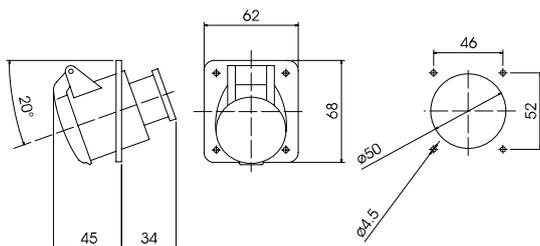


Flush-mounted IP67 sockets

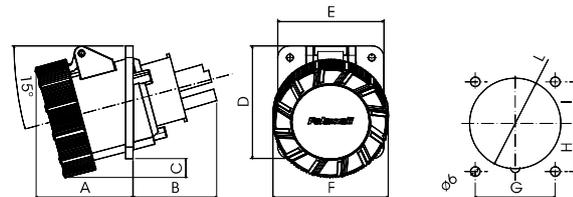


Rated current (A)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)
16	44	28	50	50	73	41	41	40	4.5
32	44	28	50	50	73	41	41	40	4.5
63	96	64	100	108	110	85	77	85	6.5
125	113	78	114	114	126	90	90	98	6.5

Flush-mounted angled IP44 sockets



Flush-mounted angled IP67 sockets



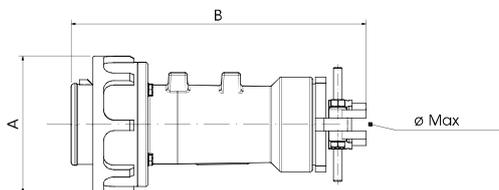
Rated current (A)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)
63	80	80	10	108	100	109	77	46	39	86
125	101	82	20	114	114	128	90	47	43	96



PLUGS AND SOCKETS

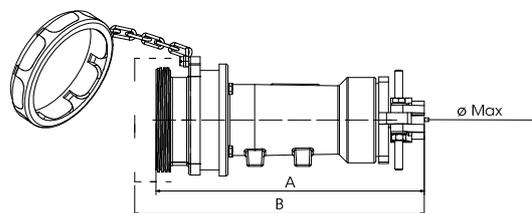
ALUMAX

Mobile plugs



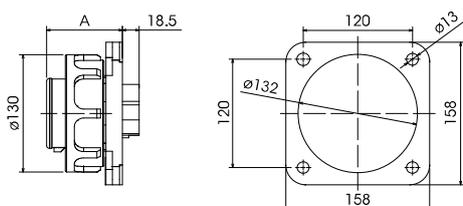
Rated current (A)	A (mm)	B (mm)	ØMax
250A	130	287.5	62
320/400A	155	378	80

Fixed socket-outlets



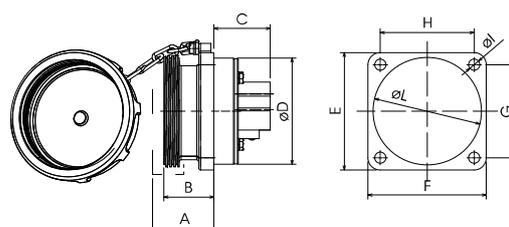
Rated current (A)	A (mm)	B (mm)	ØMax
250A	295	303	62
320/400A	375	391	82

Fixed plugs



Rated current (A)	A (mm)
250A	83
320/400A	109

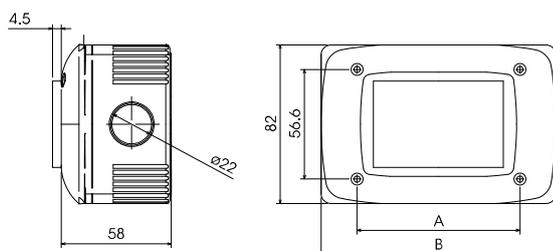
Fixed socket-outlets



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

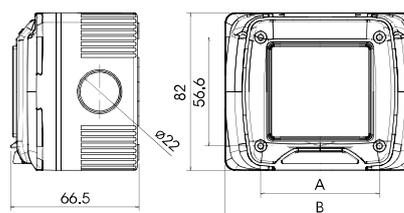
DOMOTER

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



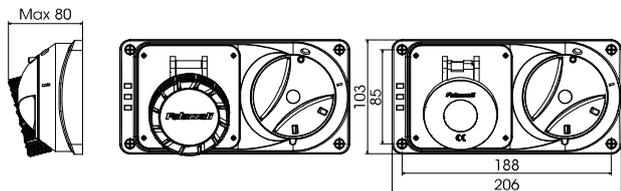
Palazzoli code	A (mm)	B (mm)
630011	39.4	76
630012	61.4	98
630013	83.4	120



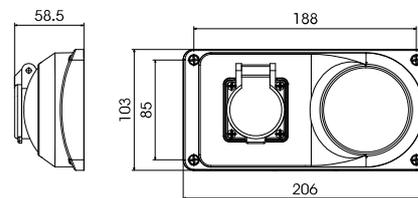
INTERLOCKED SOCKET-OUTLETS

PRIMA

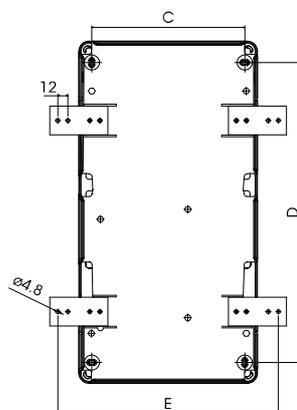
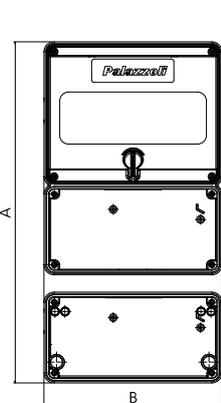
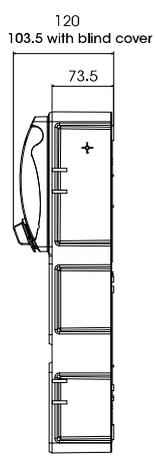
Socket-outlets with switch



Socket-outlets with transformer



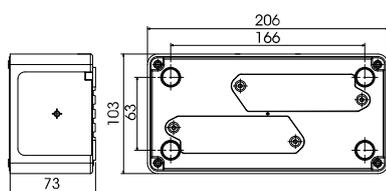
Distribution boards



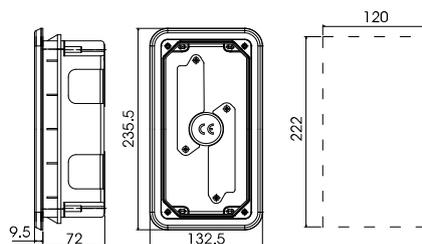
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
579602	280	424	393	230	474
579620	410	212	182	360	262
579621	410	212	182	360	262
579640	410	424	393	360	474
579641	410	424	393	360	474
579642	410	424	393	360	474

Bottom boxes - flanges - control unit

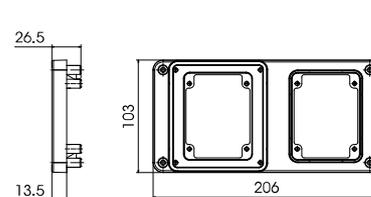
code 579500



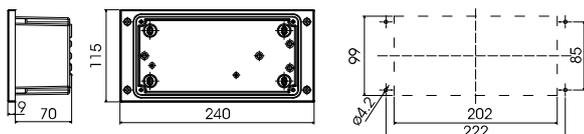
code 579510



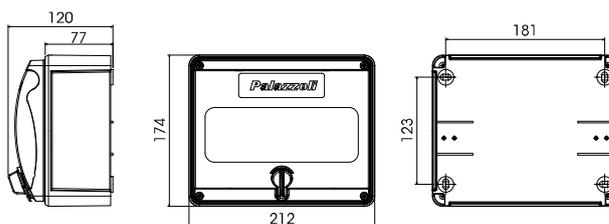
code 579718



code 575501



code 579612



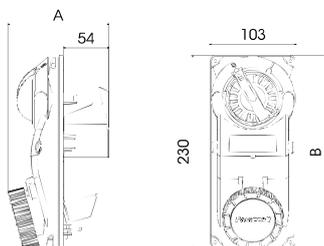


INTERLOCKED SOCKET-OUTLETS

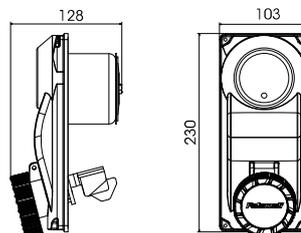
TOPTER

Socket-outlets with switch

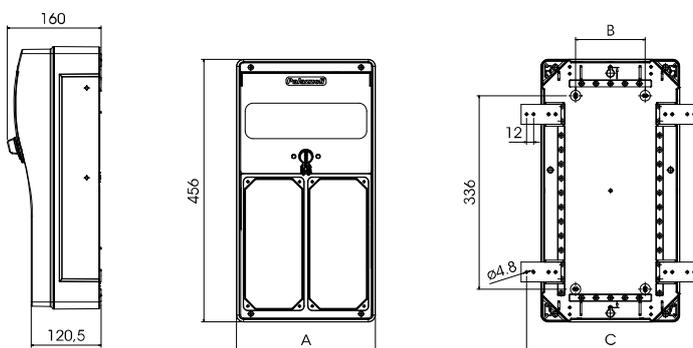
24V sockets with transformer



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

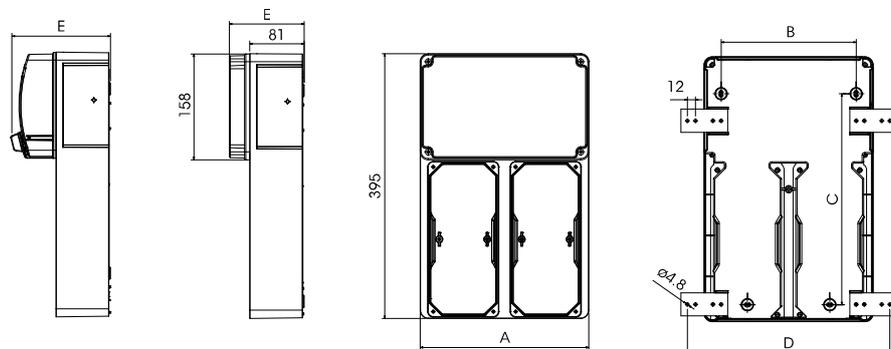


Boards with transparent door



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

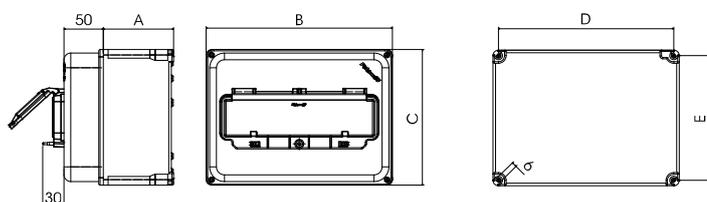
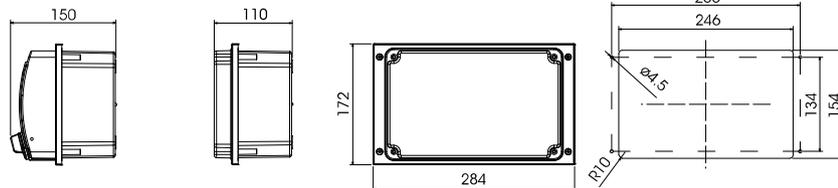


Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
579741	122	72	275	172	147
579721	122	72	275	172	111
579722	250	200	315	300	111
579723	380	330	315	430	111

Wall-mounted control unit

code 575506

code 575505



Palazzoli code	A (mm)	B (mm)	C (mm)
579708	122	110	80
579709	250	108	200

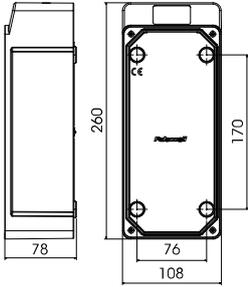


INTERLOCKED SOCKET-OUTLETS

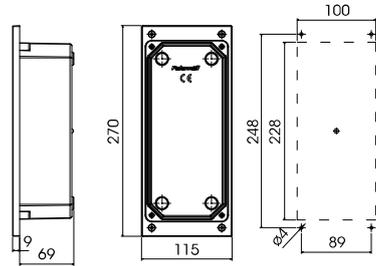
TOPTER

Boxes and flanges

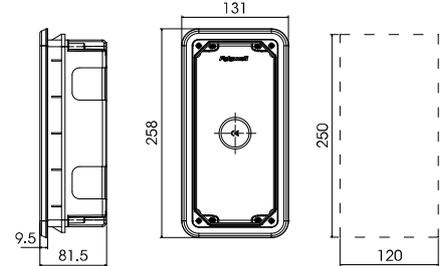
code 579710



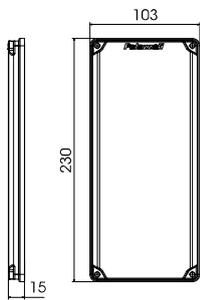
code 579711



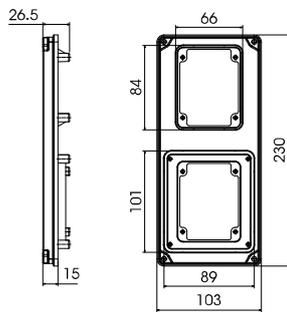
code 579712



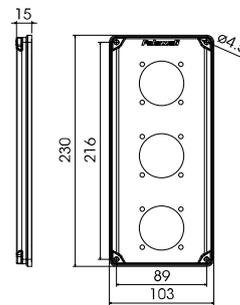
code 579713



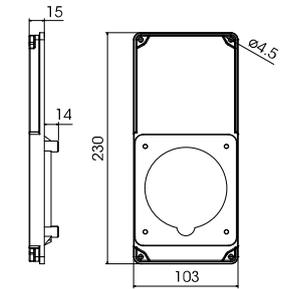
code 579714



code 579716

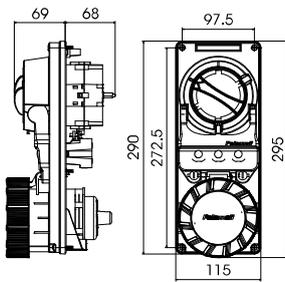


code 579717

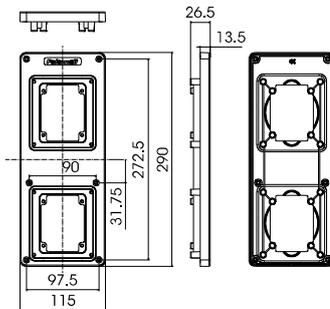


topTER 63A

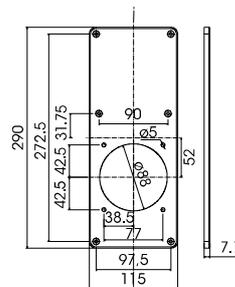
Socket-outlets



code 579719

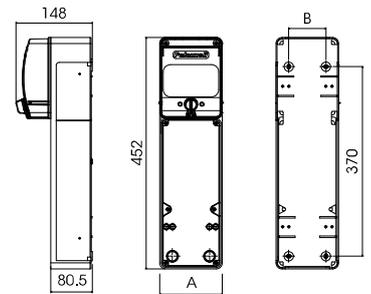


code 579910



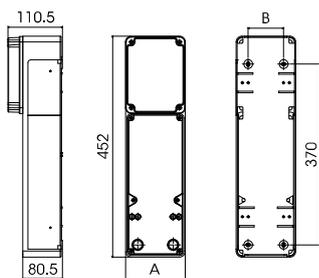
Boards and boxes

code 579631



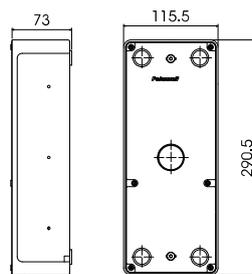
Palazzoli code	A (mm)	B (mm)
579631	121.5	72
579622	250	200
579623	378.5	328.5

code 579421

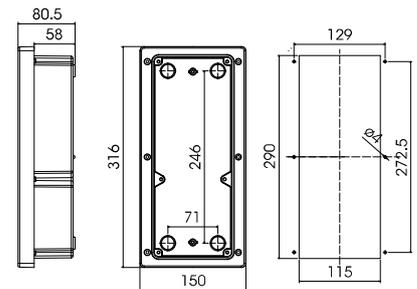


Palazzoli code	A (mm)	B (mm)
579421	121.5	72
579422	250	200
579423	378.5	328.5

code 579400



code 575502

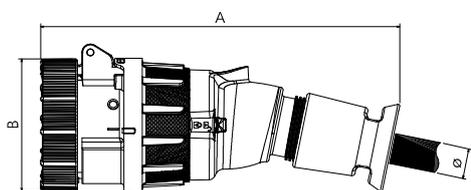




INTERLOCKED SOCKET-OUTLETS

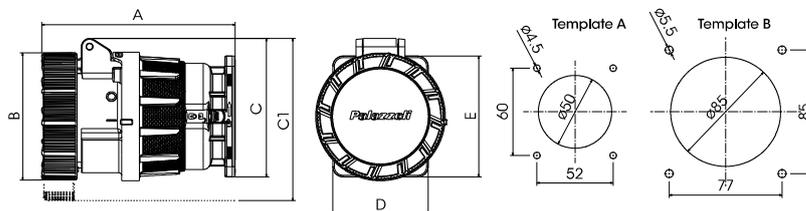
ROTOR

Straight mobile rotoswitches



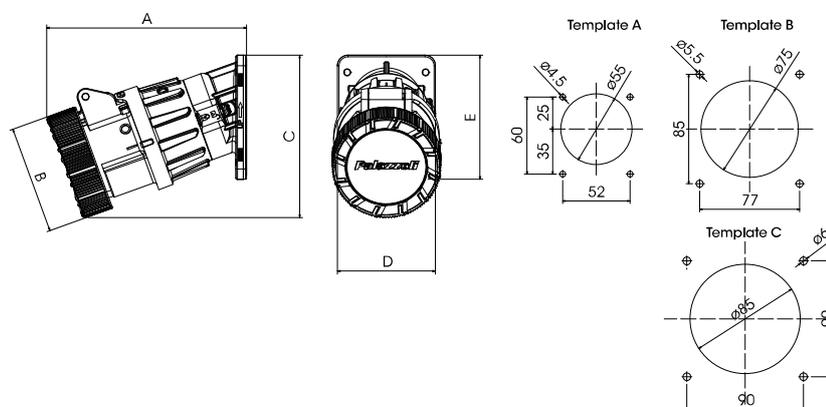
Rated current (A)	No. of poles	A (mm)	B (mm)	∅ (mm)
16	2P+⊕	214	72	6.3-18
	3P+⊕	222	80	
	3P+N+⊕	235	87	
32	2P+⊕	250	93	11 - 23
	3P+⊕			
	3P+N+⊕	264	100	
63	2P+⊕	345	109	14.5-37
	3P+⊕			
	3P+N+⊕			
125	2P+⊕	415	155	25-50
	3P+⊕			
	3P+N+⊕			

Straight panel-mounted rotoswitched sockets



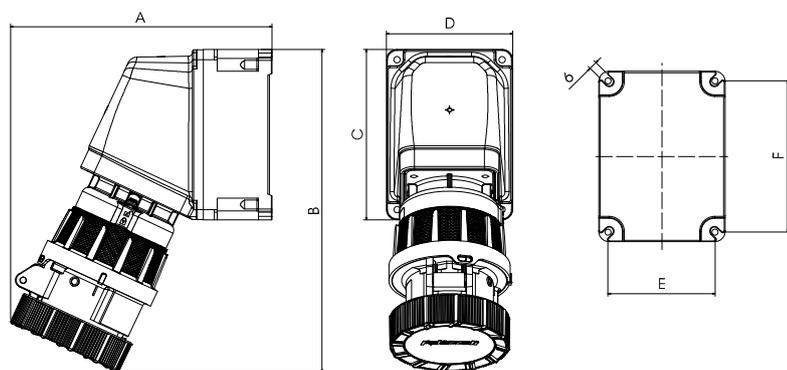
Rated current (A)	No. of poles	A (mm)	B (mm)	C (mm)	C1 (mm)	D (mm)	E (mm)	Template
16	2P+⊕	72	87	-	65	83	A	
	3P+⊕	129	80	91				
	3P+N+⊕	132	87	97				
32	2P+⊕	146	93	97.5	102.5	100	108	B
	3P+⊕							
	3P+N+⊕	150	100	114				
63	3P+⊕	218	108.6	132	-	100	108	B
	3P+N+⊕							

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



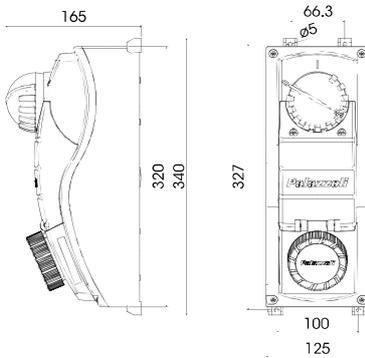
Rated current (A)	No. of poles	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
16	2P+⊕	182	230	125	92	78	111
	3P+⊕	186	233				
	3P+N+⊕	191	237				
32	2P+⊕	200	250	185	125	111	171
	3P+⊕						
	3P+N+⊕	243	295				
63	3P+⊕	275	358	250	385		
	3P+N+⊕						
125	3P+⊕						
	3P+N+⊕						



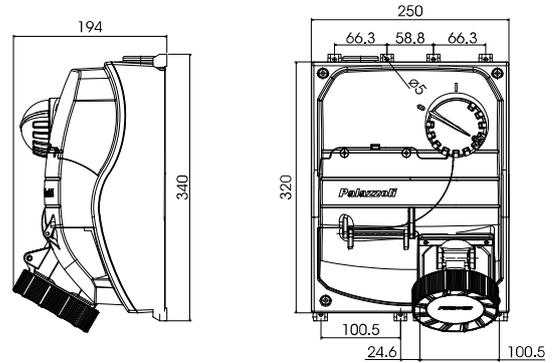
INTERLOCKED SOCKET-OUTLETS

ULYSSE

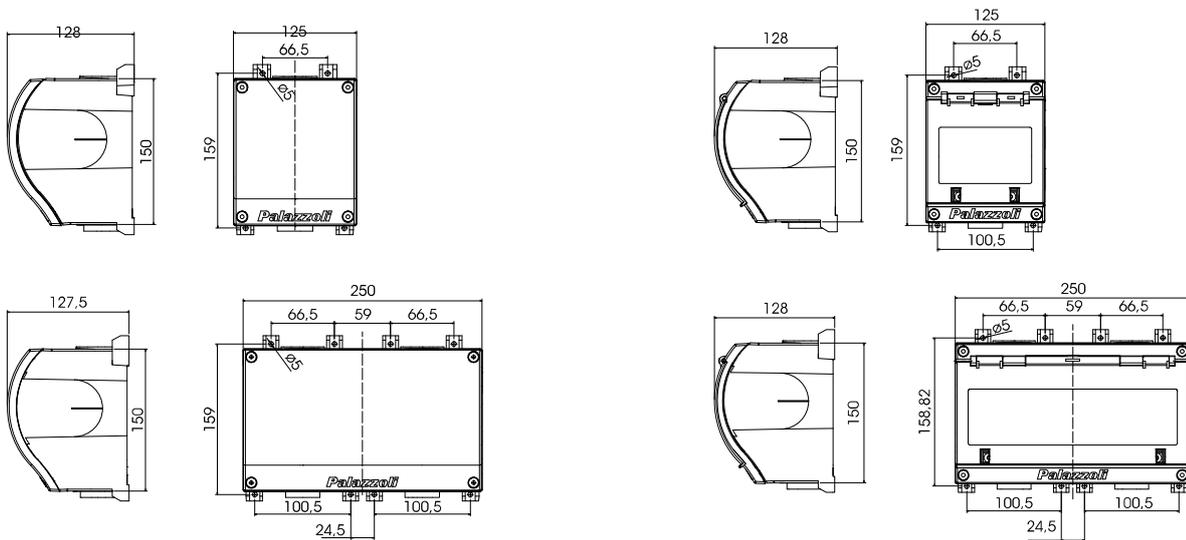
Sockets with 16A/32A switch



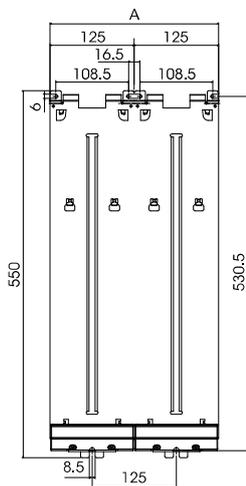
Socket-outlets with 63A switch



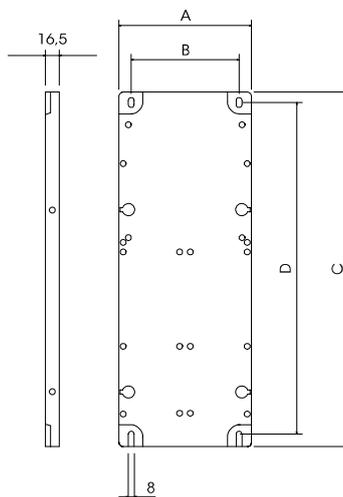
Boxes



Back plates in steel and thermosetting GRP



Palazzoli code	A (mm)
415901	125
415902	250
415903	375
415904	500



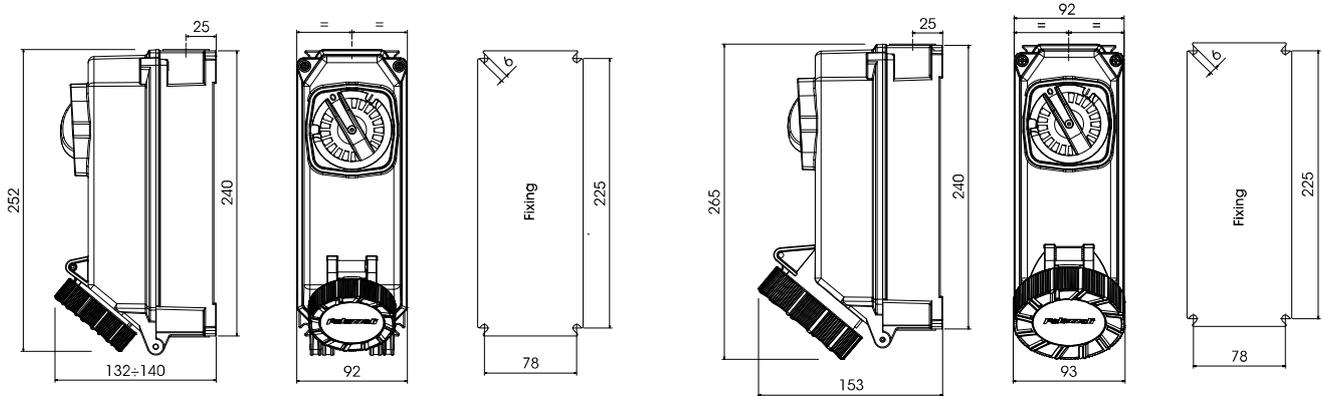
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)
415801	125	90	540	515
415802	250	215	540	515



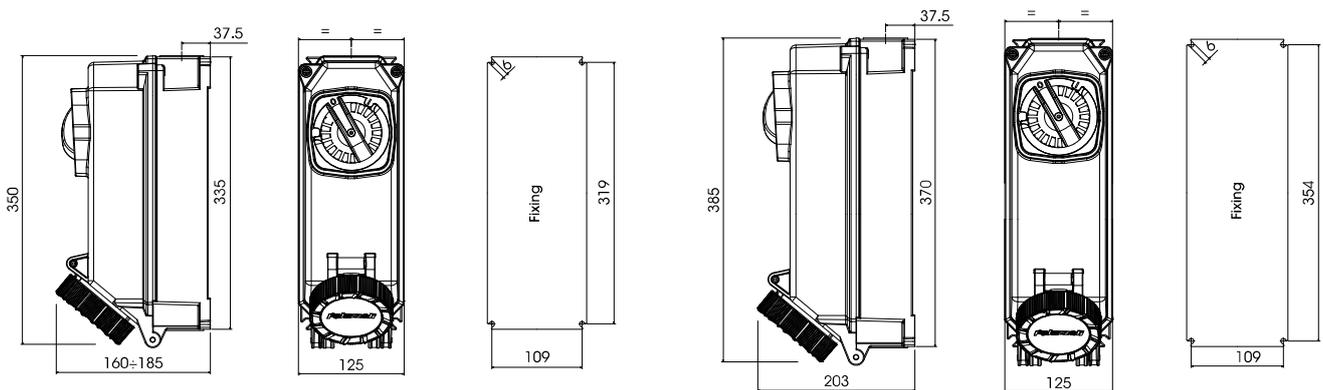
INTERLOCKED SOCKET-OUTLETS

TAIS

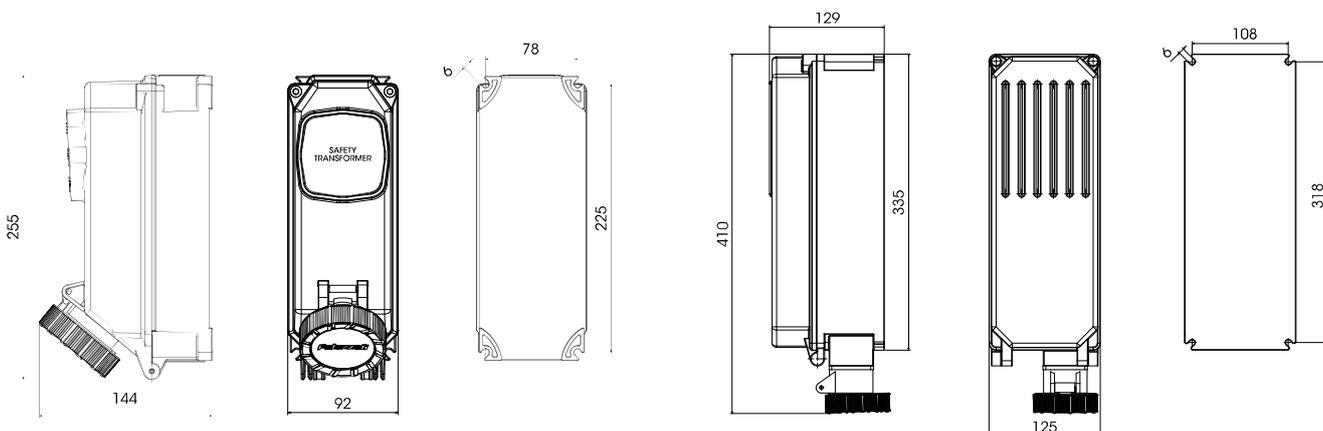
Interlocked socket-outlets - Module 95, 16A - 32A



Interlocked socket-outlets - Module 125, 16A/32A - 63A



24V sockets with transformer

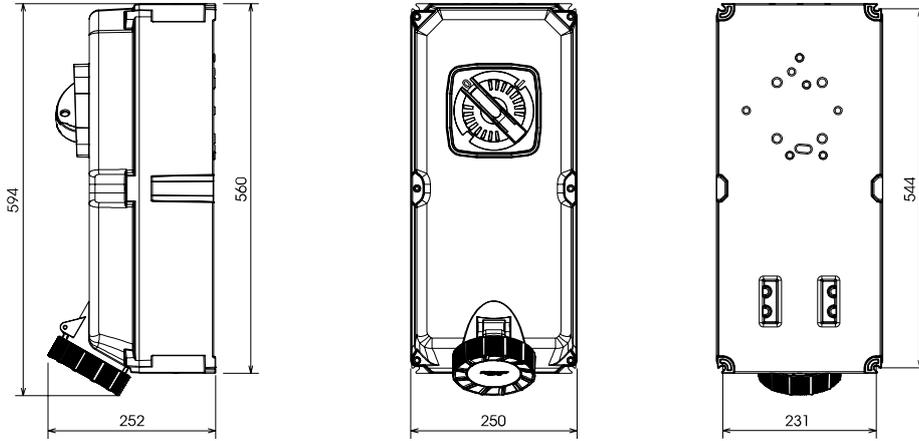




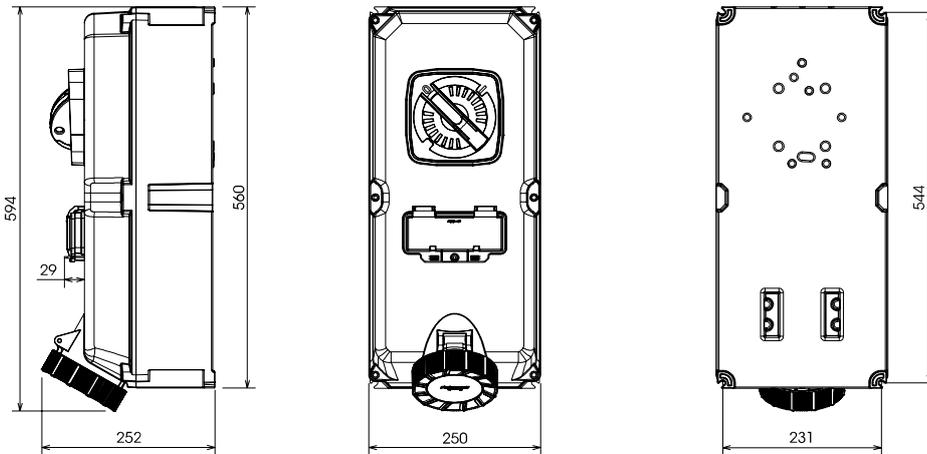
INTERLOCKED SOCKET-OUTLETS

TAIS

Interlocked socket-outlets - Module 250 - 125A



Interlocked socket-outlets with DIN rail - Module 250 - 125A

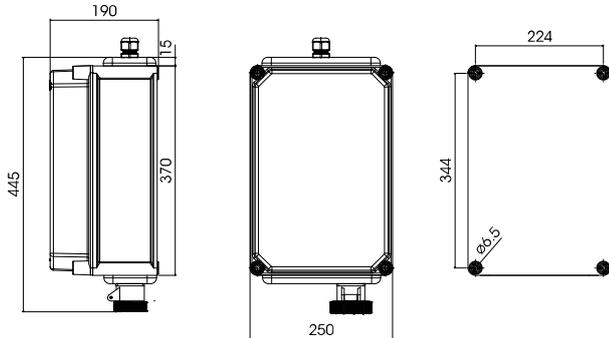




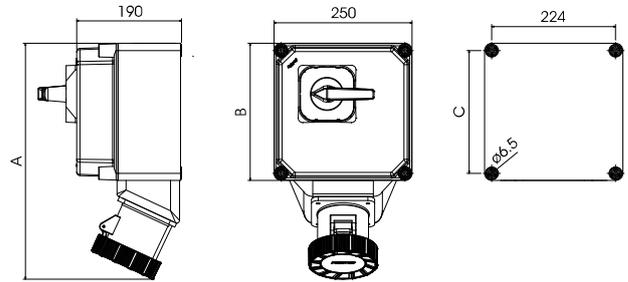
INTERLOCKED SOCKET-OUTLETS

TAIS

48V socket with transformer

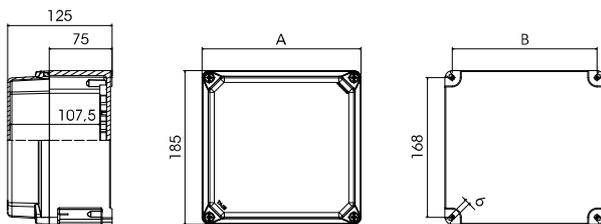


Socket-outlets with electrical interlock



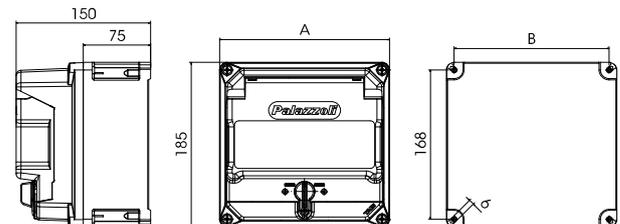
Palazzoli code	A (mm)	B (mm)	C (mm)
478336	402	250	224
478346	402	250	224
478436	425	250	224
478446	425	250	224
476336	520	370	344
476346	520	370	344
476436	544	370	344
476446	544	370	344

Blind boxes



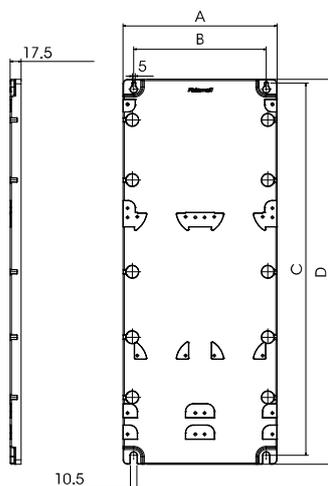
Palazzoli code	A (mm)	B (mm)
532200	125	108
532201	190	173
532202	250	233
532203	290	273
532204	380	363

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

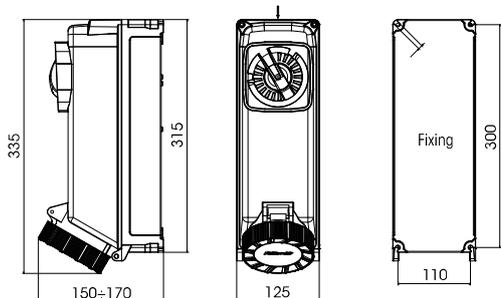


INTERLOCKED SOCKET-OUTLETS

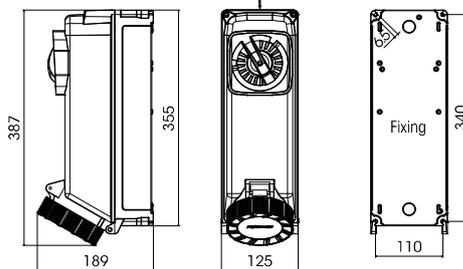
ALUPRES

Interlocked socket-outlets - Module 125

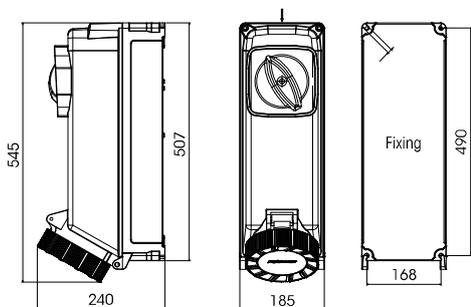
16A/32A



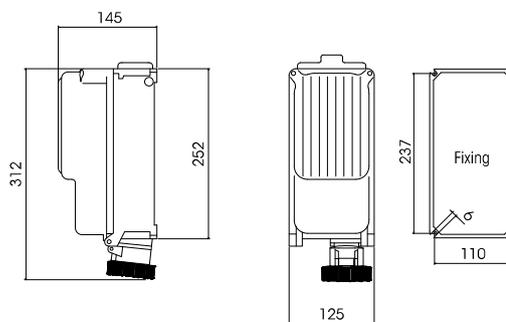
63A



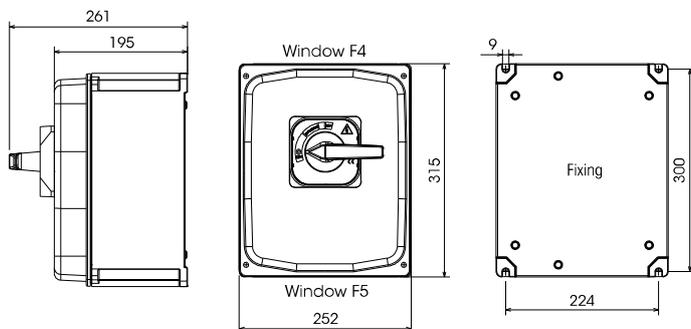
Interlocked socket-outlets - Module 185 - 125A



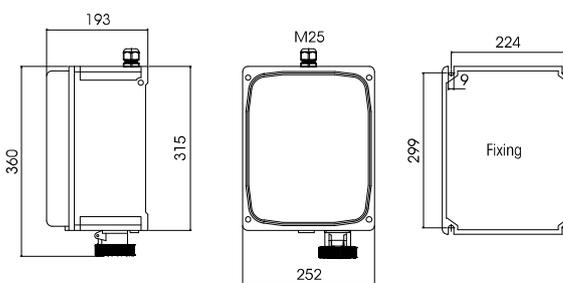
24V sockets with transformer



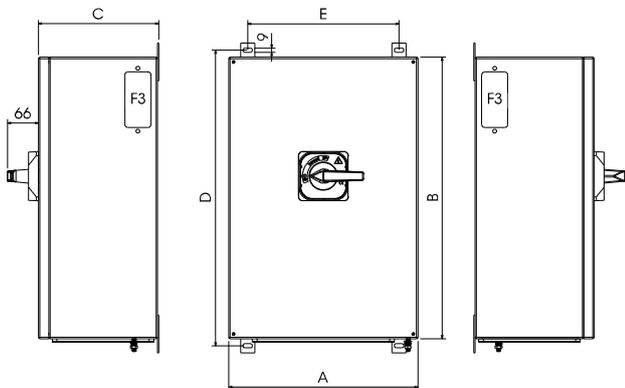
Switch of module 250 - 125A/160A/250A



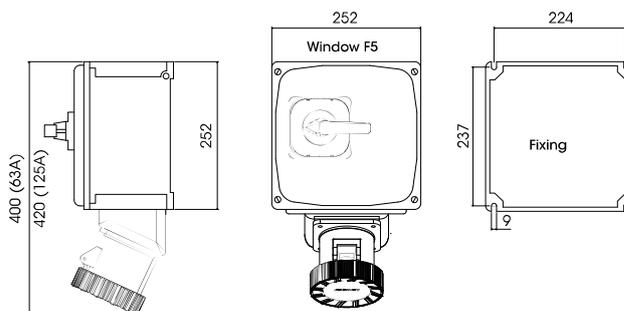
48V socket-outlets with transformer



400A/630A switch



Socket-outlets with electrical interlock



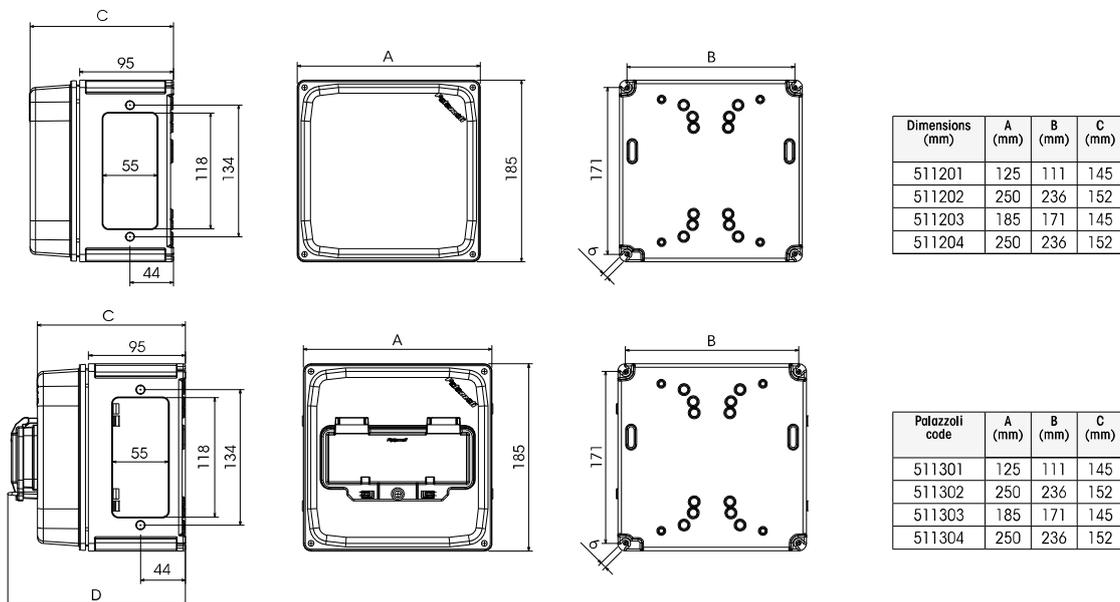
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
274440	400	600	252	630	320
274463	500	900	252	930	450



INTERLOCKED SOCKET-OUTLETS

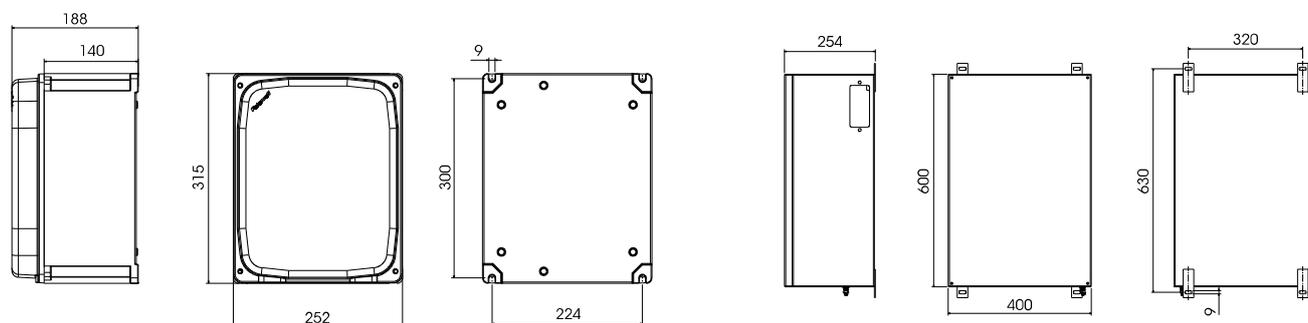
ALUPRES

Boxes in aluminium alloy

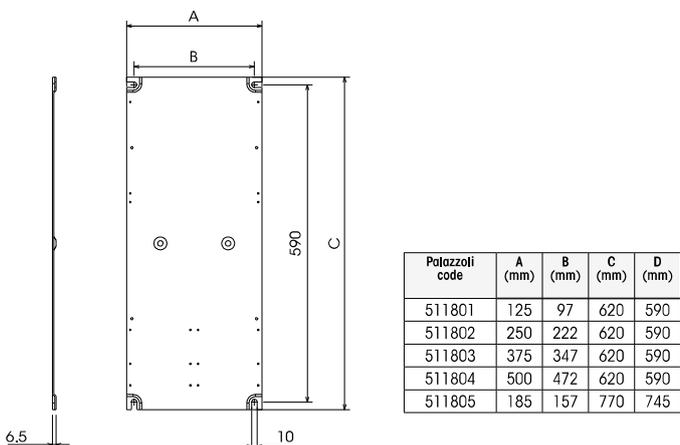


Boxes in aluminium alloy

Steel boxes



Mounting plate



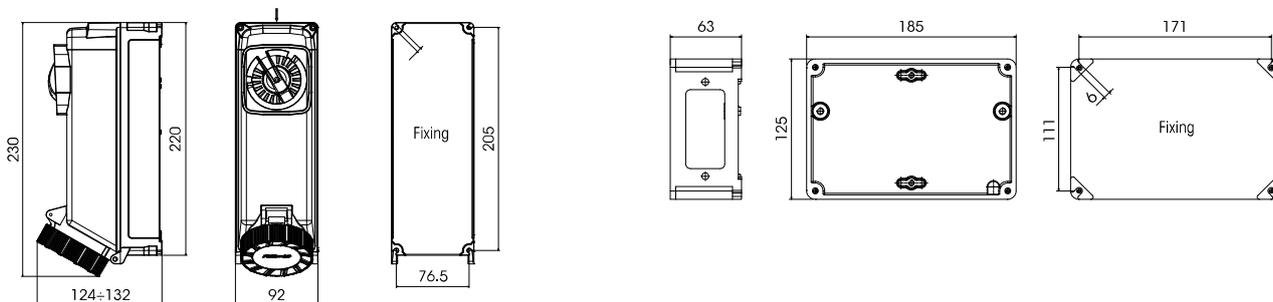


INTERLOCKED SOCKET-OUTLETS

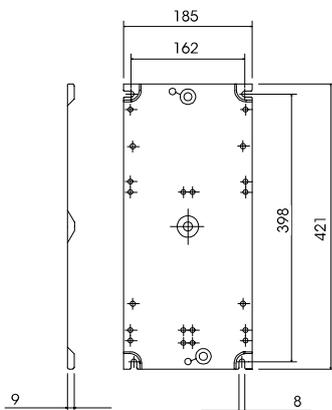
ALUPRES

Compact socket-outlets of module 92 - 16A

Compact aluminium alloy box



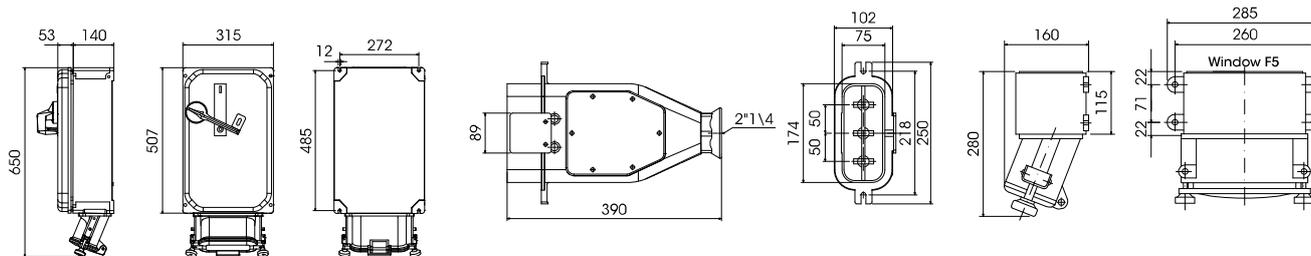
Mounting plate for compact socket-outlets



Interlocked socket-outlets 250A

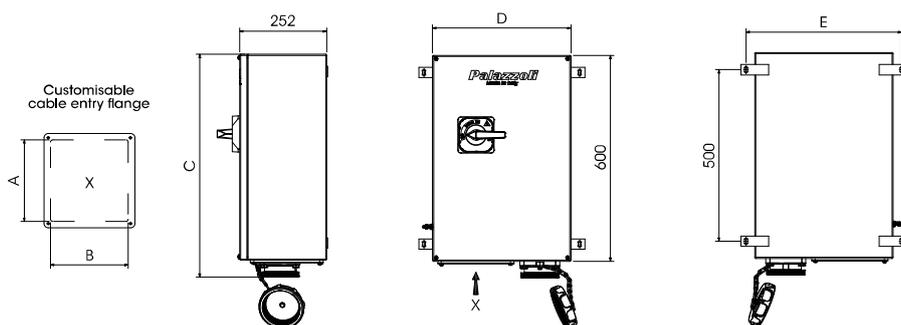
Mobile plugs

Fixed socket-outlets



ALUMAX

Wall sockets with electrical interlock



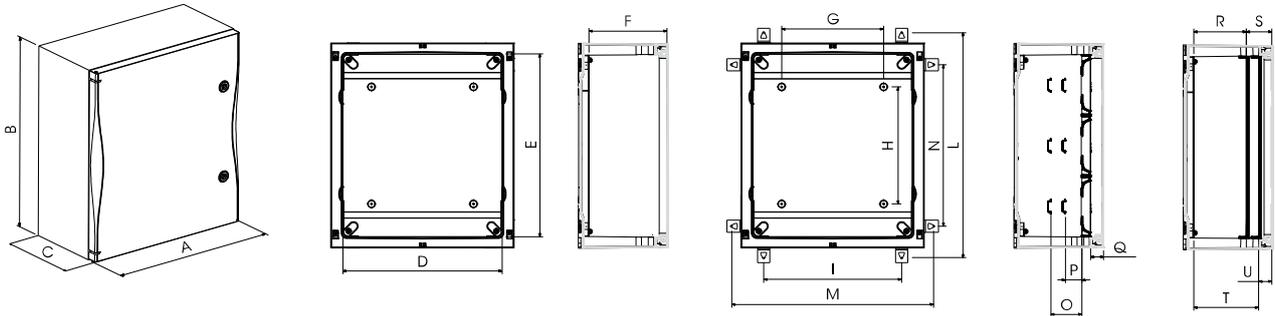
Rated current (A)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
250	180	190	650	400	450
320/400	180	270	660	500	550



BOARDS AND BOXES

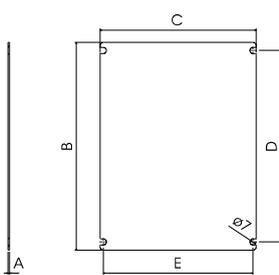
TAIS CUBE

Distribution boards in thermosetting GRP



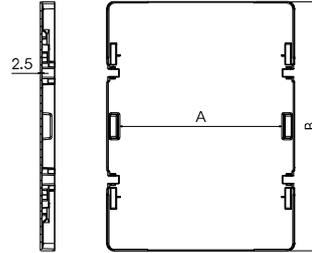
Size	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)	M (mm)	N (mm)	O (mm)	P (mm)	Q (mm)	R (mm)	S (mm)	T (mm)	U (mm)
1	258	304	160	200	250	131	60	87	148	355	305	198	-	-	-	-	-	-	-
2	340	430	180	282	376	151	142	214	230	481	386	324	78	50	34	93	58	120	31
3	449	506	220	390	451	191	250	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



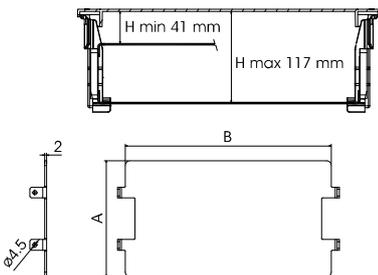
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
550601 - 550611	1.5	241	179.5	222	172
550602 - 550612	1.5	367	261.5	348	254
550603 - 550613	2	442	369.5	423	362
550604 - 550614	2	592	369.5	573	362
550605 - 550615	2	592	477.5	573	470
550606 - 550616	2	742	549.5	723	542
550607 - 550617	2	992	765.5	973	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



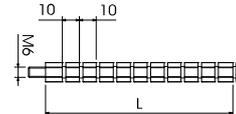
Palazzoli code	A (mm)	B (mm)
550502	240	374
550503	348	447
550504	348	596
550505	457	596
550506	529	746
550507	745	998

Partial plates



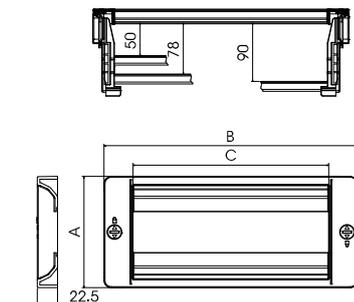
Palazzoli code	A (mm)	B (mm)
550632	120	211
550633	145	319
550635	145	427
550636	145	499
550637	195	715

Spacer



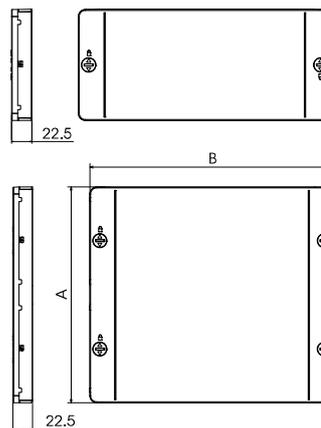
Palazzoli code	L (mm)	No. of positions
550662	70	7
550663	110	11
550665	150	15
550666	190	19
550667	240	24

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

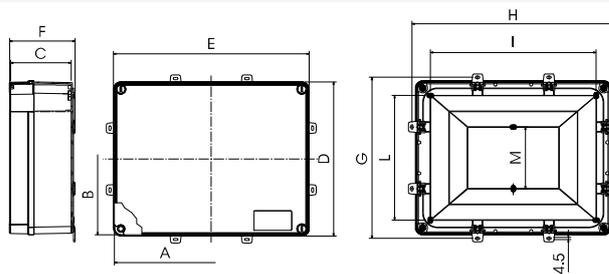
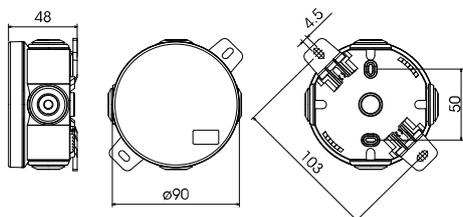


Palazzoli code	A (mm)	B (mm)
550542	124	280
550543	149	388
550545	149	496
550546	149	568
550547	199	784
550552	249	280
550553	299	387
550555	299	495
550556	299	567
550557	399	783



BOARDS AND BOXES

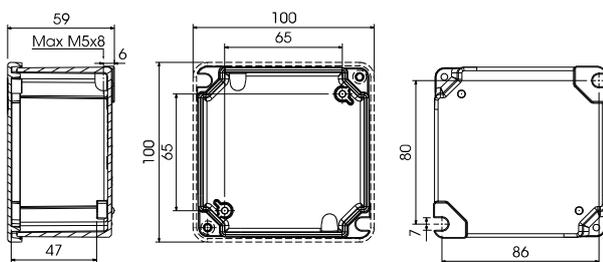
TERBOX



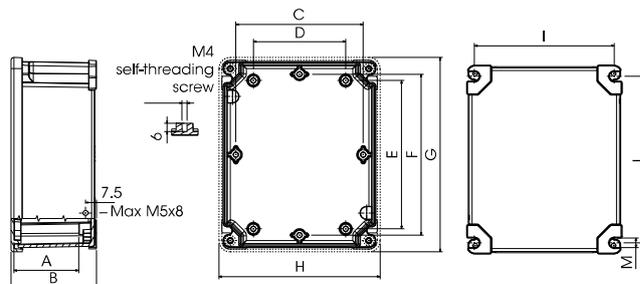
Box type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)	M (mm)
791234	98	98	49	108	108	59	123	123	60	60	-
791236	148	108	70	118	158	80	133	173	110	70	-
791207	188	138	70	148	198	80	163	213	150	100	-
791208	237	187	90	199	249	99.5	213	263	193	136	-
791209	297	217	121	230	309	130	243	323	250	170	-
791210	379	297	121	309	389	130.5	323	403	330	250	123

UNIBOX E UNIBOX-EXU

UNI B9 box

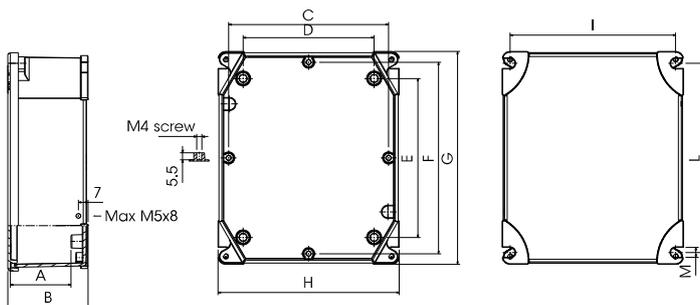


Boxes from UNI B11 to UNI B19



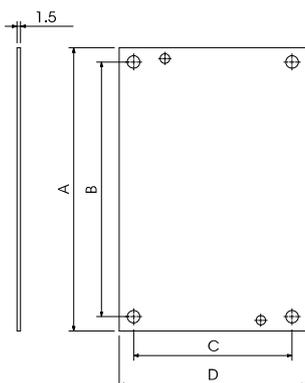
Box type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)	M (mm)
UNI B11	46	61	91	66	107	116	140	115	100	120	7
UNI B12	50	65	115	99	121	140	166	141	125	144	7.5
UNI B14	65	80	142	113	153	172	192	168	149	168	7.5
UNI B19	76	93	190	153	188	226	253	217	196	226	10

UNI B20 and UNI B21 boxes



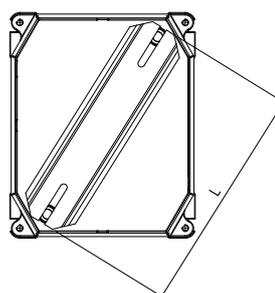
Box type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)	M (mm)
UNI B20	105.5	122	236	198	238	286	314	264	236	275	10
UNI B21	132.5	150	286	248	333	381	410	315	283	367	10

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



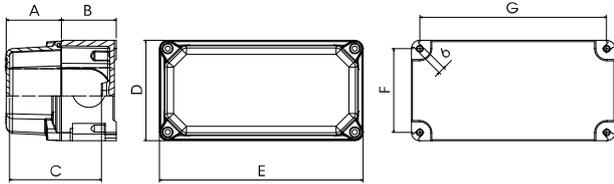
For box type	L (mm)
UNI B9	100
UNI B11	138
UNI B12	164
UNI B14	202
UNI B19	264
UNI B20	320
UNI B21	422



BOARDS AND BOXES

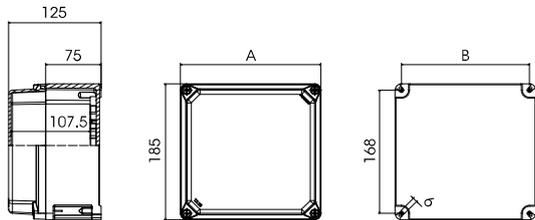
TAISBOX

Enclosures in thermosetting GRP



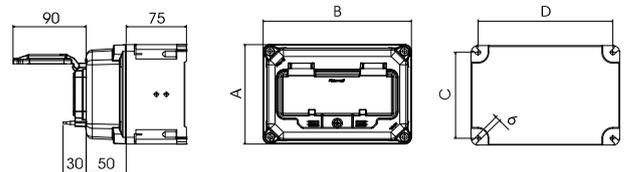
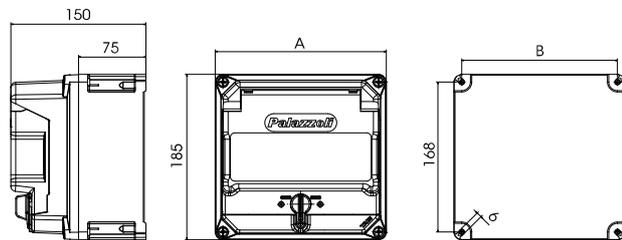
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
532035	18	50	51	92	92	78	78
532045	18	50	51	92	125	78	111
532055	18	50	51	92	185	78	171
532116	18	75	75	125	125	111	111
532117	18	75	75	125	185	111	171
532118	18	75	75	125	250	111	238
532005	50	50	83	92	92	78	78
532006	50	50	83	92	125	78	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

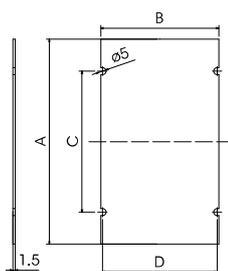
Enclosures with transparent door



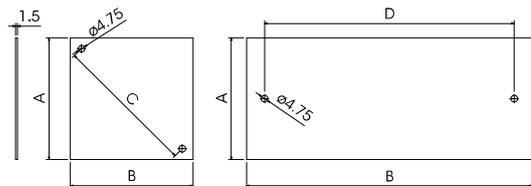
Palazzoli code	A (mm)	B (mm)
532300	125	108
532301	190	173
532302	250	233
532303	290	273
532304	380	363

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



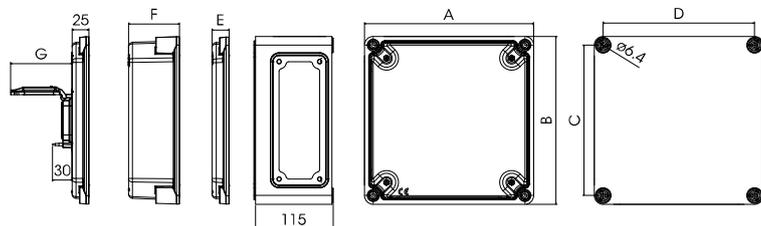
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)
532705	59	59	70	-
532714	59	92	96.5	-
532715	62	142	-	100
532716	86	86	100	-
532717	86	135	-	100
532718	86	200	-	175



BOARDS AND BOXES

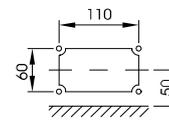
TAISBOX

Boxes in thermosetting GRP

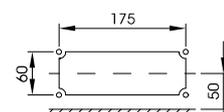


Dimensions (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
185x185	185	185	159	159	25	-	90
250x185	250	185	224	159	25	75	90
250x250	250	250	224	224	25	75	-
370x250	370	250	224	344	25	75	-
500x370	500	370	344	474	25	75	-

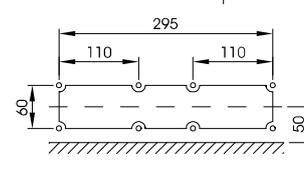
Window "a"



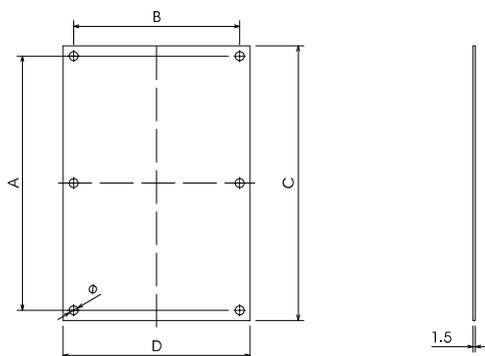
Window "b"



Window "c"



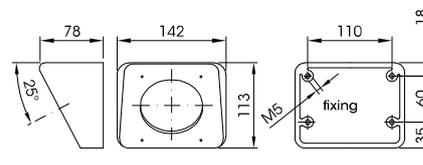
Steel back plates



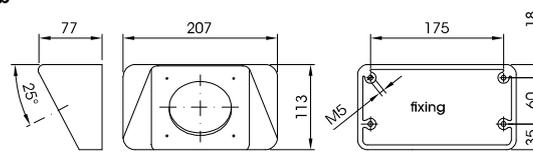
Dimensions (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Ø (mm)
185x185	120	120	135	135	6.5
250x185	185	120	200	135	6.5
250x250	185	185	200	200	6.5
370x250	305	185	321	200	6.5
*500x370	435	305	450	320	8

Mounting brackets for XCEE 63A - 125A socket-outlets

Window "a"



Window "b"

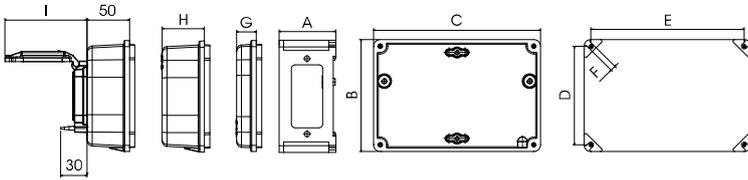




BOARDS AND BOXES

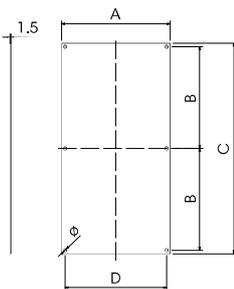
ALUCASE

Boxes in aluminium alloy



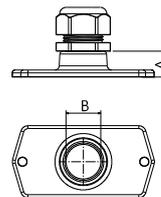
Dimensions (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)
92x92	42	92	92	78	78	6	23	35	-
125x92	42	92	125	78	111	6	-	50	-
185x92	42	92	185	78	171	6	-	50	-
125x125	63	125	125	111	111	6	10	50	90
185x125	63	125	185	111	171	6	25	50	90
252x125	63	125	252	111	238	6	-	50	90
155x155	63	155	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



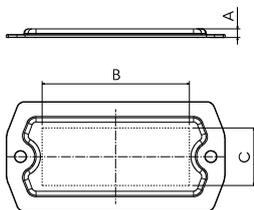
Dimensions (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Ø (mm)
92x185	77	65	142	65	5
125x125	100	39	90	88	5.5
125x185	100	61.5	135	88	5.5
125x252	100	94	200	88	5.5
155x155	118	55	122	40	5.5
185x185	135	74	160	123	5.5
185x252	160	94	200	148	5.5
220x220	152	88	190	62	5.5
252x252	210	85.5	185	196	6.5
252x315	210	110.5	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



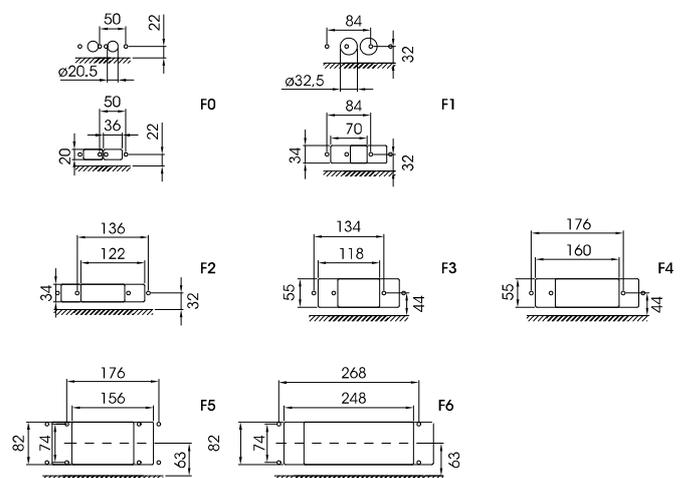
Palazzoli code	A (mm)	B (mm)
541050	22	M25
541055	18	M25
540180	51	M32
540190	69.5	M40
540191	69.5	M50
540193	51	M40
540195	80	M50

Flat flanges

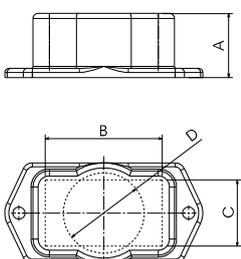


Palazzoli code	A (mm)	B (mm)	C (mm)
540090	2.5	30	14
540091	5.5	59	25
540032	5.5	95	25
540033	6	106	49
540034	6	148	49
540035	7	142	80
540036	8	238	84

Windows and holes



Raised flanges

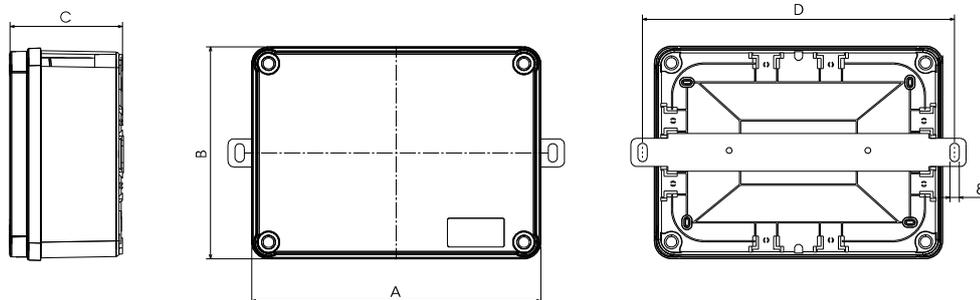


Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)
540061	32	60	30	35
540062	32	112	30	35
540063	50	100	50	60
540064	50	140	50	60
540065	80	140	90	90
540066	80	230	85	85

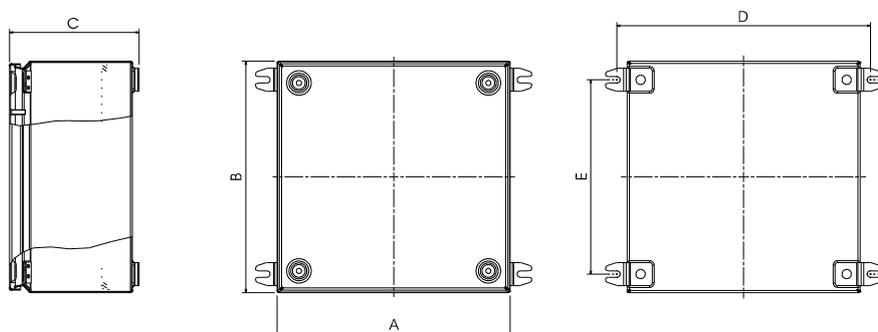


BOARDS AND BOXES

FIREBOX

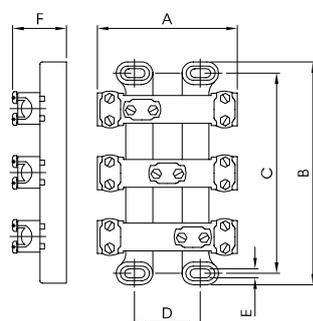


Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)
151700	160	120	80	170
151702	200	150	80	220
151703	250	185	100	270

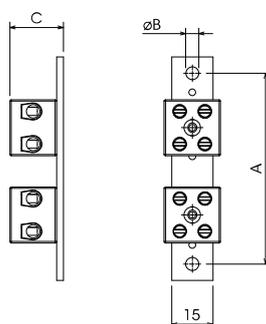


Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
151301	150	150	100	172	110
151304	250	250	140	272	210

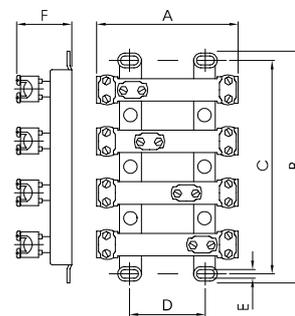
CONTACT



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



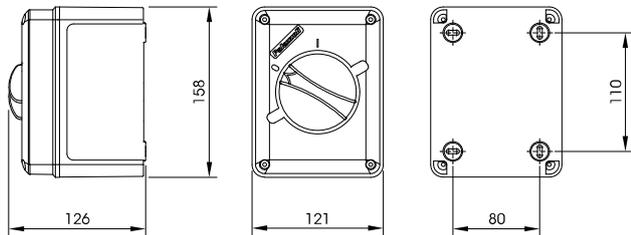
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
159040	70	101	88	32	5.5	27
159042	92	128	110	40	6.5	32
159043	102	150	134	55	7.5	43
159044	119	196	176	62	7.5	50
159045	154	240	222	76	7	64
159046	222	294	274	88	7	80



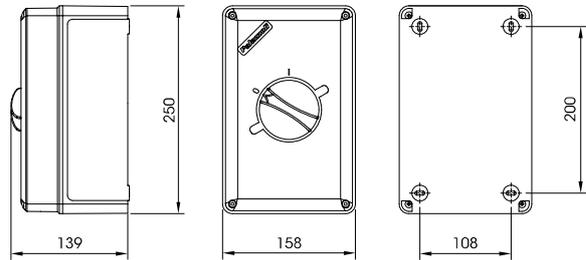
CONTROL AND PROTECTION

CAM-SZ in thermoplastic material for wall-mounting

16A to 32A



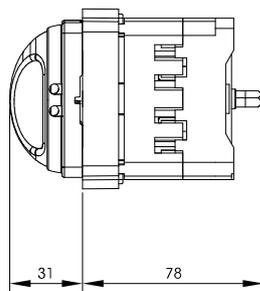
40A to 100A



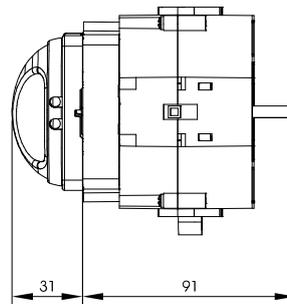
CAM-SZ

Isolator switches for back panel mounting

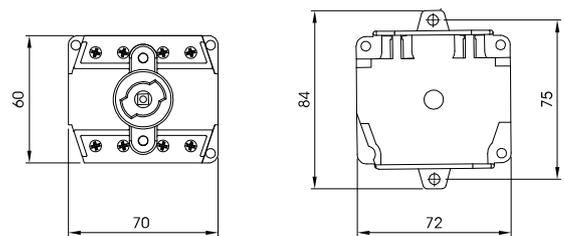
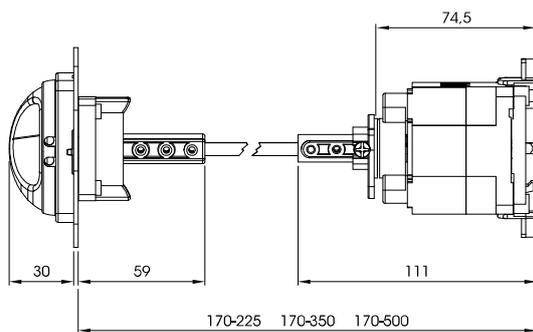
16A/32A



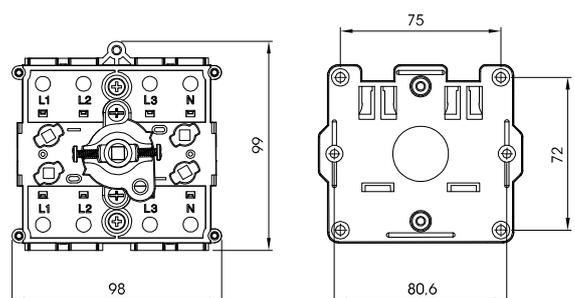
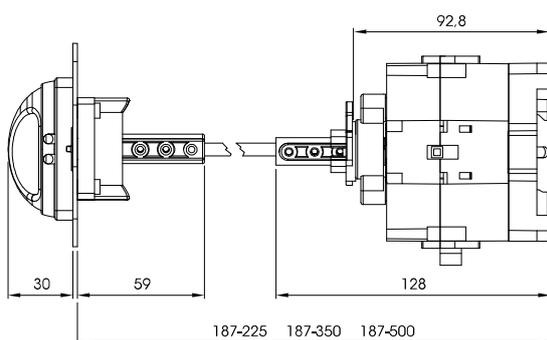
40A/100A



16A/32A isolator switches with door lock for base-mounting



40A/100A isolator switches with door lock for base-mounting

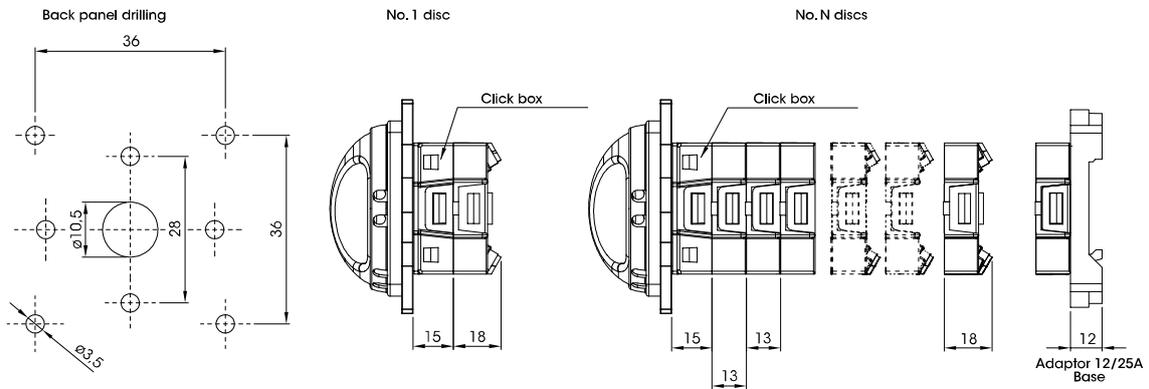




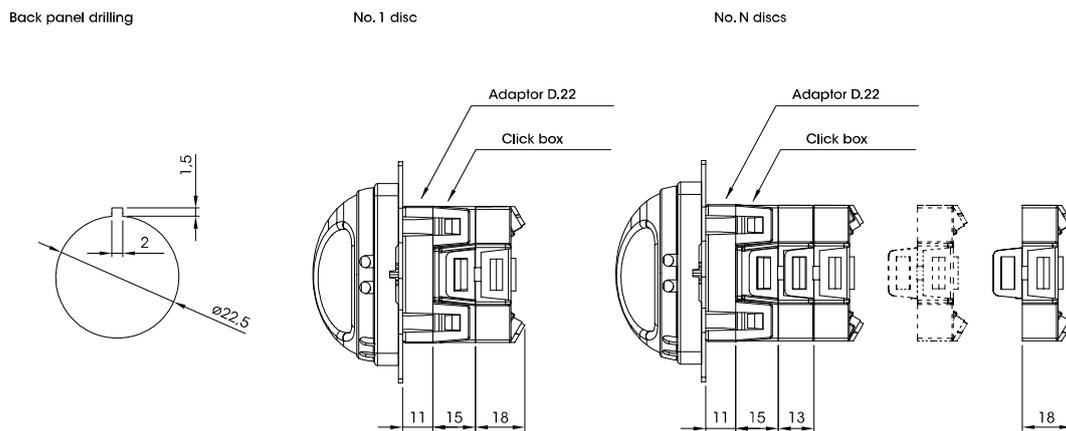
CONTROL AND PROTECTION

CAM-ST

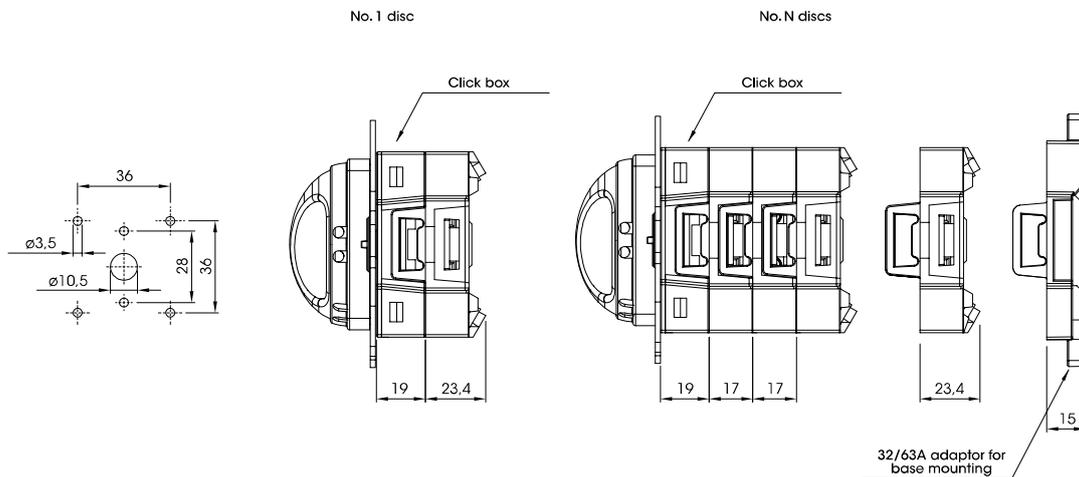
12/25A rotary devices for back panel mounting



12/25A rotary devices for back panel mounting - 22 mm hole



32/63A rotary devices for back panel mounting and base mounting

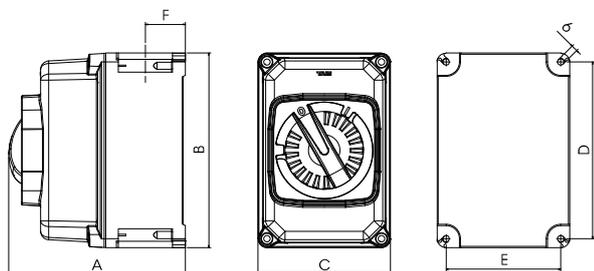




CONTROL AND PROTECTION

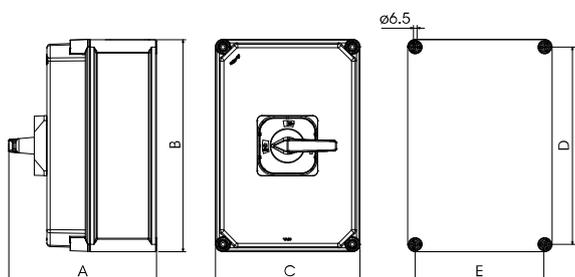
CAM-TAIS in thermosetting GRP for wall-mounting

16A - 63A



Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
292101 - 292102 - 292103	130	125	92	110	78	25
292202 - 292203 - 292232 - 292233						
292302 - 292303 - 292412 - 292413	167	185	125	169	109	37.5

100A - 630A

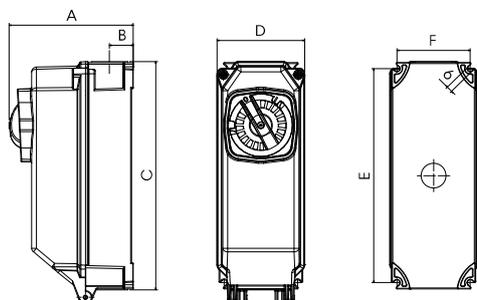


Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
292512 - 292503 - 292542 - 292543	206	250	185	224	169
292552 - 292553 - 292621	256	370	250	344	224
292623 - 292632 - 292633					
292703 - 292733	256	500	370	474	344

CAM-TAIS in thermosetting GRP for wall-mounting

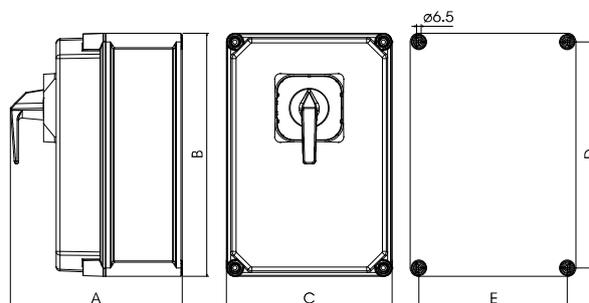
Isolator switches with fuse holder base

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



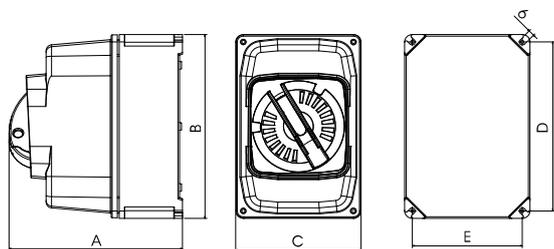
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
293053 - 293123	206	370	250	344	224
293163	256	370	250	344	224
293063 - 293263	256	500	370	474	344



CONTROL AND PROTECTION

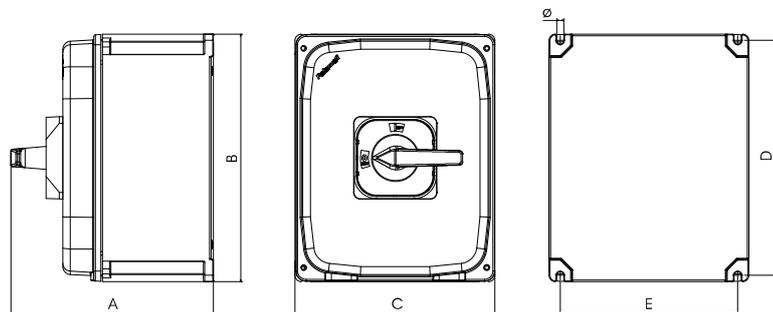
CAM-ALUPRES in aluminium alloy for wall-mounting

16A - 63A



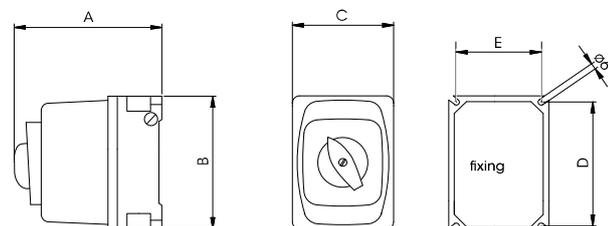
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
272141 - 272142 - 272143 272242 - 272243 - 272232 - 272233	138	125	92	110	77
272144 - 272244	123	125	92	110	77
272302 - 272303 - 282402 282403 - 282404	173	185	125	170	110
272304	160	185	125	170	110

100A - 200A - 630A



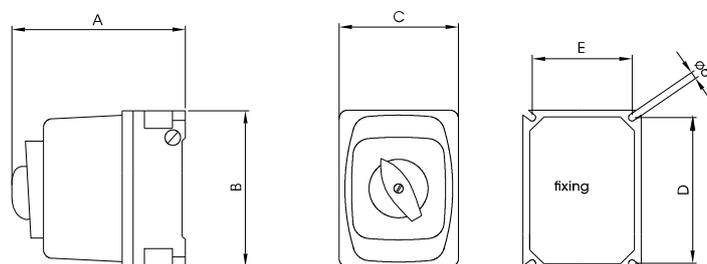
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Ø (mm)
272502 - 272503	215	252	185	237	170	7
272542 - 272543 272552 - 272553	256	315	252	300	224	9
282602 - 282603 272632 - 272633	256	507	252	491	224	9
282703	256	507	373	485	330	12
282803	256	630	373	608	330	12

Two-way switch, reversing switches



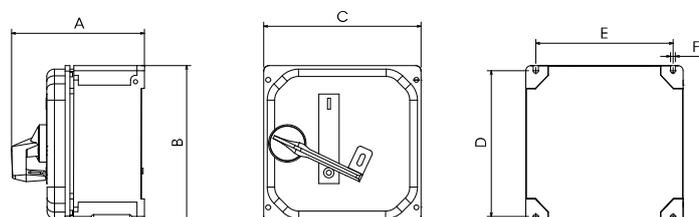
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
272148 - 272178	87	92	92	77	77
272152 - 272252 272155 - 272255	135	125	92	110	77
272312 - 282412	150	185	125	170	110

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



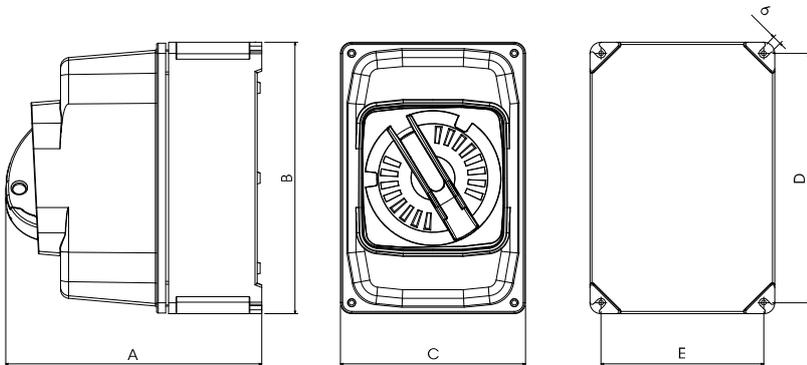
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
282407 - 282413	195	252	185	237	170	7
272507	270	315	315	299	286	9
282607	270	373	373	351	330	12



CONTROL AND PROTECTION

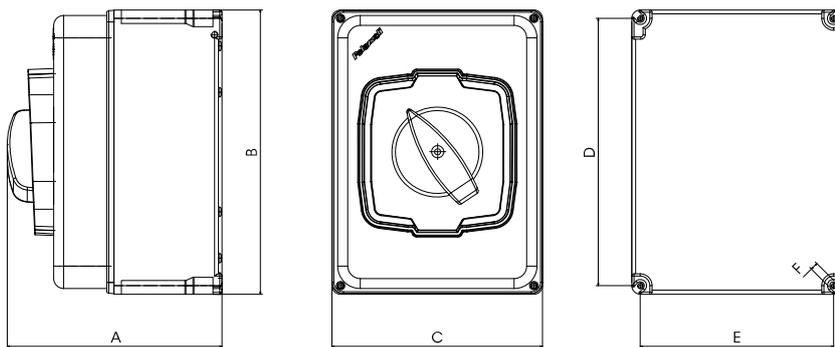
CAM-FIRE

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



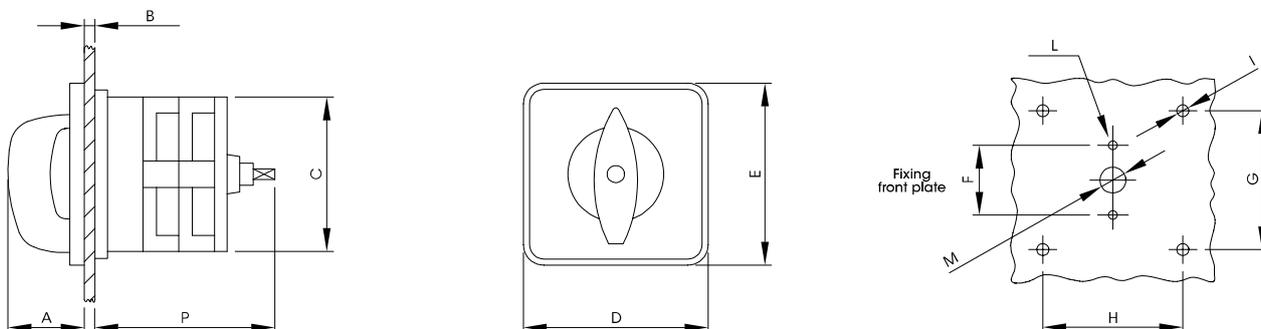
Rated current (A)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
63	230	252	185	237	170	7
125-200	240	315	220	300	224	9



CONTROL AND PROTECTION

CAM

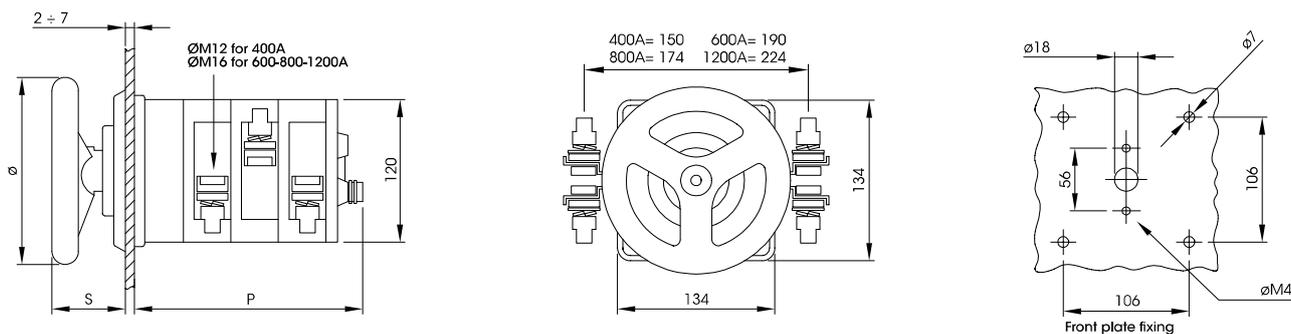
16A/200A rotary switches with handle



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.

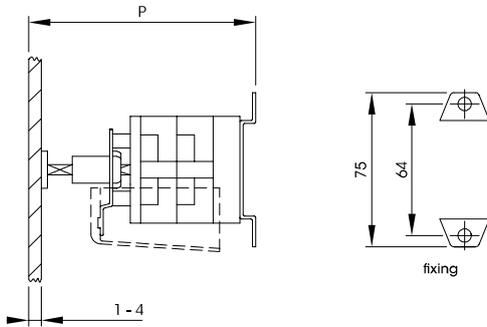


CONTROL AND PROTECTION

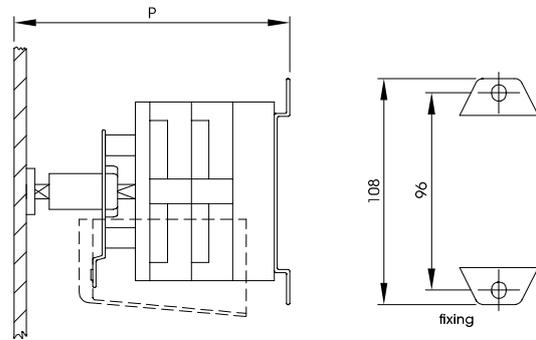
CAM

Rotary devices for base mounting

16A - 25A



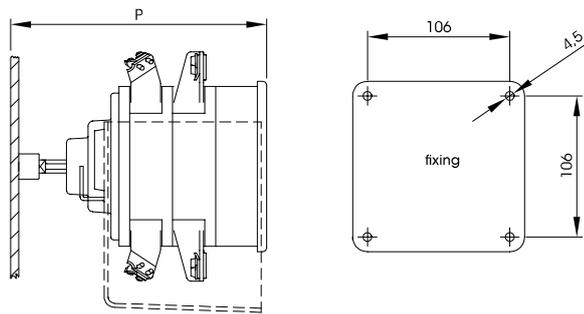
40A - 63A



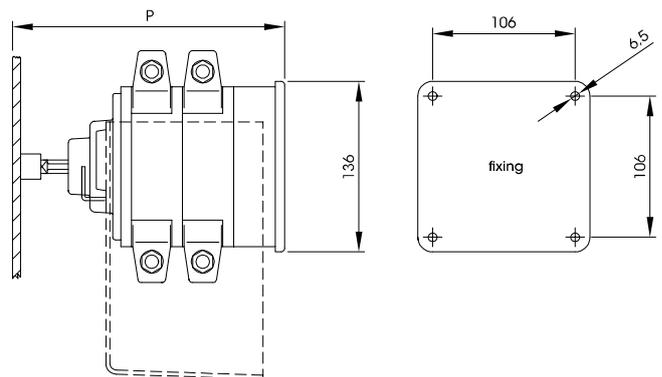
P* the dimension refers to the depth indicated in the corresponding catalogue tables.

Rotary devices for base mounting

100A



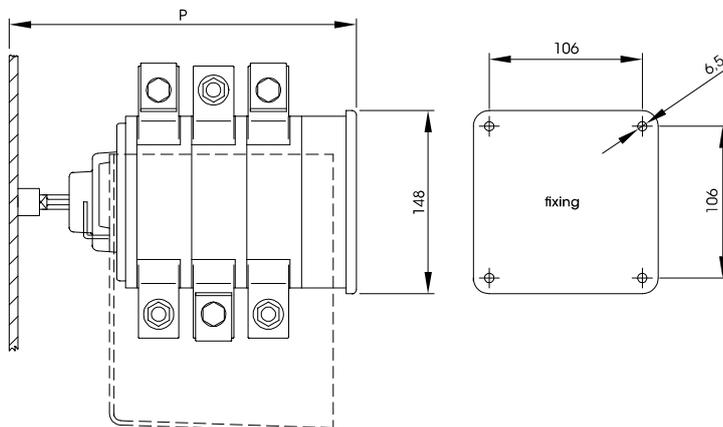
200A



P* the dimension refers to the depth indicated in the corresponding catalogue tables.

Rotary devices for base mounting

400A



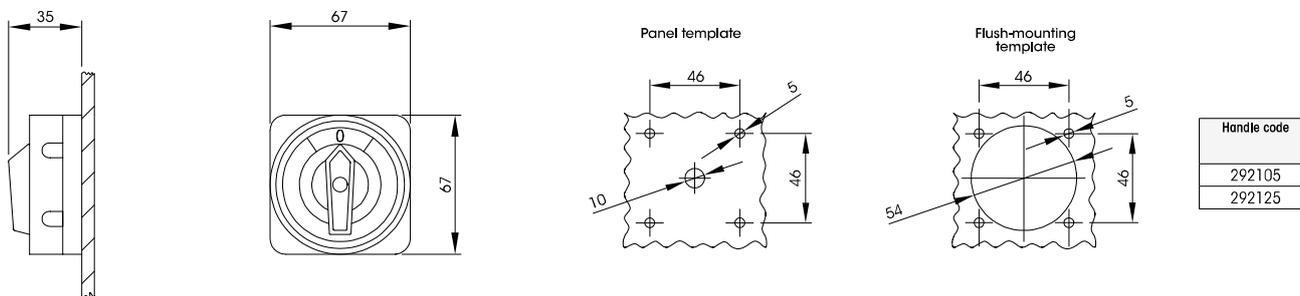
P* the dimension refers to the depth indicated in the corresponding catalogue tables.



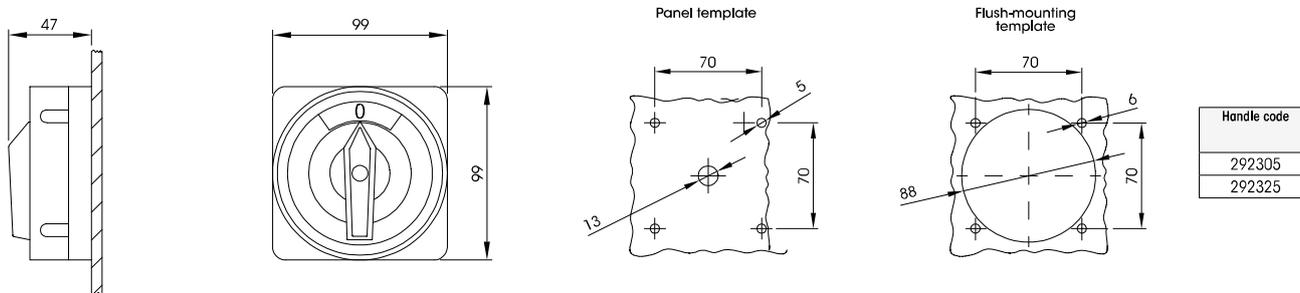
CONTROL AND PROTECTION

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

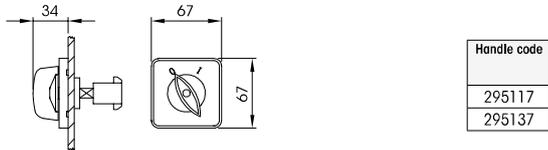




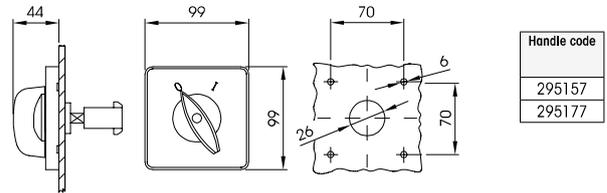
CONTROL AND PROTECTION

CAM

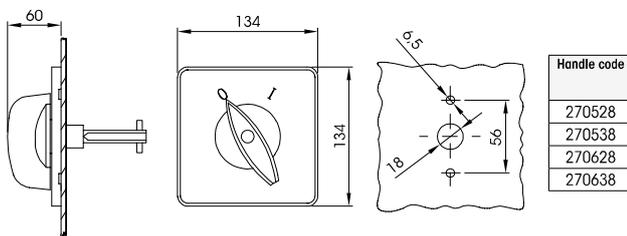
Handles with doorlock and front plate
16A/25A



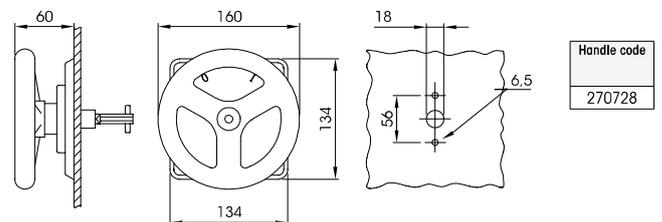
40A/63A



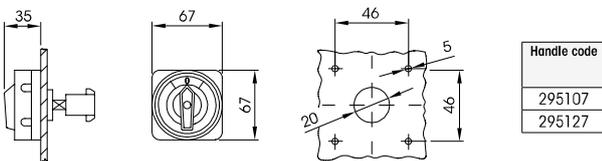
100A/200A



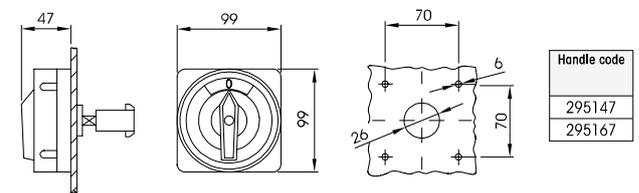
400A



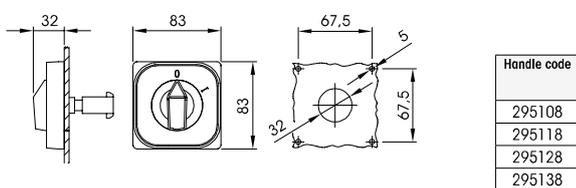
16A/25A



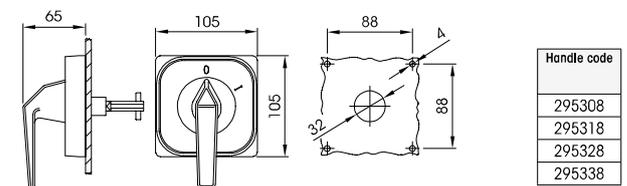
40A/63A



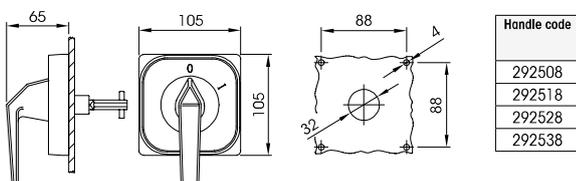
16A/25A



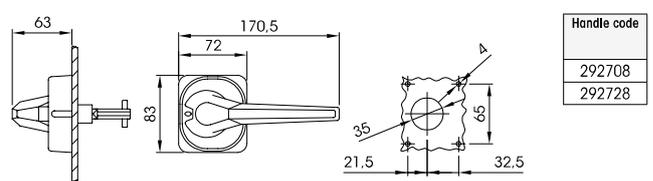
40A/63A



100A/200A



400A

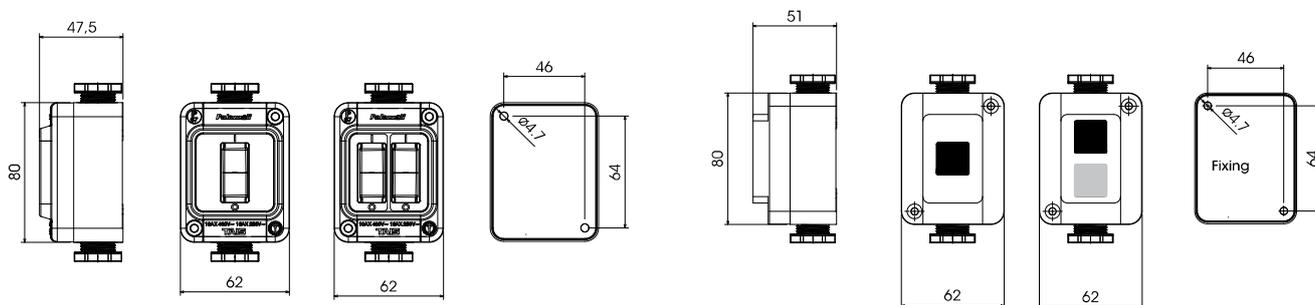




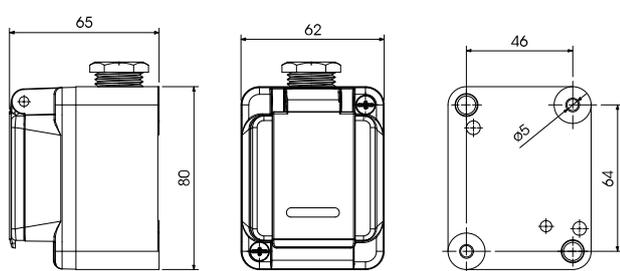
CONTROL AND PROTECTION

TAIS MIGNON

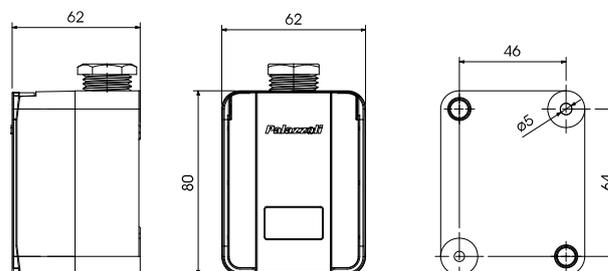
Switches and push-buttons



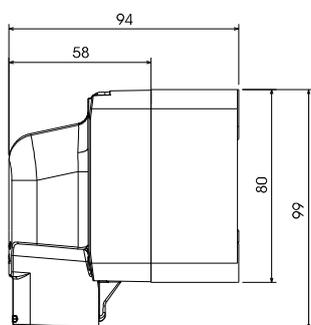
Schuko domestic socket



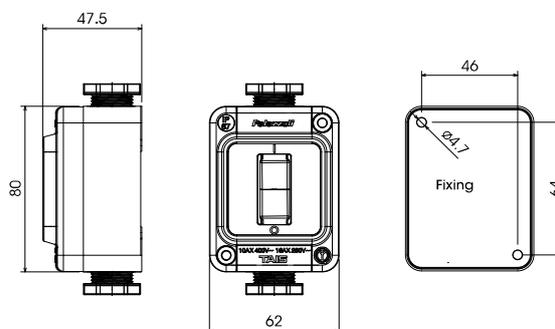
Box for domoTER devices



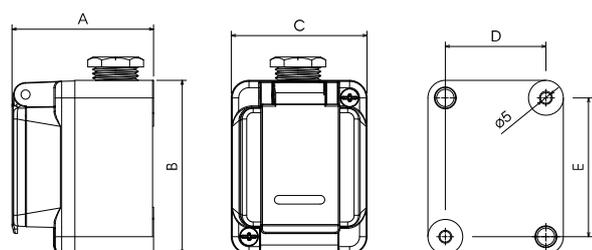
Box with watertight cap



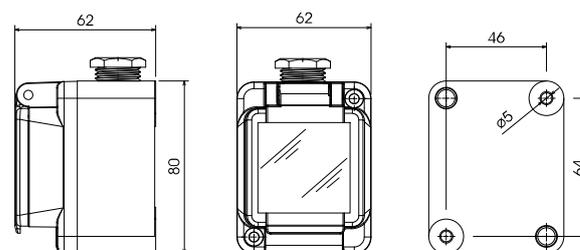
TAISMIGNON-EX switches and two-way switches



Industrial socket-outlets



Boxes for Ticino Magic devices



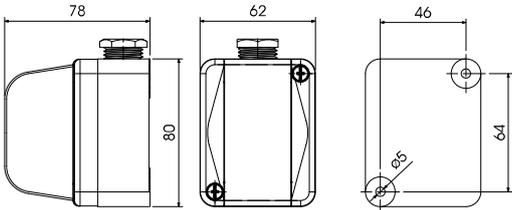
Rated current (A)	No. of poles	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
16	2P+ $\frac{1}{2}$	75	80	62	46	64
	3P+ $\frac{1}{2}$	75	80	62	46	64
	3P+N+ $\frac{1}{2}$	82	102	77	61	86
	2P/3P	75	80	62	46	64



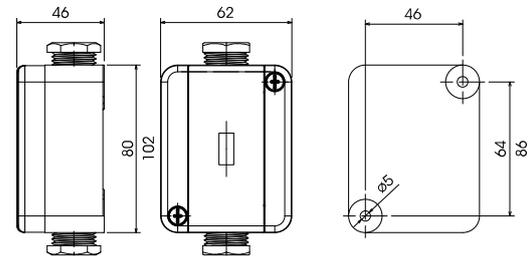
CONTROL AND PROTECTION

TAIS MIGNON

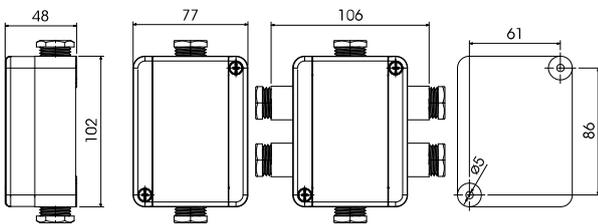
Signalling lamps



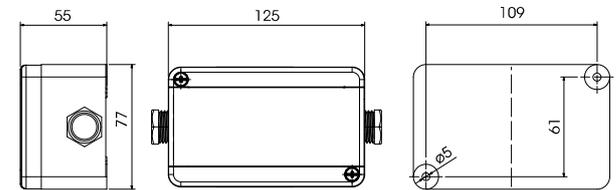
Fuse holder



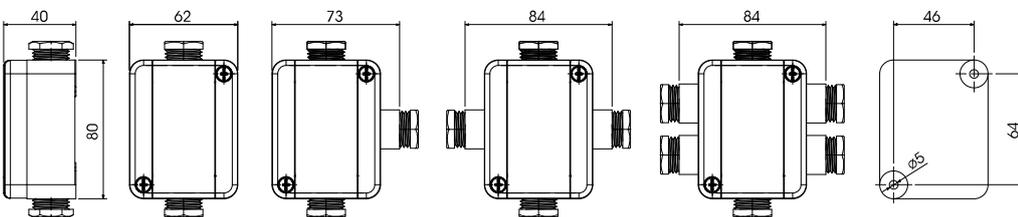
Junction boxes



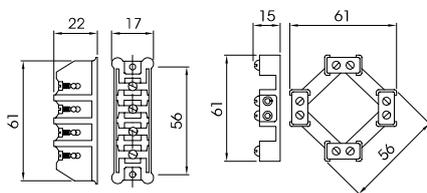
Modular box



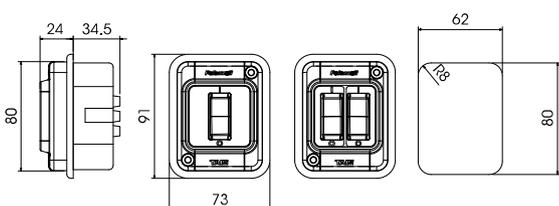
Junction boxes with terminals



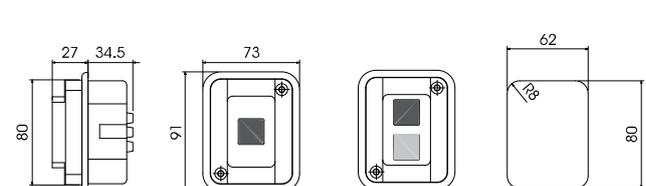
Terminal blocks



Flush-mounted switches



Flush-mounted push-buttons

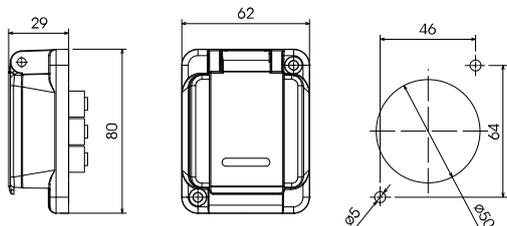




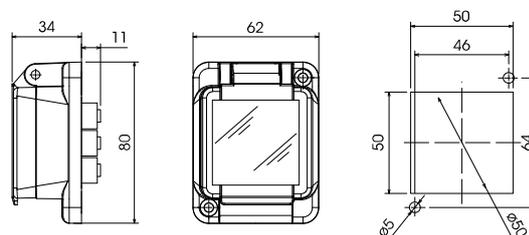
CONTROL AND PROTECTION

TAIS MIGNON

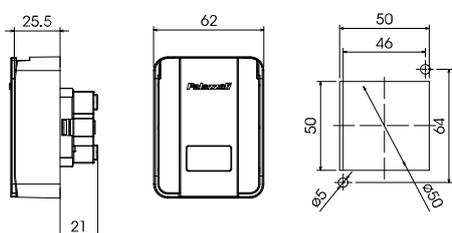
Flush-mounted shuko domestic sockets



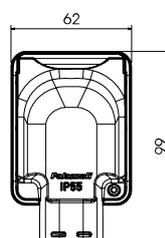
Flush-mounted boxes for Ticino Magic devices



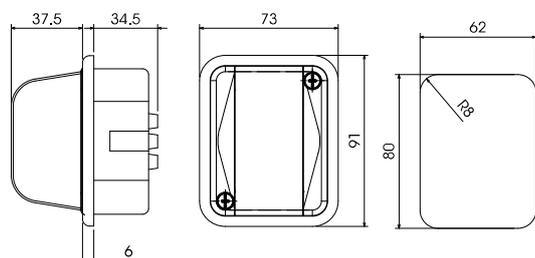
Flush-mounted boxes for Domoter devices



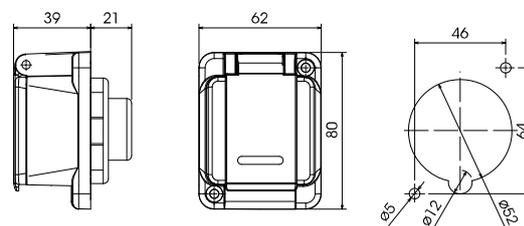
Flush-mounted box with watertight cap



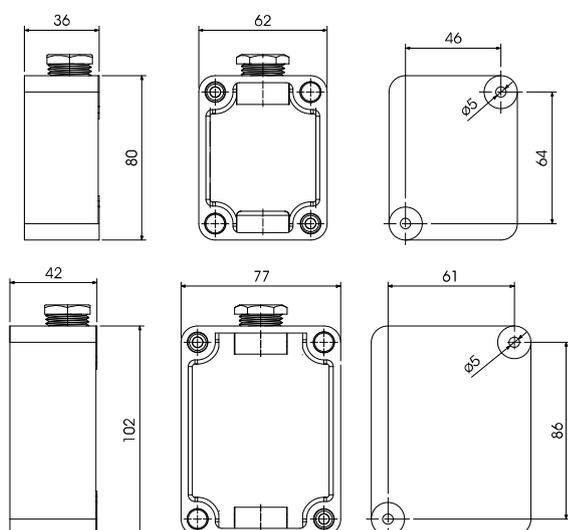
Flush-mounted signalling lamps



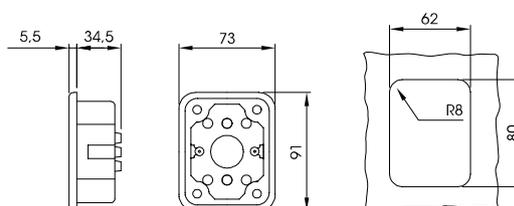
Flush-mounted industrial socket-outlets



Wall-mounted box



Flush-mounted box

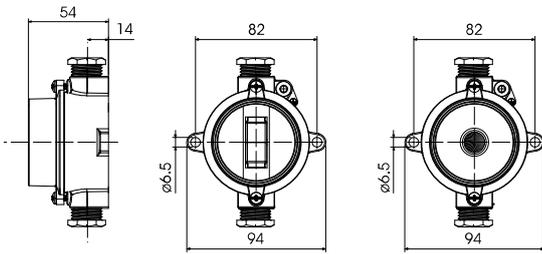




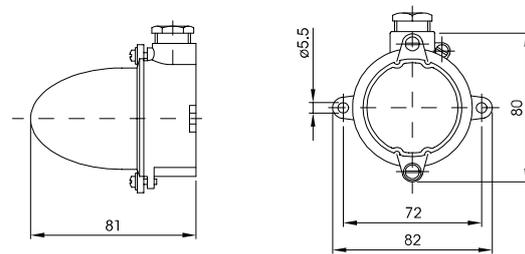
CONTROL AND PROTECTION

RONDÒ

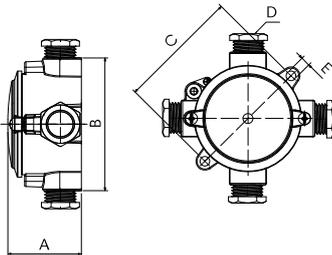
Switches and push-buttons



Signalling lamps

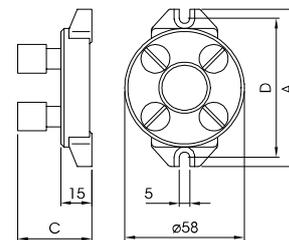


Boxes



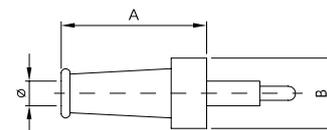
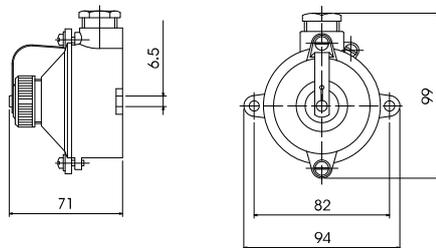
inner \varnothing (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
62	45	140	82	M20x1.5	6.5
82	57	180	106	M25x1.5	7

Terminal blocks



Palazzoli code	A (mm)	B (mm)	\varnothing (mm)
112094	57	31	49
113094	77	35	68
113194	77	42	68

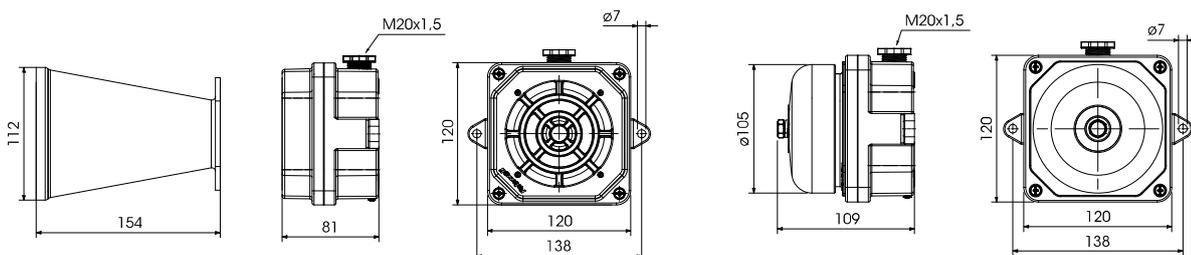
Concentric plugs and sockets



Palazzoli code	A (mm)	B (mm)	\varnothing (mm)
407030	75	33	10
407031	84	39	14

ALARM

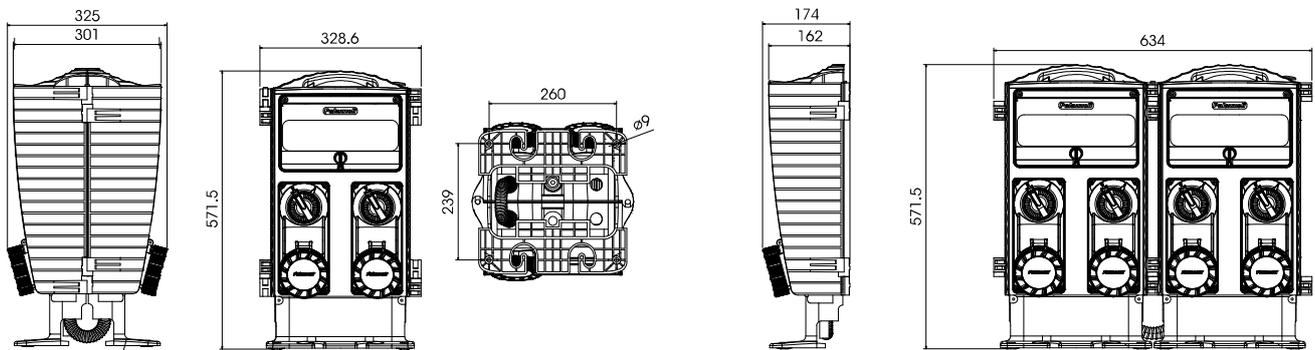
Sirens and bells





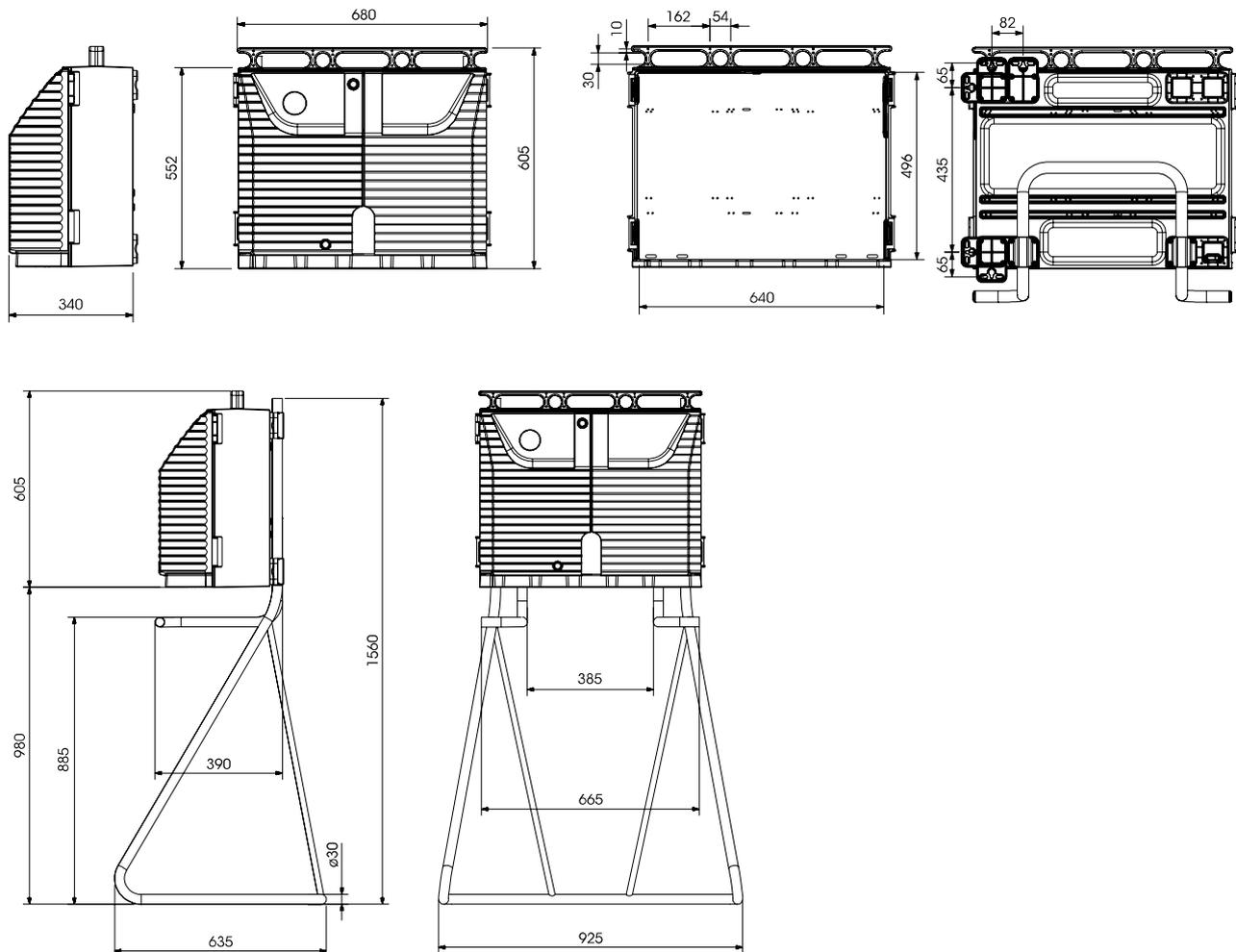
PRE-WIRED DISTRIBUTION BOARDS

JANUS



ENERGY BOX

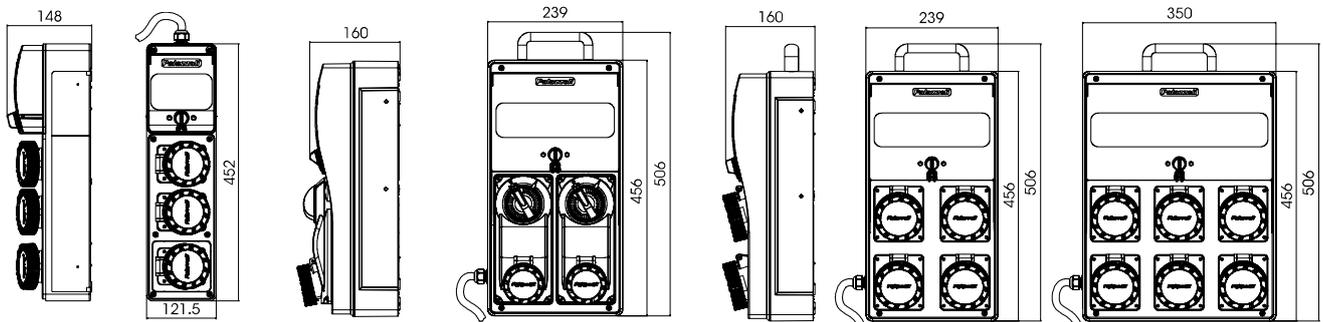
Distribution boards in insulating box





PRE-WIRED DISTRIBUTION BOARDS

ENERGY GO

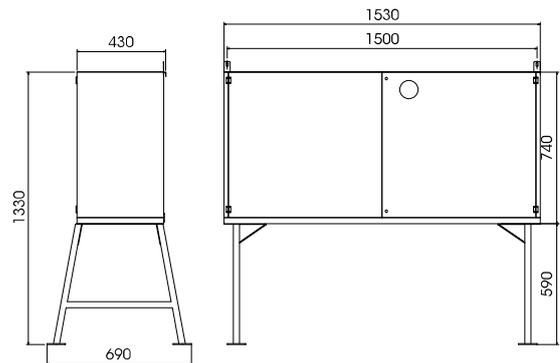
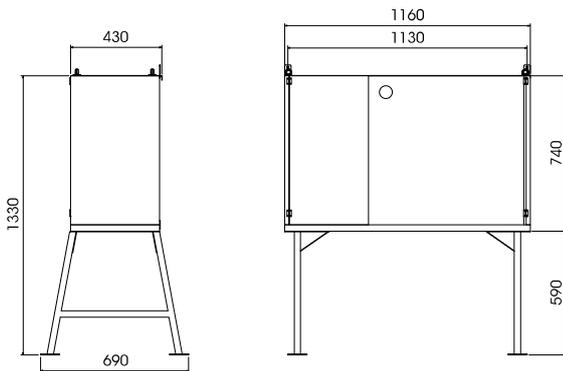


ENERGY METALBOX

Distribution boards in metal cabinet

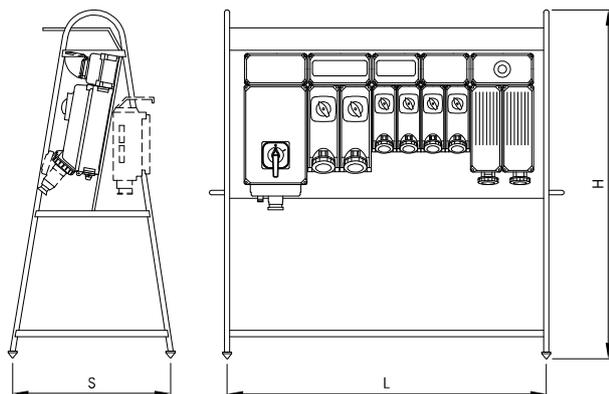
Dimensions 1160x740x430 up to 6 sockets

Dimensions 1530x740x430



ENERGY TAIS

Distribution boards on stainless steel stand



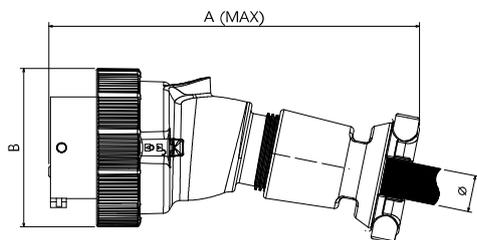
Type
With MCB - 5 sockets
With MCB - 6 sockets
With MCB - 7 to 9 sockets
With fuses - 5 sockets
With fuses - 6 to 10 sockets
With fuses - 11 sockets

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

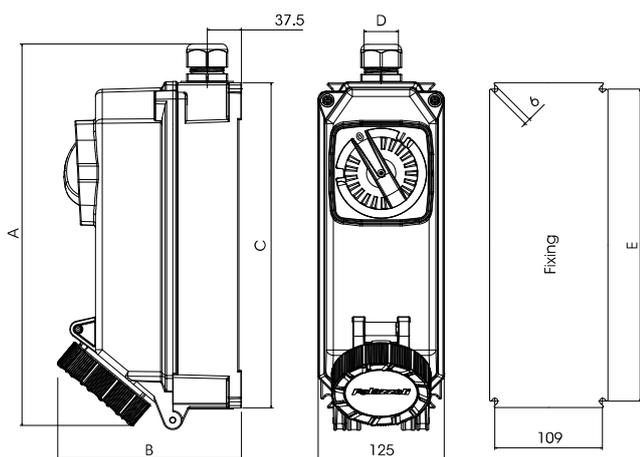
XCEE-EX



Rated current (A)	No. of poles	A (mm)	B (mm)	Ø (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+⊕			

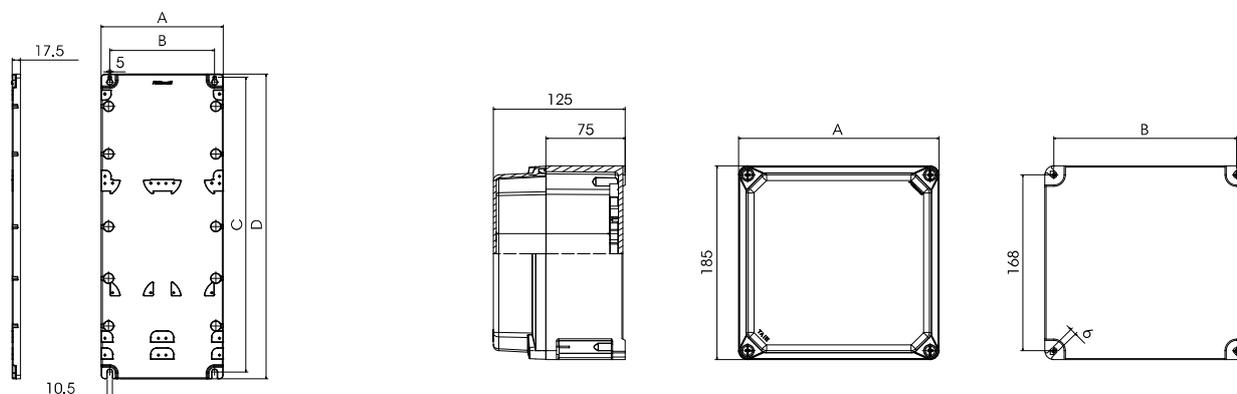
TAIS-EX

Socket-outlets



Rated current (A)	Poles	entry cable Ø (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

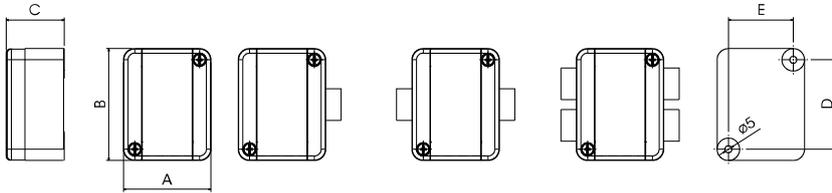
Palazzoli code	A (mm)	B (mm)
532281EX - 532286EX	125	108
532282EX	250	233
532283EX	380	363



ATEX

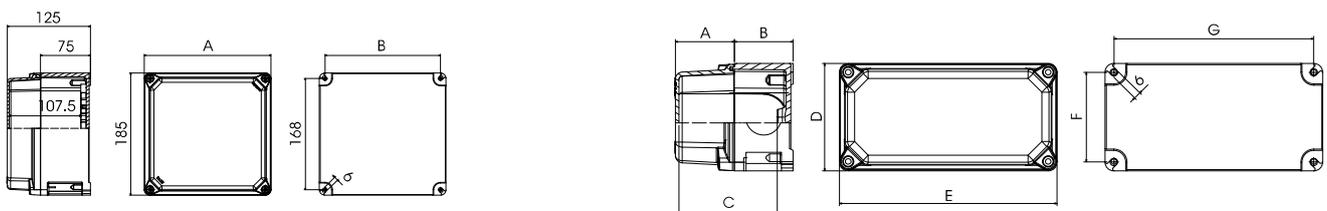
TAISBOX-EXU E TAISBOX-EX

Compact enclosures



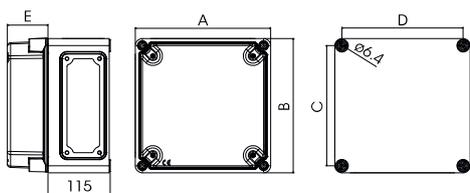
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
102025EX - 102035EX - 102045EX	62	80	38	64	46
102156EX - 102157EX	77	102	48	86	61

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

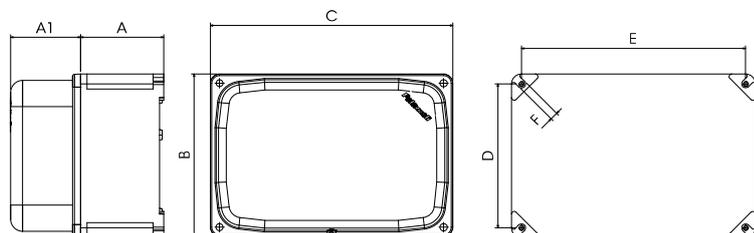


Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
531011EX	185	185	159	159	25
531021EX	250	185	224	159	75
531040EX	250	250	224	224	75
531042EX	250	370	344	224	75
531062EX	370	500	474	344	75



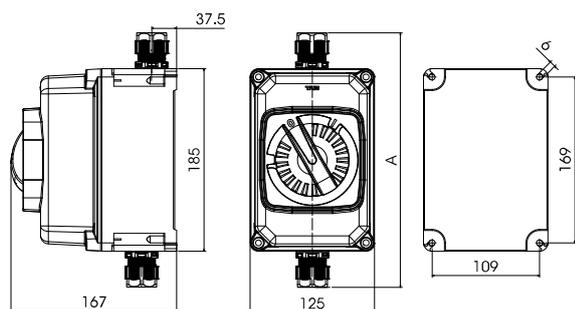
ATEX

UNIBOX-EXU in aluminium



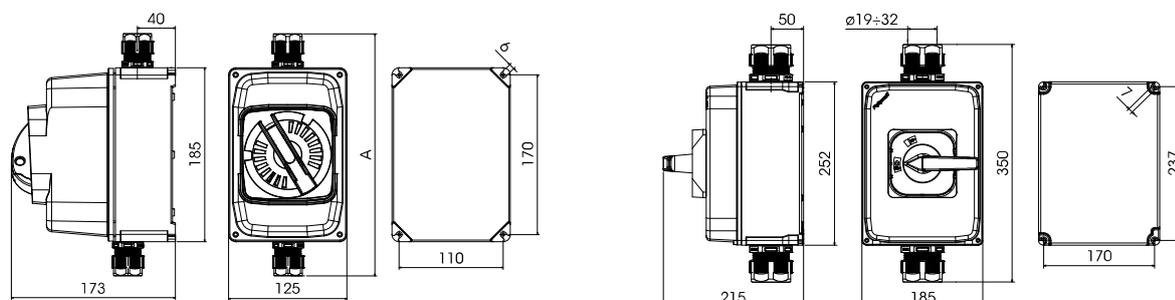
Palazzoli code	A (mm)	A1 (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
511910EX	42	35	92	92	78	78	6
511913EX	63	50	125	125	111	111	6
511220EX	63	50	125	185	111	171	6
150021EX	63	10	155	155	141	141	6
511920EX	95	50	185	185	171	171	6
521310EX	95	13	220	220	192	205	6
511921EX	95	50	185	252	169	236	6
511410EX	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



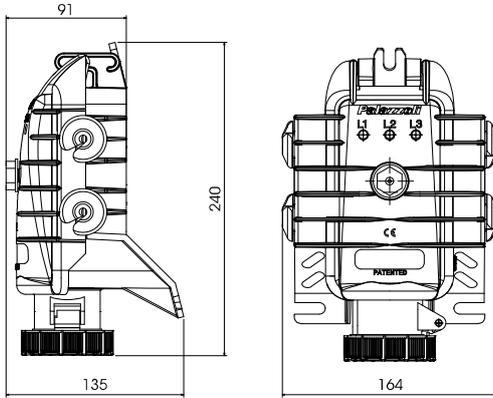
Rated current (A)	entry cable Ø (mm)	A (mm)
16-25	9 - 18	257
32 - 63	12.5 - 25	267



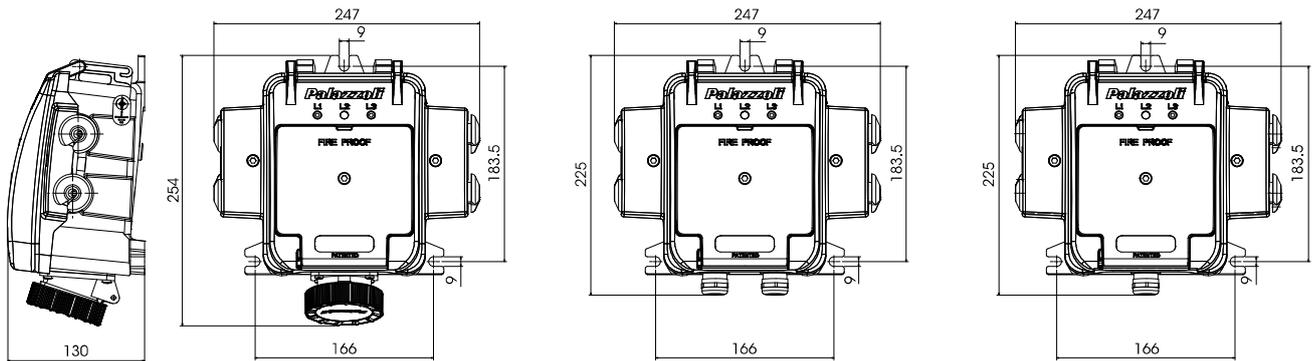
ATEX

FASTBOX-T54

Insulation-piercing boxes for ordinary circuits



Insulation-piercing boxes for emergency circuits

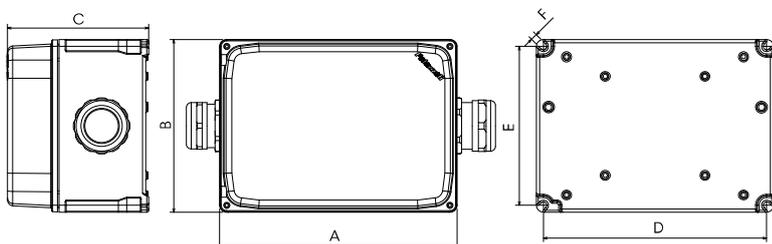




INFRASTRUCTURES

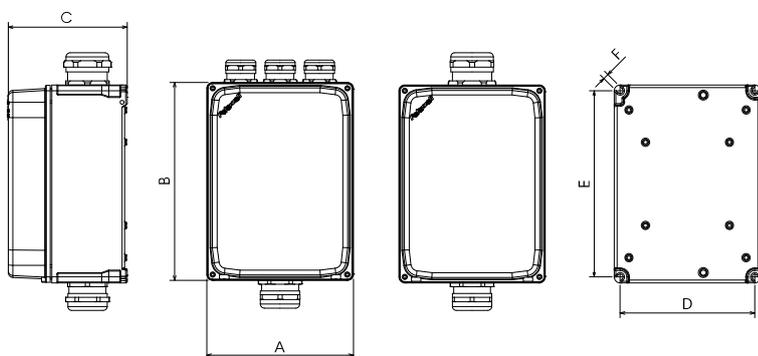
ALUCASE-T54

Line junction boxes



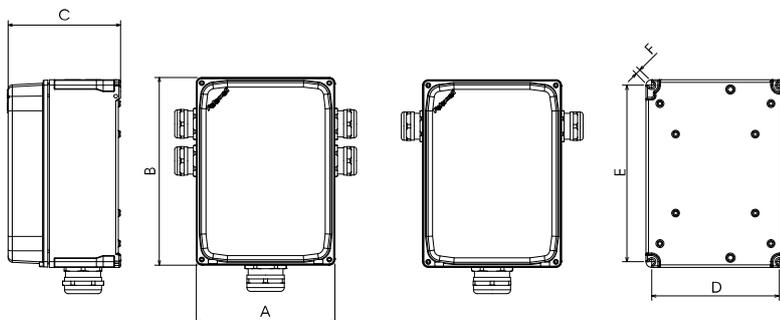
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
151553	185	185	105	171	171	6
151564 - 151575 151585 - 151641 151642 - 151652 151664	252	185	152	236	169	6
151675 - 151685	315	252	193	300	224	6

Adaptors



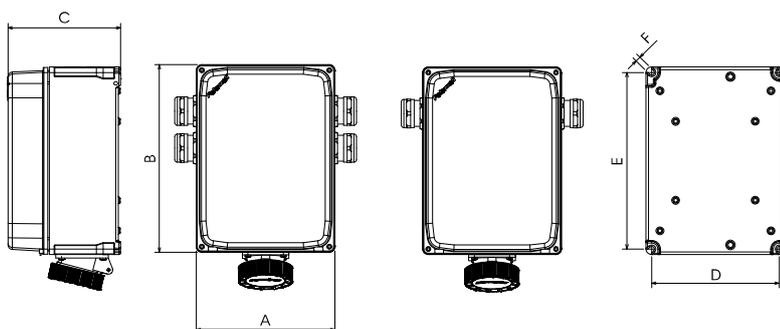
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
151531 - 151532 151533	185	252	152	169	236	6
151534	252	315	193	224	300	6
151535	315	315	193	286	300	9

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

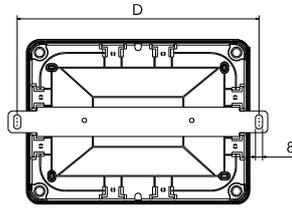
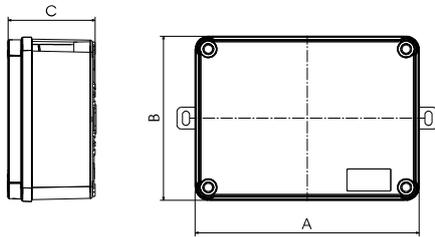


Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
151311 - 151322	185	185	105	171	171	6
151334 - 154441 151442 - 151452 151464	185	252	152	169	236	6
151345 - 151475 151485	252	315	193	224	300	6

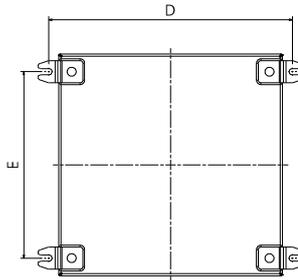
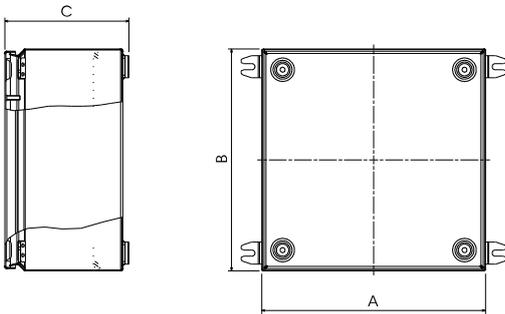


INFRASTRUCTURES

FIREBOX-T54



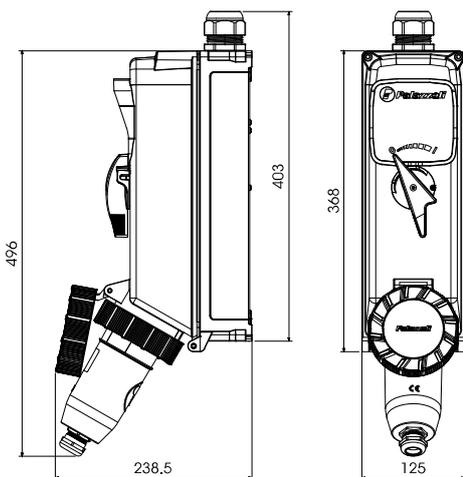
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)
151735 - 151755	160	120	80	170
151731 - 151751 151835 - 151855	200	150	80	220
151733 - 151753 151831 - 151851	250	185	100	270



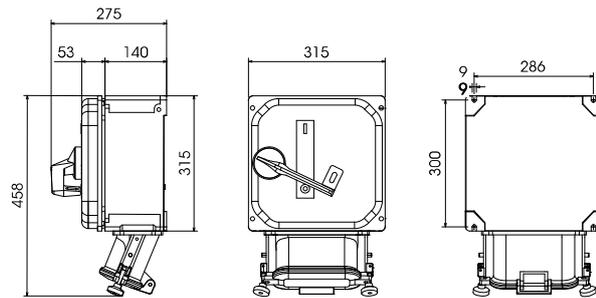
Palazzoli code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
151355	150	150	100	172	110
151351 - 151353	250	250	140	272	210

ALUPRES-T54

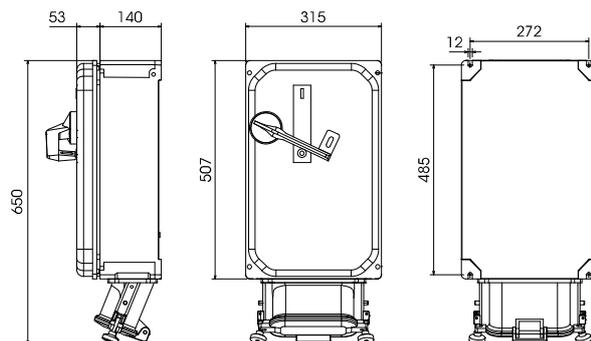
Sockets for fans
63A



63A



125A

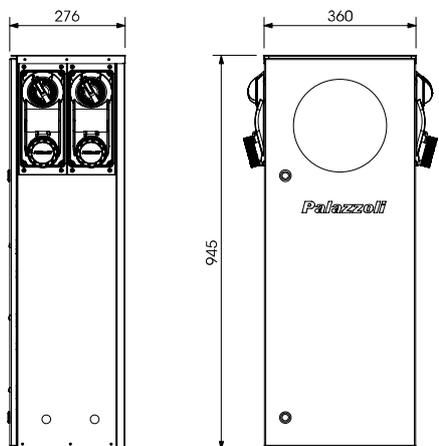




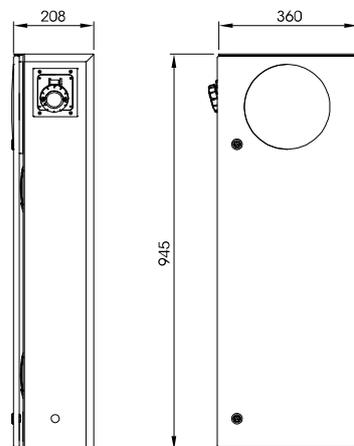
MARINE

B-SMART

Standard distribution turrets

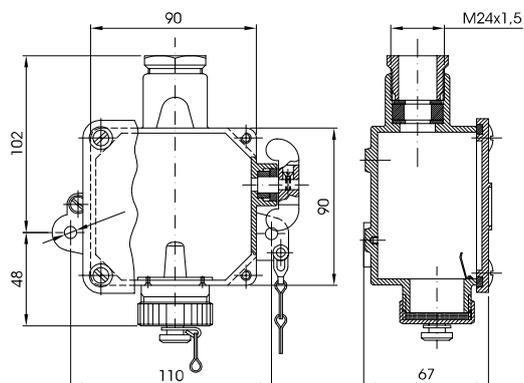


Compact distribution turrets

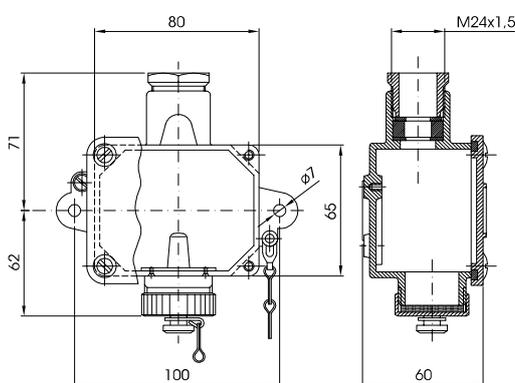


UNAV

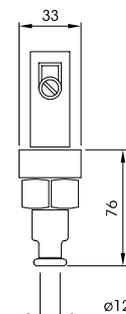
Interlocked socket-outlet
UNAV 1436



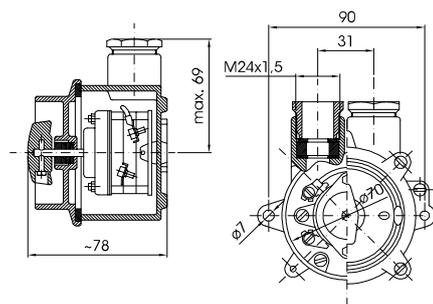
Socket
UNAV 1435



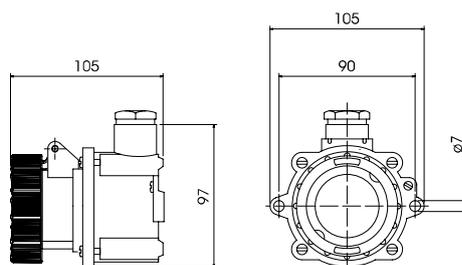
Plug
UNAV 1437



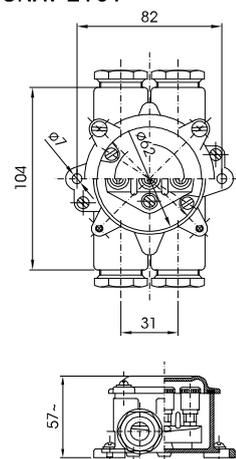
Switches and two-way switches
in brass UNAV 2162



Industrial socket-outlets
UNAV 2166



Industrial socket-outlets
UNAV 2161



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) 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). 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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SISTEMI ELETTRICI E LUCE D'AUTORE