

Palazzoli

General Catalogue



2019/2020



INTERLOCKED SOCKET-OUTLETS AND ROTOSWITCHES

For standard and heavy-duty applications



topTER

interlocked socket-outlets
for distribution boards

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PRIMA

compact horizontal
interlocked socket-outlets

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X-CEE

mobile sockets
with rotoswitch

page 86



X-CEE

sockets for panel-mounting and
wall-mounting with rotoswitch

page 89



INTERLOCKED SOCKET-OUTLETS

For heavy-duty applications



TAIS

interlocked socket-outlets
with increased safety
in thermosetting GRP

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ULYSSE

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

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ALUPRES

high-resistance aluminium
interlocked socket-outlets

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ALUMAX

sockets with electric interlock
for high amperages

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INTERLOCKED SOCKET-OUTLETS IN THERMOPLASTIC MATERIAL FROM 16A TO 125A

				topTER series				PRIMA series			
											
				page 70	page 70	page 71	page 71	page 82	page 82	page 83	page 83
Rated current (A)	Rated voltage (V)	Poles	h ref.	Direct supply IP44	With fuses IP44	Direct supply IP66/IP67	With fuses IP66/IP67	Direct supply IP44	With fuses IP44	Direct supply IP55	With fuses IP55
16	110 100-130	2P+ $\neq$	4	492124	190124	491124	490124	493124	494124	495124	496124
		3P+ $\neq$	4			491134	490134			495134	496134
		3P+N+ $\neq$	4			491144	490144			495144	496144
	230 200-250	2P+ $\neq$	6	492126	190126	491126	490126	493126	494126	495126	496126
		3P+ $\neq$	9			491139	490139			495139	496139
		3P+N+ $\neq$	9			491149	490149			495149	496149
	400 380-415	2P+ $\neq$	9			491129	490129			495129	496129
		3P+ $\neq$	6	492136	190136	491136	490136	493136	494136	495136	496136
		3P+N+ $\neq$	6	492146	190146	491146	490146	493146	494146	495146	496146
	500 480-500	3P+ $\neq$	7								
		3P+N+ $\neq$	7								
32	110 100-130	2P+ $\neq$	4			491224	490224			495224	496224
		3P+ $\neq$	4			491234	490234			495234	496234
		3P+N+ $\neq$	4			491244	490244			495244	496244
	230 200-250	2P+ $\neq$	6	492226	190226	491226	490226	493226	494226	495226	496226
		3P+ $\neq$	9			491239	490239			495239	496239
		3P+N+ $\neq$	9			491249	490249			495249	496249
	400 380-415	2P+ $\neq$	9			491229	490229			495229	496229
		3P+ $\neq$	6	492236	190236	491236	490236	493236	494236	495236	496236
		3P+N+ $\neq$	6	492246	190246	491246	490246	493246	494246	495246	496246
	500 480-500	3P+ $\neq$	7								
		3P+N+ $\neq$	7								
	380-440	3P+ $\neq$	3			491233	490233			495233	496233
63	110 100-130	2P+ $\neq$	4			481324	480324				
		3P+ $\neq$	4			481334	480334				
		3P+N+ $\neq$	4			481344	480344				
	230 200-250	2P+ $\neq$	6			481326	480326				
		3P+ $\neq$	9			481339	480339				
		3P+N+ $\neq$	9			481349	480349				
	400 380-415	2P+ $\neq$	9			481329	480329				
		3P+ $\neq$	6			481336	480336				
		3P+N+ $\neq$	6			481346	480346				
	500 480-500	3P+ $\neq$	7								
		3P+N+ $\neq$	7								
125	400 380-415	3P+ $\neq$	6								
		3P+N+ $\neq$	6								
	500 480-500	3P+ $\neq$	7								
		3P+N+ $\neq$	7								

EXTRA LOW VOLTAGE

				topTER series	PRIMA series
					
				page 71	page 83
Rated current (A)	Rated voltage (V)	Poles	h ref.	Self-protected with transformer 150VA IP66/IP67	Self-protected with transformer 150VA IP55
16	230/24	2P	—	490024	496024



INTERLOCKED SOCKET-OUTLETS IN TECHNOPOLYMER FROM 16A TO 125A

				X-CEE series				X-CEE series - Compositions			
											
				page 89	page 89	page 89	page 89	page 90	page 91	page 91	page 91
Rated current (A)	Rated voltage (V)	Poles	h ref.	Rotoswitched couplers IP66/IP67/IP69	Straight panel-mounted rotoswitched IP66/IP67/IP69	20° angled panel-mounted rotoswitched IP66/IP67/IP69	65° angled wall-mounted rotoswitched IP66/IP67/IP69	Rotoswitched sockets 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	532131
		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	532133
		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

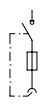
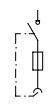
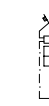


The rotoswitch inserts can be installed:

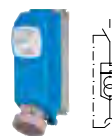
- on straight or angled panel-mounted flanges
- in boxes by using straight or angled flanges to achieve 65° or 85° angled devices and reduce overall dimensions



INTERLOCKED SOCKET-OUTLETS IN THERMOSETTING GRP MATERIAL FROM 16A TO 125A

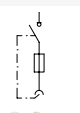
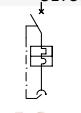
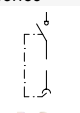
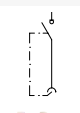
				TAIS series							
											
Rated current (A)	Rated voltage (V)	Poles	h ref.	With fuses module 95 IP66/IP67	With fuses module 125 IP67	Direct supply module 95 IP66/IP67	Direct supply module 125 IP67	With MCB IP67	With DIN rail IP67	With electric interlock IP65	With electric interlock and RCD IP65
16	110 100-130	2P+ $\frac{N}{\text{PE}}$	4	472610			467124	474210			
		3P+ $\frac{N}{\text{PE}}$	4	472710				474310			
		3P+N+ $\frac{N}{\text{PE}}$	4	472810				474410			
	230 200-250	2P+ $\frac{N}{\text{PE}}$	6	472620		470126	467126	474220	472020		
		3P+ $\frac{N}{\text{PE}}$	9	472720				474320			
		3P+N+ $\frac{N}{\text{PE}}$	9	472820				474420			
	400 380-415	2P+ $\frac{N}{\text{PE}}$	9	472630				474230			
		3P+ $\frac{N}{\text{PE}}$	6	472730		470136	467136	474330	472130		
		3P+N+ $\frac{N}{\text{PE}}$	6	472830		470146	467146	474430	472240		
	500 480-500	3P+ $\frac{N}{\text{PE}}$	7	472750							
		3P+N+ $\frac{N}{\text{PE}}$	7	472840							
32	110 100-130	2P+ $\frac{N}{\text{PE}}$	4	468224	472611			474611			
		3P+ $\frac{N}{\text{PE}}$	4	468234	472711			474711			
		3P+N+ $\frac{N}{\text{PE}}$	4		472811			474811			
	230 200-250	2P+ $\frac{N}{\text{PE}}$	6	468226	472621	469226	470226	474621	472021		
		3P+ $\frac{N}{\text{PE}}$	9	468239	472721			474721			
		3P+N+ $\frac{N}{\text{PE}}$	9		472821			474821			
	400 380-415	2P+ $\frac{N}{\text{PE}}$	9	468226	472631			474631			
		3P+ $\frac{N}{\text{PE}}$	6	468236	472731	469236	470236	474731	472131		
		3P+N+ $\frac{N}{\text{PE}}$	6		472831		470246	474831	472241		
	500 480-500	3P+ $\frac{N}{\text{PE}}$	7	472751							
		3P+N+ $\frac{N}{\text{PE}}$	7	472841							
	380-440	3P+ $\frac{N}{\text{PE}}$	3	468233	472771	469233	470233	474771	472133		
63	110 100-130	2P+ $\frac{N}{\text{PE}}$	4		472612			474612			
		3P+ $\frac{N}{\text{PE}}$	4		472712			474712			
		3P+N+ $\frac{N}{\text{PE}}$	4		472812			474812			
	230 200-250	2P+ $\frac{N}{\text{PE}}$	6		472622		470326	474622	472022		
		3P+ $\frac{N}{\text{PE}}$	9		472722			474722			
		3P+N+ $\frac{N}{\text{PE}}$	9		472822			474822			
	400 380-415	2P+ $\frac{N}{\text{PE}}$	9		472632			474632			
		3P+ $\frac{N}{\text{PE}}$	6		472732		470336	474732	472132	478336	476336
		3P+N+ $\frac{N}{\text{PE}}$	6		472832		470346	474832	472242	478346	476346
	500 480-500	3P+ $\frac{N}{\text{PE}}$	7		472752					478337	476337
		3P+N+ $\frac{N}{\text{PE}}$	7		472842					478347	476347
125	400 380-415	3P+ $\frac{N}{\text{PE}}$	6							478436	476436
		3P+N+ $\frac{N}{\text{PE}}$	6							478446	476446
	500 480-500	3P+ $\frac{N}{\text{PE}}$	7							478437	476437
		3P+N+ $\frac{N}{\text{PE}}$	7							478447	476447

EXTRA LOW VOLTAGE

				TAIS series		
						
Rated current (A)	Rated voltage (V)	Poles	h ref.	Self-protected with transformer 150VA IP67	With transformer and fuses 144VA IP67	With transformer and fuses 750VA IP67
16	230/24	2P	-	469873	471873	
	400/24				471893	
32	230/48	2P	-			471819
	400/48					471839

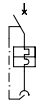
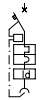


INTERLOCKED SOCKET-OUTLETS IN THERMOSETTING GRP MATERIAL AND ALUMINIUM FROM 16A TO 125A

				   			
				page 110	page 111	page 111	page 112
Rated current (A)	Poles	h ref.		With fuses IP66/IP67	With MCB IP66/IP67	With DIN rail IP66/IP67	Direct supply IP66/IP67
16	2P+≡	4	400124	403124			
	3P+≡	4	400134	403134			
	3P+N+≡	4	400144	403144			
	2P+≡	6	400126	403126	406126	408126	
	3P+≡	9	400139	403139			
	3P+N+≡	9	400149	403149			
	2P+≡	9	400129	403129			
	3P+≡	6	400136	403136	406136	408136	
	3P+N+≡	6	400146	403146	406146	408146	
	3P+≡	7	400137				
	3P+N+≡	7	400147				
32	2P+≡	4	400224	403224			
	3P+≡	4	400234	403234			
	3P+N+≡	4	400244	403244			
	2P+≡	6	400226	403226	406226	408226	
	3P+≡	9	400239	403239			
	3P+N+≡	9	400249	403249			
	2P+≡	9	400229	403229			
	3P+≡	6	400236	403236	406236	408236	
	3P+N+≡	6	400246	403246	406246	408246	
	3P+≡	7	400237				
	3P+N+≡	7	400247				
63	3P+≡	3	400233	403233	406233	408233	
	2P+≡	4	400324	403324			
	3P+≡	4	400334	403334			
	3P+N+≡	4	400344	403344			
	2P+≡	6	400326	403326	406326	408326	
	3P+≡	9	400339	403339			
	3P+N+≡	9	400349	403349			
	2P+≡	9	400329	403329			
	3P+≡	6	400336	403336	406336	408336	
	3P+N+≡	6	400346	403346	406346	408346	
125	3P+≡	7	400337				
	3P+N+≡	7	400347				
	3P+≡	6					
	3P+N+≡	6					

EXTRA LOW VOLTAGE

				 	
				page 112	
Rated current (A)	Rated voltage (V)	Poles	h ref.		Self-protected with transformer 150VA IP66/IP67
16	230/24	2P	—		409873

ALUPRES series					
 	 	 	 	 	 
page 119	page 122	page 121	page 122	page 121	page 121
With fuses IP67	Direct supply IP67	With MCB IP67	With DIN rail IP67	With electric interlock and RCD IP55	With electric interlock and RCD IP55
472233		474633			
472243		474643			
472253		474653			
472333	466126	474733	472623		
472343		474743			
472353		474753			
472433		474833			
472443	466136	474843	472733		
472453	466146	474853	472843		
472543					
472543					
472236		474236			
472246		474246			
472256		474256			
472336	460226	474336	472624		
472346		474346			
472356		474356			
472436		474436			
472446	460236	474446	472734		
472456	460246	474456	472844		
472546					
472556					
472486		474486	472735		
472237		474237			
472247		474247			
472257		474257			
472337	460326	474337	472027		
472347		474347			
472357		474357			
472437		474437			
472447	460336	474447	472137	475336	473336
472457	460346	474457	472647	475346	473346
472547	472547			475337	473337
472557	472557			475347	473347
472418	460436		472648	475436	473436
472428	460446		472649	475446	473446
472518				475437	473437
472528				475447	473447

EXTRA LOW VOLTAGE

				 	
				page 122	page 122
Rated current (A)	Rated voltage (V)	Poles	h ref.	With transformer and fuses 144VA IP67	With transformer and fuses 720VA IP65
16	230/24	2P	—	471812	
	400/24	2P	—	471832	
32	230/48	2P	—		471818
	400/48	2P	—		471838

topTER





topTER

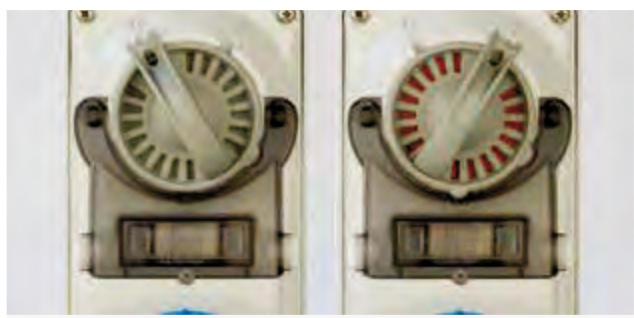
It is equipped with an IP66/IP67 protection system that protects it from water, dust and wear



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.

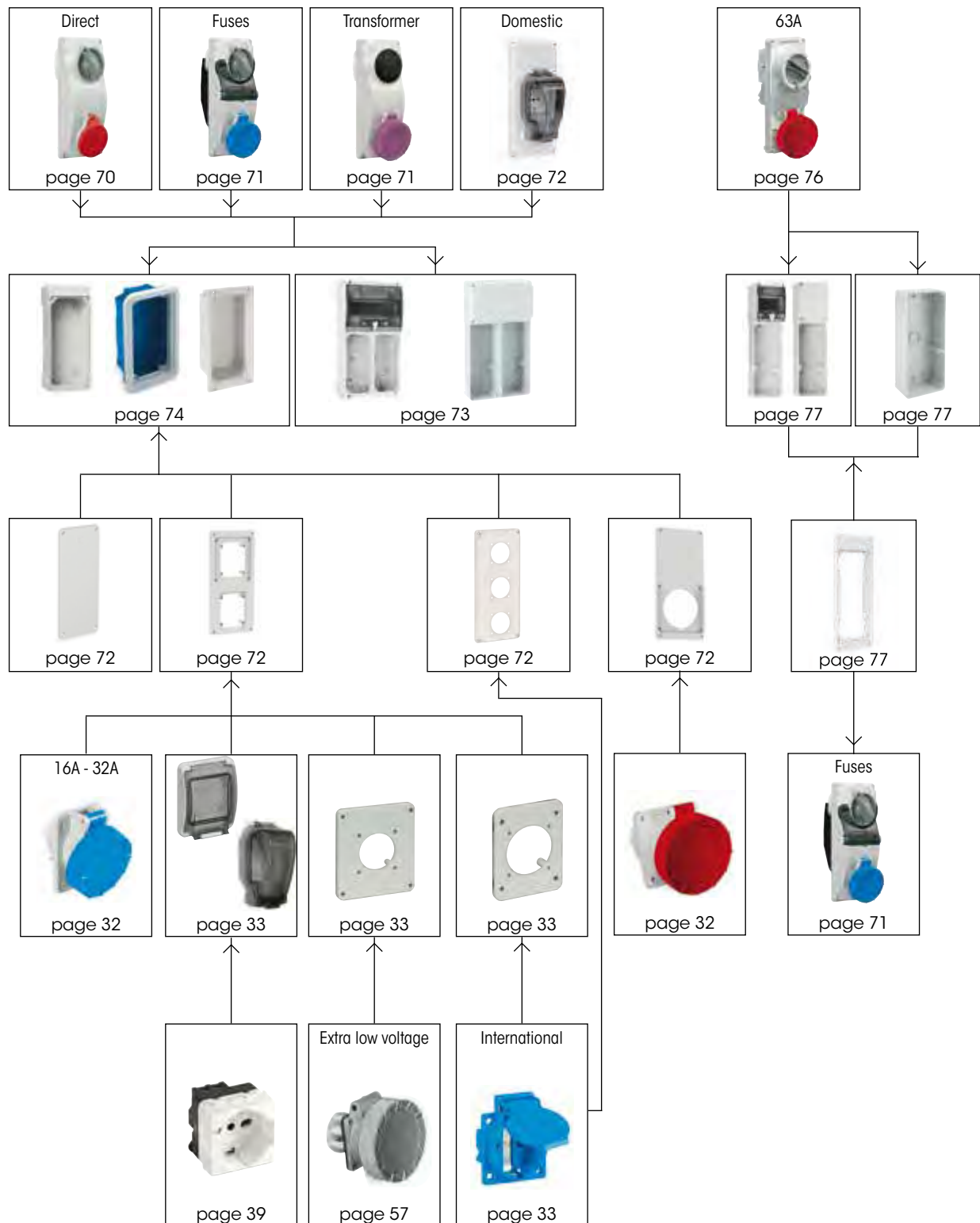


The patented high visibility handle allows even the most inexperienced user to understand the status of the switch at a glance.



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

They are suitable for use in hypermarkets, hospitals, hotels, kitchens, motorway restaurants, trade fairs, small workshops and generally in all places where accidental stops are absolutely undesirable due to the intense pace of the activities.



The Easy Composer software which enables to easily create customised distribution boards
is available on the www.palazzoli.com website.



topTER is a series of interlocked socket-outlets. The industrial low voltage interlocked socket-outlets of the topTER series are a range of products made in technopolymer for standard applications, that comply with the IEC/EN 60309-1, IEC/EN 60309-2 and IEC/EN 60309-4 standards.

The system includes 16A and 32A versions, with and without fuses, with IP44 and IP66/IP67 protection ratings and a 24V version with safety transformer. Moreover, it can be perfectly coordinated with the products of the topTER 63A series.

Sockets with fuses can be ordered with a "fuse guard" system that allows to identify in real time the phase where the protection has tripped by means of warning lights. The fuses are housed in extractable trays in the front part of the socket, behind an unbreakable transparent lid which also ensures the perfect closing of the fuse holders.

The interlock system is made with a reinforced technopolymer bracket and the switch disconnecter is certified to the AC3-AC23A category at rated current. The range is completed by wall-mounted and flush-mounted boxes and modular distribution boards.

Rated operating current:

			16A	32A
Thermal current Ith			16	32
AC21A	415V	A	16	32
	500V			
AC22A	415V	A	16	32
	500V			
AC23A	230V	A	16	32
	400V			
	500V			
AC23A	230V	kW	4.5	8.5
	400V		7.5	15
	500V		8.5	17
AC3	230V	kW	4.5	8.5
	400V		7.5	15
	500V		8.5	17

Wiring data:

		16A	32A
Entry cable sections	mm ²	1 - 10	
Tightening torque	Nm	2	

Compliance with standards

**IEC/EN 60309-1
IEC/EN 60309-2
IEC/EN 60309-4
IEC/EN 60947-3**

Material **Thermoplastic**

Protection rating (IP according to IEC/EN 60529) **IP44 - IP66/IP67**

Colour **RAL7035**

Resistance to abnormal heat and fire ("Glow Wire" according to IEC/EN 60695-2-10) **960°C (switch)
850°C (socket insert)
650°C (socket body)**

Flammability rating (according to UL94) **V0 (switch)
V2 (socket insert)
HB (socket body)**

Impact resistance (IK grade according to IEC/EN 62262) **IK08**

Rated current **16A - 32A**

Operating voltage **24V - 440V**

Operating frequency **50-60Hz**

Insulation voltage **690V**

Insulation class **II □**

Storage temperature **-30°C - +70°C**

Operating temperature **-25°C - +50°C**

**Resistance to chemical agents**

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

Legend: ↑ high resistance → partial resistance ↓ low resistance



Interlocked socket-outlets
for distribution boards
50-60Hz IP44

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

Technical accessories:



Interlocked socket-outlets
and **fuse holder base**
for distribution boards
50-60Hz IP44

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



EASY COMPOSER

Software for the design and cost estimation of thermoplastic distribution boards.



1. Select the socket type	2. Compose the distribution board	3. Calculate the cost and download the certificates

The software is a free web application available at www.palazzoli.com

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

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

* these sockets can also be supplied in a heavy duty HD wall-mounted version.
For the code number, replace the 491xxx prefix with 891xxx (e.g. from 491124 to 891124).
See page 74 for the code number of the box.

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.

Technical accessories:

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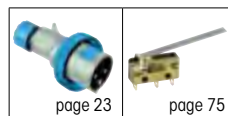
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**Interlocked socket-outlets
with fuse holder base
for distribution boards
50-60Hz IP66/IP67**

Rated current (A)	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 fuses 10.3x38	110V	Yellow	2P+⏏	4	490124	1
	110V	Yellow	3P+⏏	4	490134	1
	110V	Yellow	3P+N+⏏	4	490144	1
	230V	Blue	2P+⏏	6	490126	1
	230V	Blue	3P+⏏	9	490139	1
	230V	Blue	3P+N+⏏	9	490149	1
	400V	Red	2P+⏏	9	490129	1
	400V	Red	3P+⏏	6	490136	1
	400V	Red	3P+N+⏏	6	490146	1
32 fuses 10.3x38	110V	Yellow	2P+⏏	4	490224	1
	110V	Yellow	3P+⏏	4	490234	1
	110V	Yellow	3P+N+⏏	4	490244	1
	230V	Blue	2P+⏏	6	490226	1
	230V	Blue	3P+⏏	9	490239	1
	230V	Blue	3P+N+⏏	9	490249	1
	400V	Red	2P+⏏	9	490229	1
	400V	Red	3P+⏏	6	490236	1
	400V	Red	3P+N+⏏	6	490246	1
	380/440V	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 not included.

Technical accessories:

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

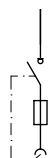
Rated current (A)	Rated voltage	Poles	Power (VA)	Palazzoli code	Pack Qty
16	230/24V	2P	150	490024	1

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

Features: transformer with built-in thermal protection, enabled by a plug-activated bipolar microswitch.

Technical accessories:

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**Interlocked socket-outlets
fuse holder base
and signalling lamp
for distribution boards
50-60Hz IP66/IP67**



Rated current (A)	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 fuses 10.3x38	230V		2P+ $\overline{\text{N}}$	6	499126	1
	400V		3P+ $\overline{\text{N}}$	6	499136	1
	400V		3P+N+ $\overline{\text{N}}$	6	499146	1
32 fuses 10.3x38	230V		2P+ $\overline{\text{N}}$	6	499226	1
	400V		3P+ $\overline{\text{N}}$	6	499236	1
	400V		3P+N+ $\overline{\text{N}}$	6	499246	1

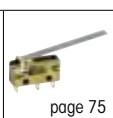
Equipment included: 4 stainless steel screws for fastening the item to the distribution board or box.

Features: fuse holder base with tray and LED indicator for blown fuse. Handle padlockable in open or closed position, with max 3 mm $\varnothing$ padlock. Fuses not included.

Technical accessories:



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

Description	Flange dimensions (mm)	Pins	Pitch	Type	Palazzoli code	Pack Qty
flange with 1 domestic socket type 2P+ $\overline{\text{N}}$ 10/16A P30/P17 230V	103x230	$\varnothing$ 4/4.8	19	P30/P17	579715	1

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



**Closing flange
for distribution boards
for topTER sockets with switch
IP66/IP67**

Dimensions (mm)	Palazzoli code	Pack Qty
103 x 230	579713	1

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



**Flange for mounting
2 sockets or 2 caps
in distribution boards
for topTER sockets with switch
IP66/IP67**

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

Equipment included: 1 finishing frame for compact sockets,

1 blind flange 65 x 83 mm.

4 stainless steel screws for fastening the item to the distribution board.

Technical accessories:



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**Flange for mounting
1 63A socket in distribution
boards for topTER interlocked
socket-outlets
IP66/IP67**

Dimensions (mm)	63A socket-outlet flange dimensions (mm)	Palazzoli code	Pack Qty
103 x 230	100 x 100	579717	1

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

Technical accessories:



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**Flange for mounting
3 international sockets 50x50
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 fastening the item to the distribution board.

Technical accessories:



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Distribution boards with transparent window
for the installation of topTER sockets with switch
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.



Distribution boards with transparent window
for the installation of 1 topTER socket-outlet with switch
IP66

	Installable sockets	Power dissipation (W)	Outer dimensions (mm)	Palazzoli code	Pack Qty
5 modules	1	22	122x395	579741	1

Features: padlockable modular door.

Technical accessories:



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Distribution boards with blind cover
for the installation of topTER sockets with switch
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



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.



Control unit for modular devices
with padlockable door
for wall-mounting

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

Technical accessories:



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**Bottom box
for wall-mounting
IP66/IP67**

Dimensions (mm)	For sockets type	Palazzoli code	Pack Qty
108 x 260	topTER sockets with switch	579710*	1

* this box can also be supplied in a heavy-duty HD version.
The order number is 579720.

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
131 x 258	topTER sockets with switch	579712	1

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



**Bottom box
for flush-mounting
IP66/IP67**

Dimensions (mm)	For sockets type	Palazzoli code	Pack Qty
115 x 270	topTER sockets with switch	579711	1

Equipment included: screw cover caps for double insulation.

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



**Box with cover
for flush-mounting
IP56**

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

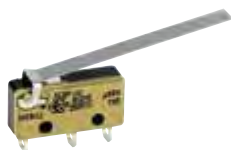


**Control unit
for panel-mounting
IP56**

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

Equipment included: 2 modular covers, code 579904.

Features: padlockable modular door.



Auxiliary contact NO+NC
for plug inserted signal

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 and ULYSSE distribution boards TAIS and TAIS CUBE	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



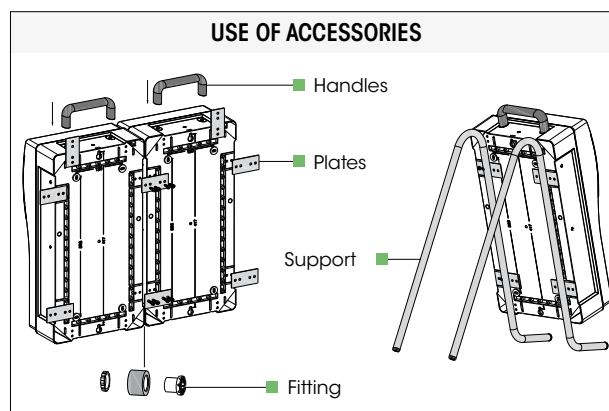
Pair of stainless steel plates
for wall-mounting of topTER
and PRIMA distribution boards

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





Compliance with standards	IEC/EN 60309-1 IEC/EN 60309-2 IEC/EN 60309-4 IEC/EN 60947-3
Material	Thermoplastic
Protection rating (IP according to IEC/EN 60529)	IP65
Colour	RAL7035
Resistance to abnormal heat and fire ("Glow Wire" according to IEC/EN 60695-2-10)	960°C (switch) 950°C (socket insert) 850°C (socket body)
Flammability rating (according to UL94)	V0 (switch) V2 (socket insert) V2 (socket body)
Impact resistance (IK grade according to IEC/EN 62262)	IK08
Rated current	63A
Operating Voltage	110V - 400V
Operating frequency	50-60Hz
Insulation voltage	690V
Insulation class	II □
Pilot Contact	63A socket-outlets
Storage temperature	-30°C - +70°C
Operating temperature	-25°C - +50°C



Rated operating current:

			63A
Thermal current Ith		A	63
AC21A	415V	A	63
	500V		
AC22A	415V	A	63
	500V		
AC23A	230V	A	50
	400V		
	500V		
AC23A	230V	kW	12
	400V		21
	500V		28
AC3	230V	kW	10
	400V		17
	500V		22

Wiring data:

		63A
Entry cable sections	mm ²	10 - 35
Tightening torque	Nm	3

Interlocked socket-outlets for distribution boards 50-60Hz IP65



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

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

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



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

Equipment included: 6 stainless steel screws for fastening the item to the distribution board or box.
Features: padlockable handle. 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 sockets
- perfect cleaning of the pin
- a solid and long-lasting electrical contact



**Flange for mounting
2 topTER sockets
or domoTER caps
IP55**

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

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



**Closing flange
IP55**

Dimensions (mm)	For sockets type	Palazzoli code	Pack Qty
115x290	interlocked with 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 sockets
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 mounting switched sockets
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.



**Bottom box
for mounting 1 63A
interlocked socket-outlet
for wall-mounting
IP55**

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

Equipment included: screw cover caps for double insulation.



**Bottom box
for wall-mounting
of one 63A socket
IP55**

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

Equipment included: screw cover caps for double insulation.

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

PRIMA



**FUSE
GUARD**



PRIMA

One size for all versions, with or without fuses,
protected and watertight



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



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

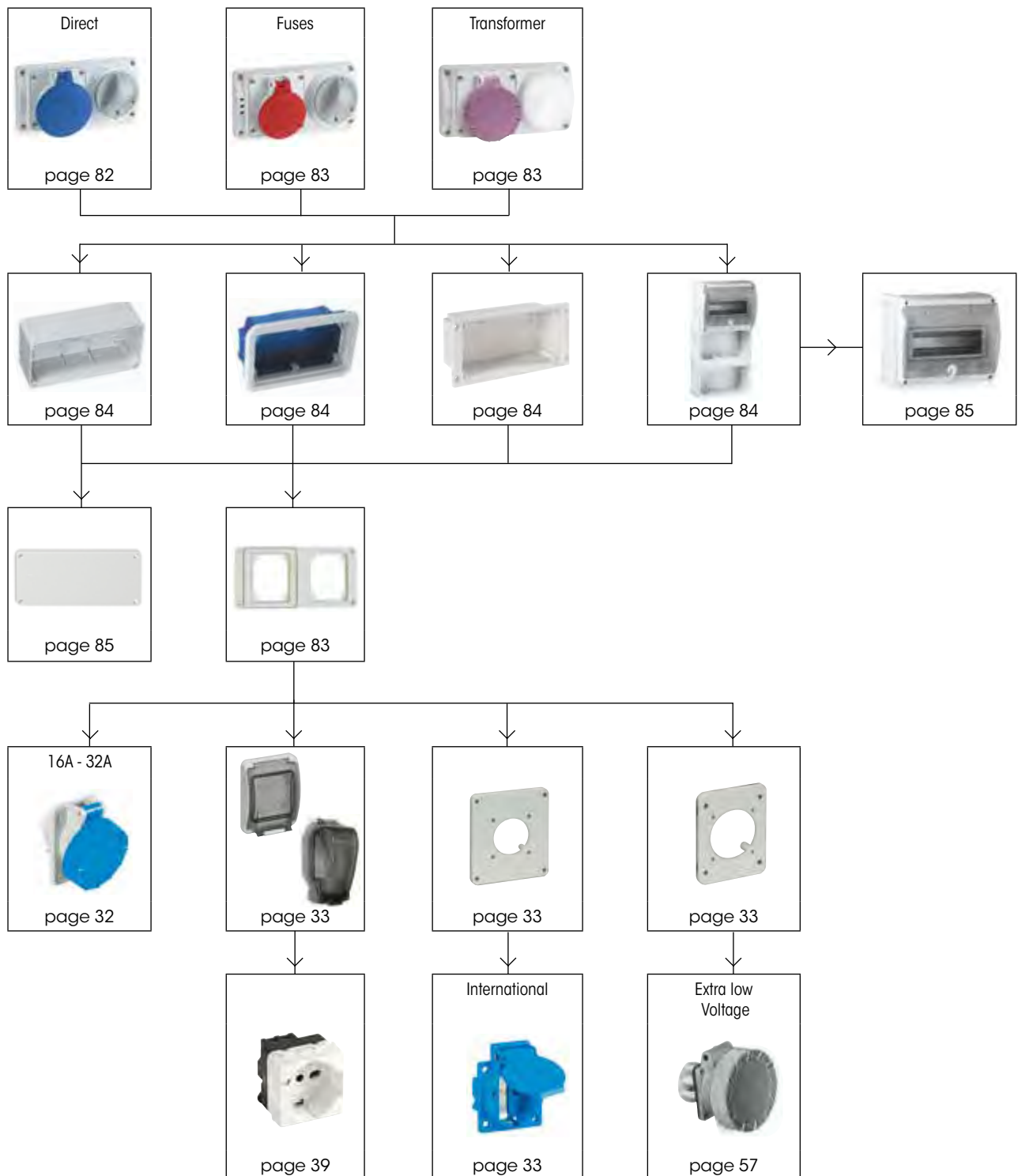


PRIMA is the only system of horizontal sockets to incorporate absolute safety technologies, such as a steel interlock mechanism and an AC3-AC23A class isolator switch at rated current.



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

Suitable for use in the service sector, in places like hypermarkets, hotels, meeting places, offices, industrial ironing facilities and public entertainment venues.



The Easy Composer software which enables to easily create customised distribution boards
is available on the www.palazzoli.com website.



The industrial low voltage interlocked socket-outlets of the PRIMA series are a range of products made in technopolymer for standard applications, that comply with the IEC/EN 60309-1, IEC/EN 60309-2 and IEC/EN 60309-4 standards.

The system includes 16A and 32A versions, with and without fuses, with IP44 and IP55 protection ratings and a 24V version with safety transformer.

Sockets with fuses feature a "fuse guard" system that allows to identify in real time the phase where the protection has tripped by means of signalling lamps. The fuses are located at the back of the socket to prevent possible interventions by unqualified personnel, particularly in places open to the public. The interlock system is made with a steel bracket and the switch disconnecter is certified in the AC3-AC23A category at rated current. The range is completed by wall-mounted and flush-mounted boxes and modular distribution boards.

Rated operating current:

			16A	32A
Thermal current I _{th}		A	16	32
AC21A	415V	A	16	32
	500V			
AC22A	415V	A	16	32
	500V			
AC23A	230V	A	16	32
	400V			
	500V			
AC23A	230V	kW	4.5	8.5
	400V		7.5	15
	500V		8.5	17
AC3	230V	kW	4.5	8.5
	400V		7.5	15
	500V		8.5	17

Wiring data:

		16A	32A
Entry cable sections	mm ²	1 - 10	
Tightening torque	Nm	2	

Compliance
with standards

IEC/EN 60309-1
IEC/EN 60309-2
IEC/EN 60309-4
IEC/EN 60947-3

Material **Thermoplastic**

Protection rating
(IP according to
IEC/EN 60529) **IP44 - IP55**

Colour **RAL7035**

Resistance to abnormal
heat and fire ("Glow Wire"
according to
IEC/EN 60695-2-10) **960°C (switch)**
850°C (socket insert)
650°C (socket body)

Flammability rating
(according to UL94) **V0 (switch)**
V2 (socket insert)
HB (socket body)

Impact resistance
(IK grade according to
IEC/EN 62262) **IK08**

Rated
current **16A - 32A**

Operating
voltage **24V - 440V**

Operating
frequency **50-60Hz**

Insulation
voltage **690V**

Insulation
class **II □**

Storage
temperature **-30°C - +70°C**

Operating
temperature **-25°C - +50°C**



Resistance to chemical agents

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

Legend: ↑ high resistance → partial resistance ↓ low resistance



Interlocked socket-outlets
for distribution boards
50-60Hz **IP44**

Rated current (A)	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	110V	Yellow	2P+ $\overline{\text{N}}$	4	493124	1
	230V	Blue	2P+ $\overline{\text{N}}$	6	493126	1
	400V	Red	3P+ $\overline{\text{N}}$	6	493136	1
	400V	Red	3P+N+ $\overline{\text{N}}$	6	493146	1
32	230V	Blue	2P+ $\overline{\text{N}}$	6	493226	1
	400V	Red	3P+ $\overline{\text{N}}$	6	493236	1
	400V	Red	3P+N+ $\overline{\text{N}}$	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. Fuses not included.

Technical accessories:



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Interlocked socket-outlets
with **fuse holder base**
for distribution boards
50-60Hz **IP44**

Rated current (A)	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 fuses 10.3x38	110V	Yellow	2P+ $\overline{\text{N}}$	4	494124	1
	230V	Blue	2P+ $\overline{\text{N}}$	6	494126	1
	400V	Red	3P+ $\overline{\text{N}}$	6	494136	1
	400V	Red	3P+N+ $\overline{\text{N}}$	6	494146	1
32 fuses 10.3x38	230V	Blue	2P+ $\overline{\text{N}}$	6	494226	1
	400V	Red	3P+ $\overline{\text{N}}$	6	494236	1
	400V	Red	3P+N+ $\overline{\text{N}}$	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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CUSTOMISED SOLUTIONS



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**



**Interlocked socket-outlets
for distribution boards
50-60Hz IP55**

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

* these sockets can also be supplied in a heavy duty HD version for wall-mounting. For the code number, replace the 495xxx prefix with 497xxx (e.g. from 495124 to 497124). See page 84 for the code number of the box.

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

Features: the handle can be padlocked in the open or closed position with max 3 mm Ø padlock.

Technical accessories:



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**Socket with safety transformer
(SELV) for distribution boards
50-60Hz IP55**

Rated current (A)	Rated voltage	Poles	Power (VA)	Palazzoli code	Pack Qty
16	230/24V~	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:



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**Interlocked socket-outlets
with fuse holder base
for distribution boards
50-60Hz IP55**

Rated current (A)	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 fuses 10.3x38	110V	Yellow	2P+⏏	4	496124	1
	110V	Yellow	3P+⏏	4	496134	1
	110V	Yellow	3P+N+⏏	4	496144	1
	230V	Blue	2P+⏏	6	496126	1
	230V	Blue	3P+⏏	9	496139	1
	230V	Blue	3P+N+⏏	9	496149	1
	400V	Red	2P+⏏	9	496129	1
	400V	Red	3P+⏏	6	496136	1
	400V	Red	3P+N+⏏	6	496146	1
32 fuses 10.3x38	110V	Yellow	2P+⏏	4	496224	1
	110V	Yellow	3P+⏏	4	496234	1
	110V	Yellow	3P+N+⏏	4	496244	1
	230V	Blue	2P+⏏	6	496226	1
	230V	Blue	3P+⏏	9	496239	1
	230V	Blue	3P+N+⏏	9	496249	1
	400V	Red	2P+⏏	9	496229	1
	400V	Red	3P+⏏	6	496236	1
	400V	Red	3P+N+⏏	6	496246	1
	380/440V	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:



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**Flange for mounting 2 topTER
sockets or 2 domoTER caps
IP55**

Total installable devices	Max no. with flange 65x83	Max no. with flange 88x100	Palazzoli code	Pack Qty
2	2	1	579718	1

Equipment included: 4 stainless steel screws for fastening the item to the distribution board. Finishing frames for compact sockets. 1 blind flange 65x83mm.

Technical accessories:



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Distribution boards
for mounting 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:



Bottom box
for wall-mounting
IP55

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

* this box can also be supplied in a heavy-duty HD version.
The Code Number is 579700.

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 sockets with 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 flush-mounting
IP55

Dimensions (mm)	For sockets type	Palazzoli code	Pack Qty
115x240	PRIMA sockets with switch	575501	1

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



9 modules



Control unit
for modular devices
for wall-mounting
IP55

Description	Power dissipation (W)	Dimensions (mm)	Palazzoli code	Pack Qty
with 9 module transparent window	36	212x174	579612	1

Equipment included: 2 modular covers, code 579904. Screw cover caps for double insulation.

Features: padlockable modular door.



Coupling fitting
with Pg threading for topTER
and PRIMA 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 sockets

Description	Palazzoli code	Pack Qty
a horizontal divider and a vertical divider with friction mounting	579591	1

X-CEE





X-CEE

The only interlocked mobile socket to safely distribute electric energy anywhere



The plug is plugged into the socket that is not powered: the switch snaps automatically when the safety ring is turned counterclockwise, therefore energy is drawn in total safety.



To remove the plug, the safety ring must be rotated clockwise. This will cause the switch to cut off the power supply from the socket, enabling the plug to be pulled out in total safety.



Simplicity is found in the smart cable gland that makes the X-CEE 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.



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.

Suitable for field plants, building sites, major events, markets, amusement areas, cultural events, exhibition centres, public places, quarries, mines, agricultural and food industry, marinas, commercial ports and shipyards, in external embedded boxes, distribution boards, mobile distribution boards, automation boards.



Socket-outlets with isolator switch, safety performance, compliant with IEC/EN 60309-1, IEC/EN 60309-2 and IEC/EN 60309-4 standards. The quality of the materials, the terminals with cage clamps throughout the range, the broad entry cable clamping, the total protection rating, the resistance to impacts and crushing make this range suitable for use in the harshest environments.

Moreover, the range distinguishes itself for its simplicity of use: easy cable clamping, possibility of use in suspension, absence of screws to secure the grips, ergonomics of shapes. Versions not available directly with a code in the catalogue can be realised by composing the plug insert with the grip or flange to achieve the desired configuration.

The interlock system is made with reinforced technopolymer elements and the switch disconnecter is certified to the AC-23A category.

The mobile rotoswitches guarantee safety for the operators in any work environment.

Rated operating current:

			16A	32A	63A	125A
Thermal current I _{th}		A	16	32	63	125
AC21A		A	16	32	63	125
AC22A		A	16	32	63	125
AC23A		A	16	32	63	125
AC23A	230V	kW	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	Entry cable diameter (mm)	Cable cross-section range (mm ²)
16	2P+⊕	6.3 - 18	1 - 10
	3P+⊕		
	3P+N+⊕	9 - 23	
32	2P+⊕	9 - 23	1 - 10
	3P+⊕		
	3P+N+⊕	13 - 27	
63	2P+⊕	14 - 36	6 - 25
	3P+⊕		
	3P+N+⊕		
125	2P+⊕	16 - 50	16 - 70
	3P+⊕		
	3P+N+⊕		

Compliance with standards	IEC/EN 60309-1 IEC/EN 60309-2 IEC/EN 60309-4 IEC/EN 60947-3
Casing material	Reinforced technopolymer
Protection rating (IP according to IEC/EN 60529)	IP66/IP67/IP69 (see page 46)
Colour	RAL 7046 Grey, RAL 5015 Blue
Receptacle material	Solid nickel-plated brass
Resistance to abnormal heat and fire ("Glow wire" according to IEC/EN 60695-2-10)	960°C (wire terminal block) 850°C (casings)
Flammability rating (according to UL94)	V0 (wire terminal block) V2 (casings)
Impact resistance (IK grade according to IEC/EN 62262)	IK10
Resistance to crushing	> 500Kg
Rated current	16A - 32A - 63A - 125A
Operating voltage	50V - 690V
Utilisation category	AC-23A
Operating frequency	50Hz - 60Hz
Insulation voltage	690V
Pilot contact	63A and 125A plugs and socket-outlets
Storage temperature	-50°C - +90°C
Operating temperature	-40°C - +60°C

**Resistance to chemical agents**

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

Legend: ↑ high resistance → partial resistance ↓ low resistance



Rotoswitched couplers
50-60Hz
IP66/IP67/IP69

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



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Straight panel-mounted rotoswitched sockets
50-60Hz
IP66/IP67/IP69

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



20° angled panel-mounted rotoswitched sockets
50-60Hz
IP66/IP67/IP69

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



65° angled wall-mounted rotoswitched sockets
50-60Hz
IP66/IP67/IP69

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

Common 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.



Rotoswitched sockets
IP66/IP67/IP69

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	50-60Hz	110V	Yellow	2P+⏏	4	419124	1
	50-60Hz	110V	Yellow	3P+⏏	4	419134	1
	50-60Hz	110V	Yellow	3P+N+⏏	4	419144	1
	50-60Hz	220V	Blue	2P+⏏	6	419126	1
	50-60Hz	220V	Blue	3P+⏏	9	419139	1
	50-60Hz	220V	Blue	3P+N+⏏	9	419149	1
	50-60Hz	400V	Red	2P+⏏	9	419129	1
	50-60Hz	400V	Red	3P+⏏	6	419136	1
	50-60Hz	400V	Red	3P+N+⏏	6	419146	1
	50-60Hz	500V	Black	2P+⏏	7	419127	1
	50-60Hz	500V	Black	3P+⏏	7	419137	1
	50-60Hz	500V	Black	3P+N+⏏	7	419147	1
	50-60Hz	690V	Black	3P+⏏	5	419135	1
	50-60Hz	690V	Black	3P+N+⏏	5	419145	1
	DC	>250V	Grey	2P+⏏	8	419121	1
	100-300Hz	>50V	Green	2P+⏏	10	419120	1
	100-300Hz	>50V	Green	3P+⏏	10	419130	1
	100-300Hz	>50V	Green	3P+N+⏏	10	419140	1
	60Hz	440-460V	Red	3P+⏏	11	419131	1
	60Hz	440-460V	Red	3P+N+⏏	11	419141	1
	50-60Hz	>50V	Grey	2P+⏏	12	419128	1
	50-60Hz	>50V	Grey	3P+⏏	12	419138	1
	300-500Hz	>50V	Green	2P+⏏	2	419122	1
	300-500Hz	>50V	Green	3P+⏏	2	419132	1
	300-500Hz	>50V	Green	3P+N+⏏	2	419142	1
	DC	>50-250V	Grey	2P+⏏	3	419123	1
	50-60Hz	380-440V	Red	3P+⏏	3	419133	1
	50-60Hz	380-440V	Red	3P+N+⏏	3	419143	1
32	50-60Hz	110V	Yellow	2P+⏏	4	419224	1
	50-60Hz	110V	Yellow	3P+⏏	4	419234	1
	50-60Hz	110V	Yellow	3P+N+⏏	4	419244	1
	50-60Hz	220V	Blue	2P+⏏	6	419226	1
	50-60Hz	220V	Blue	3P+⏏	9	419239	1
	50-60Hz	220V	Blue	3P+N+⏏	9	419249	1
	50-60Hz	400V	Red	2P+⏏	9	419229	1
	50-60Hz	400V	Red	3P+⏏	6	419236	1
	50-60Hz	400V	Red	3P+N+⏏	6	419246	1
	50-60Hz	500V	Black	2P+⏏	7	419227	1
	50-60Hz	500V	Black	3P+⏏	7	419237	1
	50-60Hz	500V	Black	3P+N+⏏	7	419247	1
	50-60Hz	690V	Black	3P+⏏	5	419235	1
	50-60Hz	690V	Black	3P+N+⏏	5	419245	1
	DC	>250V	Grey	2P+⏏	8	419221	1
	100-300Hz	>50V	Green	2P+⏏	10	419220	1
	100-300Hz	>50V	Green	3P+⏏	10	419230	1
	100-300Hz	>50V	Green	3P+N+⏏	10	419240	1
	60Hz	440-460V	Red	3P+⏏	11	419231	1
	60Hz	440-460V	Red	3P+N+⏏	11	419241	1
	50-60Hz	>50V	Grey	2P+⏏	12	419228	1
	50-60Hz	>50V	Grey	3P+⏏	12	419238	1
	300-500Hz	>50V	Green	2P+⏏	2	419222	1
	300-500Hz	>50V	Green	3P+⏏	2	419232	1
	300-500Hz	>50V	Green	3P+N+⏏	2	419242	1
	DC	>50-250V	Grey	2P+⏏	3	419223	1
	50-60Hz	380-440V	Red	3P+⏏	3	419233	1
	50-60Hz	380-440V	Red	3P+N+⏏	3	419243	1

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63	50-60Hz	110V	Yellow	2P+⏏	4	419324	1
	50-60Hz	110V	Yellow	3P+⏏	4	419334	1
	50-60Hz	110V	Yellow	3P+N+⏏	4	419344	1
	50-60Hz	220V	Blue	2P+⏏	6	419326	1
	50-60Hz	220V	Blue	3P+⏏	9	419339	1
	50-60Hz	220V	Blue	3P+N+⏏	9	419349	1
	50-60Hz	400V	Red	2P+⏏	9	419329	1
	50-60Hz	400V	Red	3P+⏏	6	419336	1
	50-60Hz	400V	Red	3P+N+⏏	6	419346	1
	50-60Hz	500V	Black	2P+⏏	7	419327	1
	50-60Hz	500V	Black	3P+⏏	7	419337	1
	50-60Hz	500V	Black	3P+N+⏏	7	419347	1
	50-60Hz	690V	Black	3P+⏏	5	419335	1
	50-60Hz	690V	Black	3P+N+⏏	5	419345	1
	DC	>250V	Grey	2P+⏏	8	419321	1
	100-300Hz	>50V	Green	2P+⏏	10	419320	1
	100-300Hz	>50V	Green	3P+⏏	10	419330	1
	100-300Hz	>50V	Green	3P+N+⏏	10	419340	1
	60Hz	440-460V	Red	3P+⏏	11	419331	1
	60Hz	440-460V	Red	3P+N+⏏	11	419341	1
	50-60Hz	>50V	Grey	2P+⏏	12	419328	1
	50-60Hz	>50V	Grey	3P+⏏	12	419338	1
	300-500Hz	>50V	Green	2P+⏏	2	419322	1
	300-500Hz	>50V	Green	3P+⏏	2	419332	1
	300-500Hz	>50V	Green	3P+N+⏏	2	419342	1
	DC	>50-250V	Grey	2P+⏏	3	419323	1
	50-60Hz	380-440V	Red	3P+⏏	3	419333	1
	50-60Hz	380-440V	Red	3P+N+⏏	3	419343	1
125	50-60Hz	110V	Yellow	2P+⏏	4	419424	1
	50-60Hz	110V	Yellow	3P+⏏	4	419434	1
	50-60Hz	110V	Yellow	3P+N+⏏	4	419444	1
	50-60Hz	220V	Blue	2P+⏏	6	419426	1
	50-60Hz	220V	Blue	3P+⏏	9	419439	1
	50-60Hz	220V	Blue	3P+N+⏏	9	419449	1
	50-60Hz	400V	Red	2P+⏏	9	419429	1
	50-60Hz	400V	Red	3P+⏏	6	419436	1
	50-60Hz	400V	Red	3P+N+⏏	6	419446	1
	50-60Hz	500V	Black	2P+⏏	7	419427	1
	50-60Hz	500V	Black	3P+⏏	7	419437	1
	50-60Hz	500V	Black	3P+N+⏏	7	419447	1
	50-60Hz	690V	Black	3P+⏏	5	419435	1
	50-60Hz	690V	Black	3P+N+⏏	5	419445	1
	DC	>250V	Grey	2P+⏏	8	419421	1
	100-300Hz	>50V	Green	2P+⏏	10	419420	1
	100-300Hz	>50V	Green	3P+⏏	10	419430	1
	100-300Hz	>50V	Green	3P+N+⏏	10	419440	1
	60Hz	440-460V	Red	3P+⏏	11	419431	1
	60Hz	440-460V	Red	3P+N+⏏	11	419441	1
	50-60Hz	>50V	Grey	2P+⏏	12	419428	1
	50-60Hz	>50V	Grey	3P+⏏	12	419438	1
	300-500Hz	>50V	Green	2P+⏏	2	419422	1
	300-500Hz	>50V	Green	3P+⏏	2	419432	1
	300-500Hz	>50V	Green	3P+N+⏏	2	419442	1
	DC	>50-250V	Grey	2P+⏏	3	419423	1
	50-60Hz	380-440V	Red	3P+⏏	3	419433	1
	50-60Hz	380-440V	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.



Handles
IP66/IP67/IP68/IP69

Rated current (A)	Poles	Entry cable diameter (mm)	Palazzoli code	Pack Qty
16	2P+ $\neq$	6.3 - 18	419001	5
	3P+ $\neq$	6.3 - 18	419002	5
	3P+N+ $\neq$	9 - 23	419003	5
32	2P+ $\neq$ / 3P+ $\neq$	9 - 23		5
	3P+N+ $\neq$	13 - 27	419004	5
63	2P+ $\neq$ / 3P+ $\neq$ / 3P+N+ $\neq$	14 - 36	419005	5
125	2P+ $\neq$ / 3P+ $\neq$ / 3P+N+ $\neq$	16 - 50	419006	5



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

Rated current (A)	Poles	Flange dimensions (mm)	Palazzoli code	Pack Qty
16	2P+ $\neq$	65x83	419021	5
	3P+ $\neq$	65x83	419022	5
	3P+N+ $\neq$	65x83	419023	5
32	2P+ $\neq$ / 3P+ $\neq$	65x83		5
	3P+N+ $\neq$	100x108	419024	5
63	2P+ $\neq$ / 3P+ $\neq$ / 3P+N+ $\neq$	100 x 108	419025	5
125	2P+ $\neq$ / 3P+ $\neq$ / 3P+N+ $\neq$	114x114	419026	5



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

Rated current (A)	Poles	Flange dimensions (mm)	Palazzoli code	Pack Qty
16	2P+ $\neq$	65x83	419031	5
	3P+ $\neq$	65x83	419032	5
	3P+N+ $\neq$	65x83	419033	5
32	2P+ $\neq$ / 3P+ $\neq$	65x83		5
	3P+N+ $\neq$	100x108	419034	5
63	2P+ $\neq$ / 3P+ $\neq$ / 3P+N+ $\neq$	100x108	419035	5
125	2P+ $\neq$ / 3P+ $\neq$ / 3P+N+ $\neq$	114x114	419036	5



Padlock for rotoswitched sockets

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

Uses: the padlock prevents the safety ring from turning.



65° angled wall-mounted boxes
modular with TAIS system
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 single gang boxes
modular with TAIS system
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 double gang boxes
modular with TAIS system
IP66/IP67/IP68/IP69

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

The most complete range of interlocked socket-outlets and isolator switches. Once installed, they last forever



All products of the TAIS series are made in Palazzoli thermosetting GRP, a material that does not propagate flame, does not produce toxic gases, is resistant to chemicals over time and is as non-deformable as metal.



The "heart" of TAIS is an isolator switch of the AC3-AC23A category at rated current that allows a safe operation even with highly inductive loads.

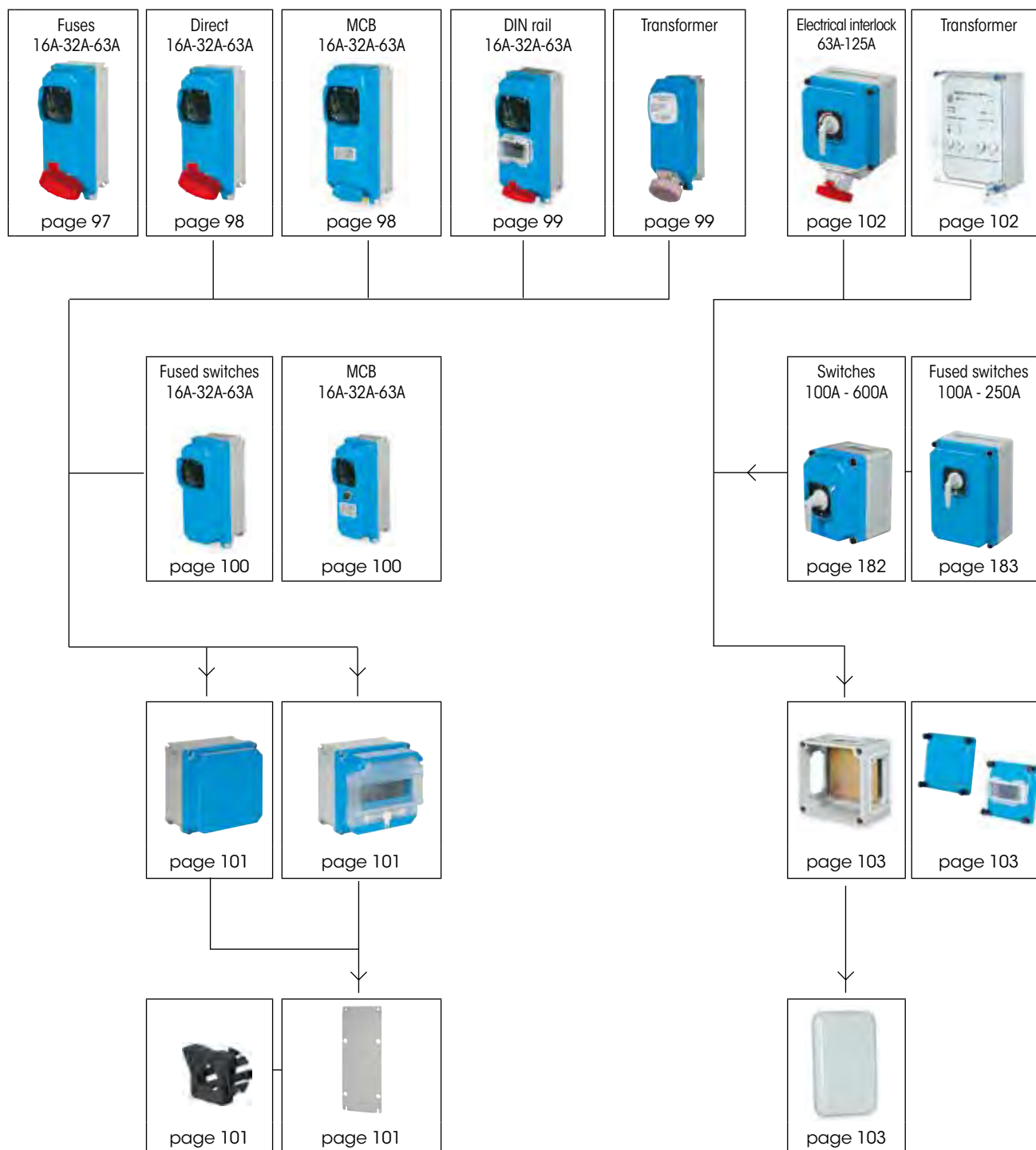


The fuse holder base and the interlock system are tightly fitted to the bottom of each socket and are composed of ceramic and steel that ensure maximum safety.



The TAIS features an exclusive patented handle that allows you to identify the switch status even from a long distance. The handle can be padlocked in position 0 and 1.

Suitable for use in cellars, port areas, airports, containers, cold storage and industrial plants.



The Easy Composer software which enables to easily create customised distribution boards
is available on the www.palazzoli.com website.

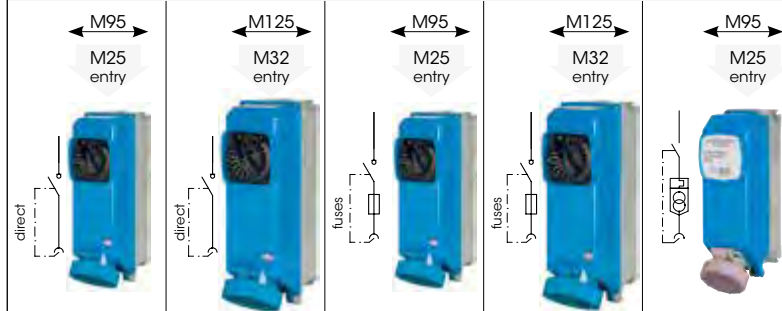


COUPLING FITTINGS



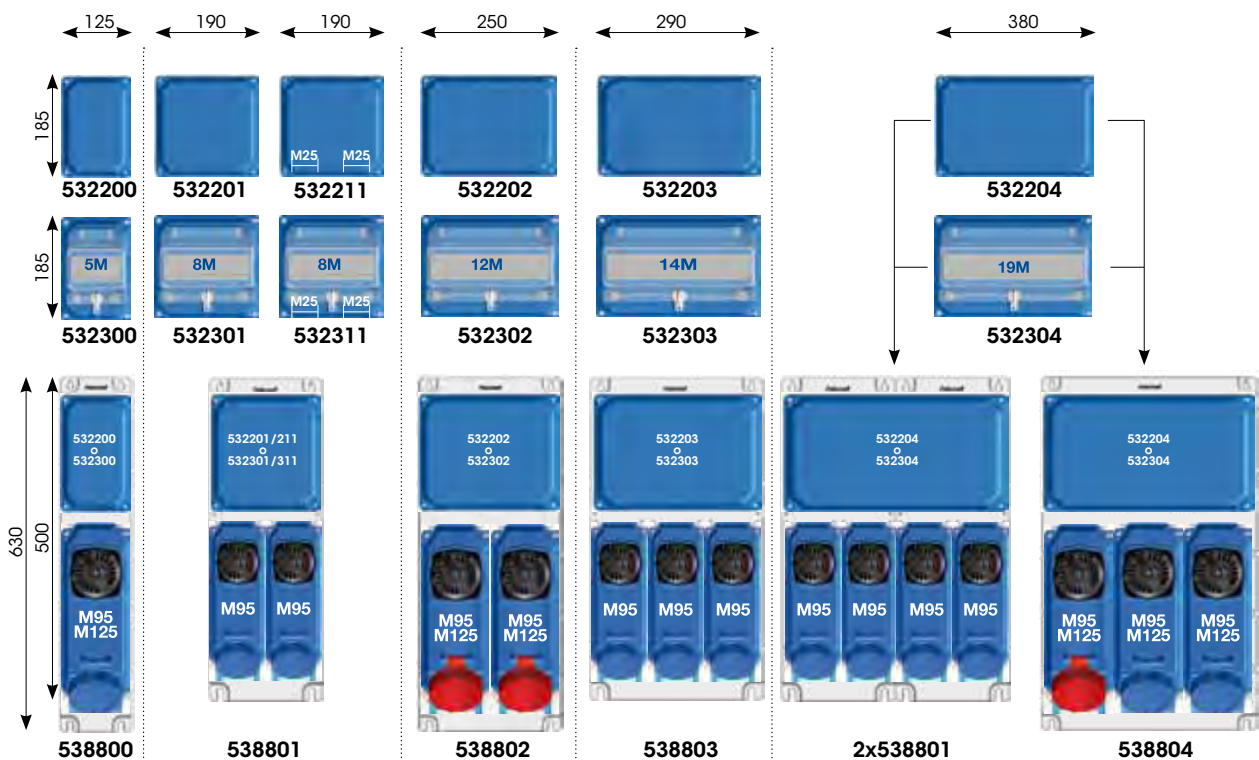
M25 **538425**
M32 **538432**

THE MOST COMMONLY USED INTERLOCKED SOCKET-OUTLETS



16A	230V	2P+⏏	470126		472620	
	400V	3P+⏏	470136		472730	
	400V	3P+N+⏏	470146		472830	
32A	230V	2P+⏏	469226		468226	
	400V	3P+⏏	469236		468236	
	400V	3P+N+⏏		470246		472831
63A	400V	3P+⏏		470336		472732
	400V	3P+N+⏏		470346		472832
16A	24V	2P 150 VA				469873

COMPOSITIONS





The industrial low voltage interlocked socket-outlets of the TAIS series are a range of products made in Palazzoli thermosetting GRP for heavy-duty applications, that comply with the IEC/EN 60309-1, IEC/EN 60309-2 and IEC/EN 60309-4 standards.

The system includes versions from 16A to 125A, with or without fuses, with MCB or with DIN rail that can be fitted with modular devices and with electrical interlock. The sockets feature a IP67 or IP66/IP67 protection rating and can be combined in compositions using the appropriate blind or transparent boxes. Versions above 32A feature Easy Contact receptacles for maximum contact performance over time and easier connection and disconnection operations.

The circuit protections, the fuses located in ceramic bases and the MCBs fixed on rail, are tightly fixed to the bottom of the socket and are accessible by opening the front lid in thermosetting GRP material. The interlock system is made with a steel bracket while the switch disconnecter is certified to the AC3-AC23A category at rated current.

Rated operating current:

			16A	32A	63A
Thermal current I _{th}		A	16	32	63
AC21A	415V	A	16	32	63
	500V				
AC22A	415V	A	16	32	63
	500V				
AC23A	230V	A	16	32	63
	400V				
	500V				
AC23A	230V	kW	4.5	8.5	20
	400V		7.5	15	34
	500V		8.5	17	44
AC3	230V	kW	4.5	8.5	18
	400V		7.5	15	31
	500V		8.5	17	40

Wiring data:

		16A	32A	63A
Entry cable sections	mm ²	1 - 10		6 - 16
Tightening torque	Nm	2		

Compliance with standards

IEC/EN 60309-1
IEC/EN 60309-2
IEC/EN 60309-4
IEC/EN 60947-3

Material

Palazzoli thermosetting GRPProtection rating
(IP according to IEC/EN 60529)

IP66/IP67 (Module 95)
IP67 (Module 125-250)

Colour

RAL5015 (cover)
RAL7042 (base)

Resistance to abnormal heat and fire ("Glow Wire" according to IEC/EN 60695-2-10)

960°C

Flammability rating (according to UL94)

V0

Impact resistance (IK grade according to IEC/EN 62262)

IK10

Rated current

16A - 32A - 63A - 125A

Operating voltage

24V - 690V

Operating frequency

50-60Hz

Insulation voltage

690V

Insulation class

II □

Storage temperature

-50°C - +80°C

Operating temperature

-25°C - +50°C**Resistance to chemical agents**

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

Legend: ↑ high resistance → partial resistance



MODULE 95



**Modular interlocked
socket-outlets**
in thermosetting GRP
with **fuse holder base**
for wall-mounting
IP66/IP67

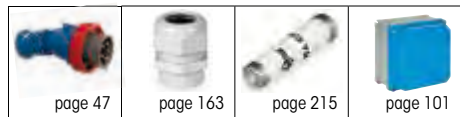
Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	50-60Hz	110V	Yellow	2P+⊕	4	472610	1
	50-60Hz	110V	Yellow	3P+⊕	4	472710	1
	50-60Hz	110V	Yellow	3P+N+⊕	4	472810	1
	50-60Hz	230V	Blue	2P+⊕	6	472620	1
	50-60Hz	230V	Blue	3P+⊕	9	472720	1
	50-60Hz	230V	Blue	3P+N+⊕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

* For isolation transformer

Features: the handle can be padlocked. Fuses not included.

Notes: special configurations on request.

Technical accessories:



MODULE 125



**Modular interlocked
socket-outlets in thermosetting
GRP with fuse holder base**
for wall-mounting
IP67



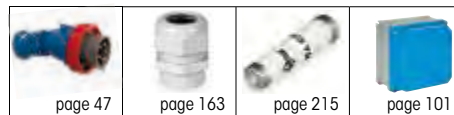
Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
32	50-60Hz	110V	Yellow	2P+⊕	4	472611	1
	50-60Hz	110V	Yellow	3P+⊕	4	472711	1
	50-60Hz	110V	Yellow	3P+N+⊕	4	472811	1
	50-60Hz	230V	Blue	2P+⊕	6	472621	1
	50-60Hz	230V	Blue	3P+⊕	9	472721	1
	50-60Hz	230V	Blue	3P+N+⊕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

* For isolation transformer

Features: the handle can be padlocked. Fuses not included.

Notes: special configurations on request.

Technical accessories:



Module 125 sockets are designed for possible entry from bottom side



MODULE 125



**Modular interlocked
socket-outlets**
in thermosetting GRP
with MCB for wall-mounting
IP67



Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 entry M25 Switch 4.5kA curve C	50-60Hz	110V	Yellow	2P+⏏	4	474210	1
	50-60Hz	110V	Yellow	3P+⏏	4	474310	1
	50-60Hz	110V	Yellow	3P+N+⏏	4	474410	1
	50-60Hz	230V	Blue	2P+⏏	6	474220	1
	50-60Hz	230V	Blue	3P+⏏	9	474320	1
	50-60Hz	230V	Blue	3P+N+⏏	9	474420	1
	50-60Hz	400V	Red	2P+⏏	9	474230	1
	50-60Hz	400V	Red	3P+⏏	6	474330	1
	50-60Hz	400V	Red	3P+N+⏏	6	474430	1
	60Hz	440-460V	Red	3P+⏏	11	474340	1
60Hz	440-460V	Red	3P+N+⏏	11	474450	1	
32 M32 entry Switch 6kA curve C	50-60Hz	110V	Yellow	2P+⏏	4	474611	1
	50-60Hz	110V	Yellow	3P+⏏	4	474711	1
	50-60Hz	110V	Yellow	3P+N+⏏	4	474811	1
	50-60Hz	230V	Blue	2P+⏏	6	474621	1
	50-60Hz	230V	Blue	3P+⏏	9	474721	1
	50-60Hz	230V	Blue	3P+N+⏏	9	474821	1
	50-60Hz	400V	Red	2P+⏏	9	474631	1
	50-60Hz	400V	Red	3P+⏏	6	474731	1
	50-60Hz	400V	Red	3P+N+⏏	6	474831	1
	60Hz	440-460V	Red	3P+⏏	11	474741	1
60Hz	440-460V	Red	3P+N+⏏	11	474851	1	
63 M32 entry switch 10kA curve C	50/60Hz	380/440V	Red	3P+⏏	3	474771	1
	50-60Hz	110V	Yellow	2P+⏏	4	474612	1
	50-60Hz	110V	Yellow	3P+⏏	4	474712	1
	50-60Hz	110V	Yellow	3P+N+⏏	4	474812	1
	50-60Hz	230V	Blue	2P+⏏	6	474622	1
	50-60Hz	230V	Blue	3P+⏏	9	474722	1
	50-60Hz	230V	Blue	3P+N+⏏	9	474822	1
	50-60Hz	400V	Red	2P+⏏	9	474632	1
	50-60Hz	400V	Red	3P+⏏	6	474732	1
	50-60Hz	400V	Red	3P+N+⏏	6	474832	1
60Hz	440-460V	Red	3P+⏏	11	474742	1	
60Hz	440-460V	Red	3P+N+⏏	11	474852	1	

Features: the handle can be padlocked. Voltage presence indicator.

Note: special configurations on request.

Technical accessories:



125

Module 125 sockets are designed for possible entry from bottom side

MODULE 95



**Modular interlocked
socket-outlets**
in thermosetting GRP
for wall-mounting
50-60Hz **IP66/IP67**

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

Features: the handle can be padlocked.

Note: special configurations on request.

MODULE 125



**Modular interlocked
socket-outlets**
in thermosetting GRP
for wall-mounting
50-60Hz **IP67**



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

Features: the handle can be padlocked.

Note: special configurations on request.

Technical accessories:



125

Module 125 sockets are designed for possible entry from bottom side



MODULE 125



Modular interlocked socket-outlets
in thermosetting GRP
with **DIN rail** for wall-mounting
50-60Hz **IP67**



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

Equipment included: all sockets are pre-wired up to the DIN rail.

Features: padlockable lid and with tamper-proof screw.

Notes: special configurations on request.

Technical accessories:



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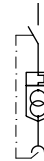


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MODULE 95



Modular sockets
in thermosetting GRP
with **safety transformer (SELV)**
for wall-mounting
50-60Hz **IP67**



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

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

MODULE 125



Modular sockets
in thermosetting GRP
with **safety transformer (SELV)**
for wall-mounting
50-60Hz **IP67**



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

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

Technical accessories:



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125

Module 125 sockets are designed for possible entry from bottom side



MODULE 95

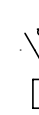


Switches in thermosetting GRP with **fuse-holder base** for wall-mounting **IP66/IP67**

Rated current (A)	Poles	Entry Exit	Palazzoli code	Pack Qty
16 fuses e16 NDZ	3P	M25	290163	1
	4P	M25	290164	1
32 fuses e16 NDZ	3P	M25	290323	1
	4P	M25	290324	1

Features: the handle can be padlocked. Fuses not included.

MODULE 125



Switches in thermosetting GRP with **fuse-holder base** for wall-mounting **IP67**

Rated current (A)	Poles	Entry Exit	Palazzoli code	Pack Qty
63 fuses E33 DIII	3P	M32	290762	1
	4P	M32	290763	1

Features: the handle can be padlocked. Fuses not included.

Technical accessories:



MODULE 125



MCBs in thermosetting GRP with **signalling lamp** for wall-mounting **IP67**

Rated current (A)	Poles	Entry Exit	Palazzoli code	Pack Qty
16 switch 4.5kA curve C	3P	M25	291163	1
	4P	M25	291164	1
32 switch 6kA curve C	3P	M32	291323	1
	4P	M32	291324	1
63 switch 10kA curve C	3P	M32	291633	1
	4P	M32	291634	1

Features: the handle can be padlocked.

Technical accessories:



EASY COMPOSER

Software for the design and quotation of boards in thermosetting GRP

TAIS



1. Select the socket type	2. Compose the distribution board	3. Calculate the cost and download the certificates

The software is a free web application available at www.palazzoli.com



TAIS series

Increased-safety interlocked socket-outlets

Palazzoli Thermosetting GRP
heavy-duty applications



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

Outer dimensions (mm)	Holes	Max. number of installable sockets		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.

Features: supplied with drilling template.

Notes: the following Palazzoli terminal blocks can be inserted into all boxes: 3x25mm², 4x16mm², 3x35mm², 4x25mm², 3x70mm², 4x35mm².



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

Outer dimensions (mm)	Holes	Max. number of installable sockets		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.

Features: supplied with drilling template. 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.



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.



Mounting plates in thermosetting GRP with **guided system** for composition of socket boards

Outer dimensions (mm)	Max. number of installable sockets		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 fastening.



Coupling fitting for mounting plates

For mounting plate code	Palazzoli code	Pack Qty
538800, 538801, 538802, 538803, 538804 538703, 538711, 538712	538791	50

Uses: these snap-on devices are fixed into their housings on the base plates for interlocked socket-outlets.



MODULE 250



Socket-outlets
in thermosetting GRP
with **electrical interlock**
and **MCCB** for wall-mounting
50-60Hz **IP67**



Rated current (A)	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63 window b	400V	●	3P+ $\frac{\Delta}{\Delta}$	6	478336	1
	400V	●	3P+N+ $\frac{\Delta}{\Delta}$	6	478346	1
	500V	●	3P+ $\frac{\Delta}{\Delta}$	7	478337	1
	500V	●	3P+N+ $\frac{\Delta}{\Delta}$	7	478347	1
125 window b	400V	●	3P+ $\frac{\Delta}{\Delta}$	6	478436	1
	400V	●	3P+N+ $\frac{\Delta}{\Delta}$	6	478446	1
	500V	●	3P+ $\frac{\Delta}{\Delta}$	7	478437	1
	500V	●	3P+N+ $\frac{\Delta}{\Delta}$	7	478447	1

Features: complete with pilot contact used for the electrical interlock.
Sealable screws.

MODULE 250



Modular socket-outlets
in thermosetting GRP
with **electrical interlock**
MCCB and **RCD**
for wall-mounting
50-60Hz **IP67**



Rated current (A)	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63 window b	400V	●	3P+ $\frac{\Delta}{\Delta}$	6	476336	1
	400V	●	3P+N+ $\frac{\Delta}{\Delta}$	6	476346	1
	500V	●	3P+ $\frac{\Delta}{\Delta}$	7	476337	1
	500V	●	3P+N+ $\frac{\Delta}{\Delta}$	7	476347	1
125 window b	400V	●	3P+ $\frac{\Delta}{\Delta}$	6	476436	1
	400V	●	3P+N+ $\frac{\Delta}{\Delta}$	6	476446	1
	500V	●	3P+ $\frac{\Delta}{\Delta}$	7	476437	1
	500V	●	3P+N+ $\frac{\Delta}{\Delta}$	7	476447	1

Features: complete with pilot contact used for the electrical interlock.
Sealable screws.

Technical accessories:



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MODULE 250



Modular sockets
in thermosetting GRP
with safety **transformer** (SELV)
for wall-mounting
50-60Hz **IP67**

Rated current (A)	Rated voltage	Poles	h ref.	Palazzoli code	Pack Qty
32 window b	230/48V~	2P	720	471819	1
	400/48V~	2P	720	471839	1

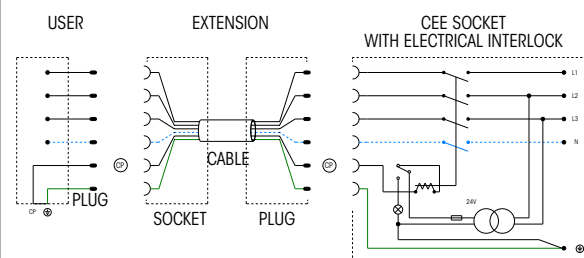
Features: continuous class II duty safety transformer enabled by the plug by means of microswitch.
Sealable screws.

Technical accessories:



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CONNECTING SCHEME



FEATURES OF THE ELECTRICALLY INTERLOCKED SOCKET PROTECTION

MCCB

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
Intervention threshold regulation
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



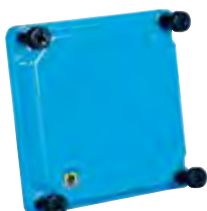
Boxes in thermosetting GRP
for composition
of socket boards
IP67

Outer dimensions (mm)	Window type	Installable socket module	Palazzoli code	Pack Qty
250x185x115		2x95/2x125	531220	1
		1 x Win. "b" 2x95/2x125/1x250	531221	1
		1 x Win. "b" 2x95/2x125/1x250	531331	1

Equipment included: back plate. Drilling template.

Notes: complete series at page 151.

Technical accessories:



Blind low covers
in thermosetting GRP
for TAIS Grande boxes
IP67

For boxes with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Qty
250x185	25	535321	1

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



Windowed covers
in polycarbonate
for TAIS Grande boxes
IP67

For boxes with dimensions (mm)	Lid height (mm)	No. of DIN modules	Palazzoli code	Pack Qty
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.



Flat blind flanges
in thermosetting GRP
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

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



Blind flanges raised
in thermosetting GRP
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

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:



Supports for bus bars
for TAIS boxes

Installable on windows type	Installable bus bars (mm)	Palazzoli code	Pack Qty
a	3 x 16x4 (16x5 - 20x4 - 20x5), 2 by 16x4 (earth and neutral), 3 of ø 9 (auxiliary circuits)	538180	1
b	3 of 25x5 (25x6 - 32x5 - 32x6), 2 of 25x5 (earth and neutral) 3 of ø 11 (auxiliary circuits)	538280	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'.



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

Outer dimensions (mm)	Window type	Installable socket module	Power dissipation (W)	Palazzoli code	Pack Qty
125x125x125	Blind walls	95 / 125	13	532016	1
185x125x125	Blind walls	95 + 95	15	532017	1
250x125x125	Blind walls	125 + 125	20	532018	1

Features: supplied with drilling template.



Boxes in thermosetting GRP with **transparent cover** for composition of series of socket boards **IP67**

Outer dimensions (mm)	Window type	Installable socket module	No. of DIN modules	Power dissipation (W)	Palazzoli code	Pack Qty
125x125x125	Blind walls	95 / 125	4	13	532516	1
185x125x125	Blind walls	95 + 95	6.5	15	532557	1
250x125x125	Blind walls	125 + 125	9	20	532658	1

Features: supplied with drilling template.
Padlockable lid and with tamper-proof screw.

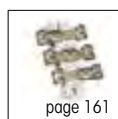


Back plates in galvanised steel for TAIS boxes

For box dimensions	For box code	Palazzoli code	Pack Qty
125x125	532016, 532016EX	532716	1
185x125	532017, 532017EX	532717	1
250x125	532018	532718	1

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

Technical accessories:



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Adaptors 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.



Mounting plates in thermosetting GRP for composition of socket boards

Dimensions (mm)	No. of installable devices	Installable device module	Palazzoli code	Pack Qty
185x501	2	2X95	538703	1
125x630	1	95/125	538711	1
250x630	2	125+125/125+95/95+125	538712	1

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



TAIS series

Increased-safety interlocked socket-outlets

Palazzoli Thermosetting GRP
heavy-duty applications



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 and with tamper-proof screw.



Milling cutters cup shaped
in steel for quick drill
connection 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	538410	1
M20	20.5		
M25	25.5		
M32	32.5		
M40	40.5		



Cable glands made
of insulating material
metric pitch with long thread
IP68

Threading	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 threading**

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.

ULYSSE





ULYSSE

You can save installation time by 30%, thanks to the pre-wired sockets and mounting with only two screws



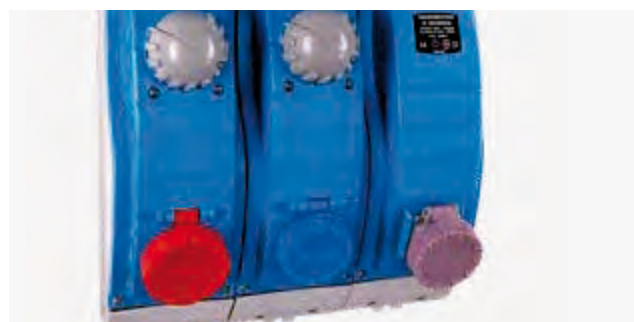
Pre-wired sockets and the easy quick fitting system make ULYSSE the quickest to install in the market of heavy-duty interlocked socket-outlets.



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.

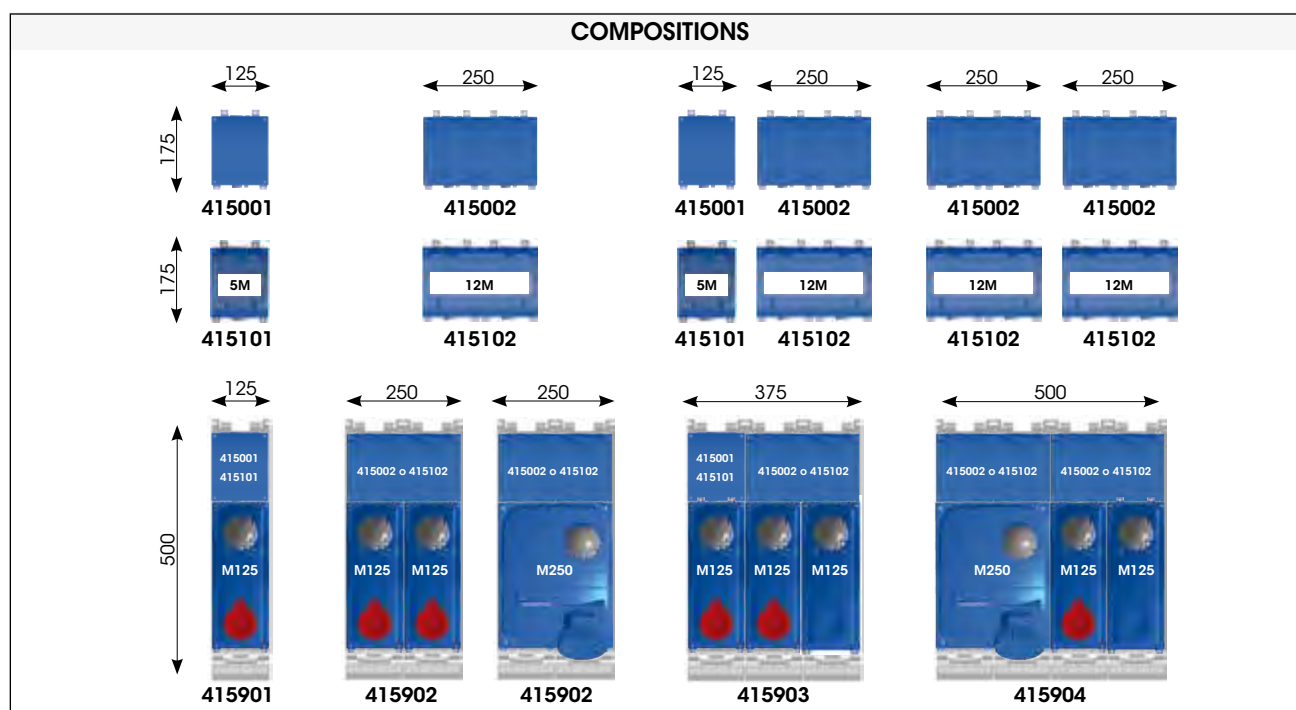
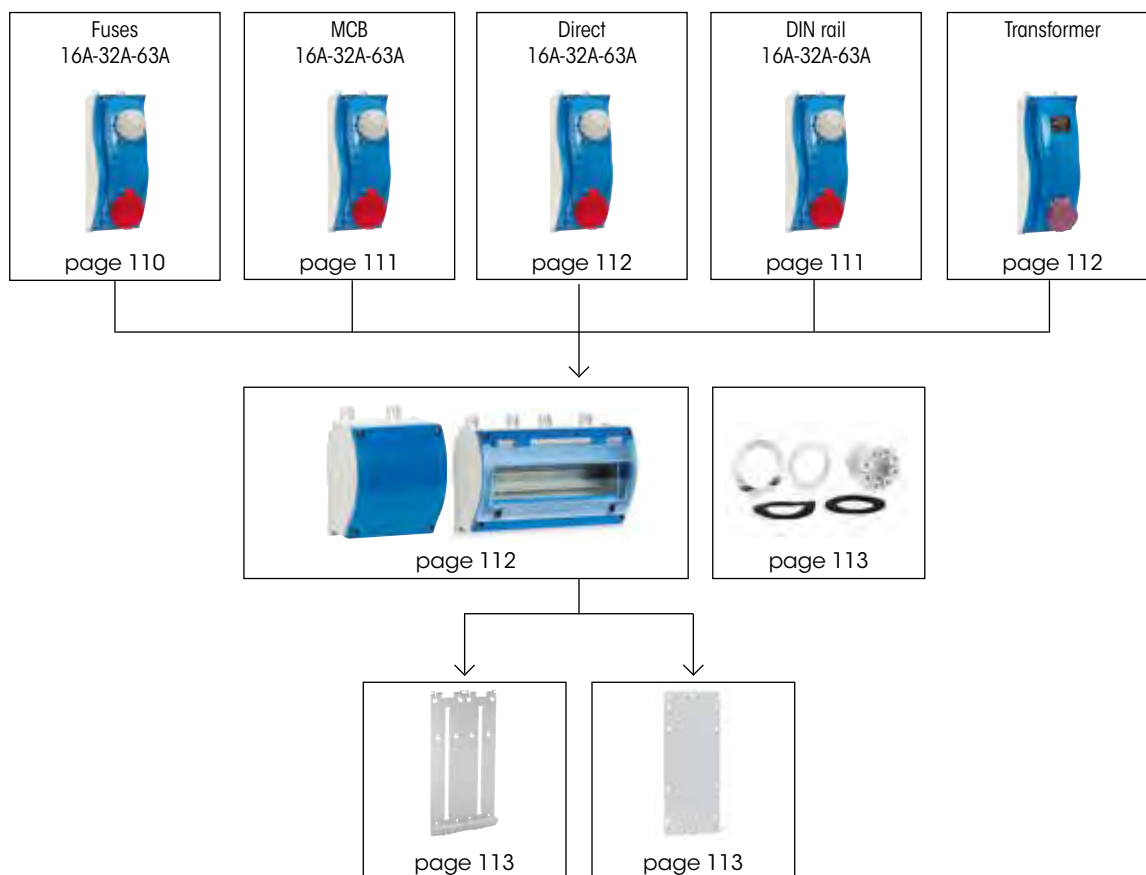


Design and expertise create a new kind of operation with semi spherical shape, easy to handle even with gloves on and padlockable in 0 and 1 positions.



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

Suitable for touristic port quays, plants, cellars, warehouses, garages, car parking, buildings and rooms with vapour generators. The white version (on demand) is particularly suitable for food processing industries and medical areas.



The Easy Composer software which enables to easily create customised distribution boards is available on the www.palazzoli.com website.



The industrial low-voltage interlocked socket-outlets of the ULYSSE series are a range of products made in Palazzoli thermosetting GRP for heavy-duty applications, that comply with the IEC/EN 60309-1, IEC/EN 60309-2 and IEC/EN 60309-4 standards.

The system includes versions from 16A to 63A, with or without fuses, with MCB and with DIN rail that can be fitted with modular devices.

All sockets feature a IP66/IP67 protection rating and can be combined in compositions using the appropriate blind or transparent boxes.

The system is completely modular, all the sockets are pre-wired and can be snap-mounted on the steel plate guaranteeing the coupling without any fittings. Versions above 32A feature Easy Contact receptacles for maximum contact performance over time and easier connection and disconnection operations.

The protections are located in the front part of the socket, behind a lid made in Palazzoli Thermosetting GRP. The interlock system is made with a steel bracket while the switch disconnecter is certified to the AC3-AC23A category at rated current.

Rated operating current:			16A	32A	63A
Thermal current Ith		A	16	32	63
AC21A	415V	A	16	32	63
	500V				
AC22A	415V	A	16	32	63
	500V				
AC23A	230V	A	16	32	63
	400V				
	500V				
AC23A	230V	kW	4.5	8.5	20
	400V		7.5	15	34
	500V		8.5	17	44
AC3	230V	kW	4.5	8.5	18
	400V		7.5	15	31
	500V		8.5	17	40

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

Compliance with standards	IEC/EN 60309-1 IEC/EN 60309-2 IEC/EN 60309-4 IEC/EN 60947-3
Material	Palazzoli thermosetting GRP
Protection rating (IP according to IEC/EN 60529)	IP66/IP67
Colour	RAL5015 (cover) RAL7035 (base)
Resistance to abnormal heat and fire ("Glow Wire" according to IEC/EN 60695-2-10)	960°C
Flammability rating (according to UL94)	V0
Impact resistance (IK grade according to IEC/EN 62262)	IK10
Rated current	16A - 32A - 63A
Operating voltage	24V - 440V
Operating frequency	50-60Hz
Insulation voltage	690V
Insulation class	II □
Storage temperature	-50°C - +80°C
Operating temperature	-25°C - +50°C



Resistance to chemical agents

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

Legend: ↑ high resistance → partial resistance



MODULE 125



**Modular interlocked
socket-outlets**
in thermosetting GRP
with **fuse holder base**
for wall-mounting
50-60Hz **IP66/IP67**



Pre-wired sockets

Rated current (A)	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 Pg29 entry fuses 10.3x38	110V	Yellow	2P+⏏	4	400124	1
	110V	Yellow	3P+⏏	4	400134	1
	110V	Yellow	3P+N+⏏	4	400144	1
	230V	Blue	2P+⏏	6	400126	1
	230V	Blue	3P+⏏	9	400139	1
	230V	Blue	3P+N+⏏	9	400149	1
	400V	Red	2P+⏏	9	400129	1
	400V	Red	3P+⏏	6	400136	1
	400V	Red	3P+N+⏏	6	400146	1
	380/440V	Red	3P+⏏	3	400233	1
32 Pg29 entry fuses 14x51	110V	Yellow	2P+⏏	4	400224	1
	110V	Yellow	3P+⏏	4	400234	1
	110V	Yellow	3P+N+⏏	4	400244	1
	230V	Blue	2P+⏏	6	400226	1
	230V	Blue	3P+⏏	9	400239	1
	230V	Blue	3P+N+⏏	9	400249	1
	400V	Red	2P+⏏	9	400229	1
	400V	Red	3P+⏏	6	400236	1
	400V	Red	3P+N+⏏	6	400246	1
	380/440V	Red	3P+⏏	3	400233	1

Equipment included: all the sockets are pre-wired with stripped and numbered cables.

Features: fuses not included. Padlockable handle.

Technical accessories:



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MODULE 250



**Modular interlocked
socket-outlets**
in thermosetting GRP
with **fuse holder base**
for wall-mounting
50-60Hz **IP66/IP67**



Pre-wired sockets

Rated current (A)	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63 2xPg29 entry fuses 22x58	110V	Yellow	2P+⏏	4	400324	1
	110V	Yellow	3P+⏏	4	400334	1
	110V	Yellow	3P+N+⏏	4	400344	1
	230V	Blue	2P+⏏	6	400326	1
	230V	Blue	3P+⏏	9	400339	1
	230V	Blue	3P+N+⏏	9	400349	1
	400V	Red	2P+⏏	9	400329	1
	400V	Red	3P+⏏	6	400336	1
	400V	Red	3P+N+⏏	6	400346	1
	380/440V	Red	3P+⏏	3	400233	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. Padlockable handle.

Technical accessories:



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EASY CONTACT



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

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



MODULE 125



**Modular interlocked
socket-outlets**
in thermosetting GRP
with **MCB**
for wall-mounting
50-60Hz **IP66/IP67**



Pre-wired sockets

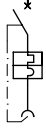
Rated current (A)	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 Pg29 entry MCB 4.5kA curve C	110V	Yellow	2P+⊕	4	403124	1
	110V	Yellow	3P+⊕	4	403134	1
	110V	Yellow	3P+N+⊕	4	403144	1
	230V	Blue	2P+⊕	6	403126	1
	230V	Blue	3P+⊕	9	403139	1
	230V	Blue	3P+N+⊕	9	403149	1
	400V	Red	2P+⊕	9	403129	1
	400V	Red	3P+⊕	6	403136	1
	400V	Red	3P+N+⊕	6	403146	1
	400V	Red	3P+N+⊕	6	403224	1
32 Pg29 entry MCB 6kA curve C	110V	Yellow	2P+⊕	4	403234	1
	110V	Yellow	3P+⊕	4	403244	1
	110V	Yellow	3P+N+⊕	4	403254	1
	230V	Blue	2P+⊕	6	403226	1
	230V	Blue	3P+⊕	9	403239	1
	230V	Blue	3P+N+⊕	9	403249	1
	400V	Red	2P+⊕	9	403229	1
	400V	Red	3P+⊕	6	403236	1
	400V	Red	3P+N+⊕	6	403246	1
	400V	Red	3P+N+⊕	6	403256	1

Equipment included: all the sockets are pre-wired with stripped and numbered cables.
Features: padlockable handle.

MODULE 250



**Modular interlocked
socket-outlets**
in thermosetting GRP
with **MCB** for wall-mounting
50-60Hz **IP66/IP67**



Pre-wired sockets

Rated current (A)	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63 2xPg29 entry MCB 10kA curve C	110V	Yellow	2P+⊕	4	403324	1
	110V	Yellow	3P+⊕	4	403334	1
	110V	Yellow	3P+N+⊕	4	403344	1
	230V	Blue	2P+⊕	6	403326	1
	230V	Blue	3P+⊕	9	403339	1
	230V	Blue	3P+N+⊕	9	403349	1
	400V	Red	2P+⊕	9	403329	1
	400V	Red	3P+⊕	6	403336	1
	400V	Red	3P+N+⊕	6	403346	1
	400V	Red	3P+N+⊕	6	403356	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. Padlockable handle.

Technical accessories:



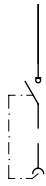
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MODULE 125



**Modular interlocked
socket-outlets**
in thermosetting GRP
with **DIN rail**
for wall-mounting
50-60Hz **IP66/IP67**



Pre-wired sockets

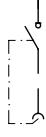
Rated current (A)	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 Pg29 entry 4.5 modules	230V	Blue	2P+⊕	6	406126	1
	400V	Red	3P+⊕	6	406136	1
	400V	Red	3P+N+⊕	6	406146	1
	400V	Red	3P+N+⊕	6	406156	1
32 Pg29 entry 4.5 modules	230V	Blue	2P+⊕	6	406226	1
	400V	Red	3P+⊕	6	406236	1
	400V	Red	3P+N+⊕	6	406246	1
	380/440V	Red	3P+⊕	3	406233	1

Equipment included: all the sockets are pre-wired up to the DIN rail.
Features: padlockable handle.

MODULE 250



**Modular interlocked
socket-outlets**
in thermosetting GRP
with **DIN rail** for wall-mounting
50-60Hz **IP66/IP67**



Pre-wired sockets

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

Equipment included: all the sockets are pre-wired up to the DIN rail.
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.

Technical accessories:



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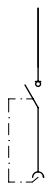
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MODULE 125



**Modular interlocked
socket-outlets**
in thermosetting GRP
for wall-mounting
50-60Hz **IP66/IP67**



Pre-wired sockets

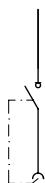
Rated current (A)	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 Pg29 entry	230V		2P+≐	6	408126	1
	400V		3P+≐	6	408136	1
	400V		3P+N+≐	6	408146	1
32 Pg29 entry	230V		2P+≐	6	408226	1
	400V		3P+≐	6	408236	1
	400V		3P+N+≐	6	408246	1
	380/440V		3P+≐	3	408233	1

Equipment included: all the sockets are pre-wired with stripped and numbered cables.
Features: padlockable handle.

MODULE 250



**Modular interlocked
socket-outlets**
in thermosetting GRP
for wall-mounting
50-60Hz **IP66/IP67**



Pre-wired sockets

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

Equipment included: all the sockets are pre-wired with stripped and numbered cables.
Features: socket connected directly to the switch. 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.

Technical accessories:



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MODULE 125



Modular socket
in thermosetting GRP
with **safety transformer (SELV)**
for wall-mounting
50-60Hz **IP66/IP67**



Pre-wired sockets

Rated current (A)	Rated voltage	Poles	Power (VA)	Palazzoli code	Pack Qty
16 Pg29 entry	230/24V~	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:



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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 cover.

Technical accessories:



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ULYSSE series

Pre-wired quick-mounting interlocked socket-outlets

Palazzoli Thermosetting GRP
heavy-duty applications



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 the 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:



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DIN rails
for fixing modular devices
in boxes with blind cover

No. of DIN modules	For box dimensions (mm)	Palazzoli code	Pack Qty
5	125x175x128	415011	1
12	250x175x128	415012	1



Kit for coupling boxes
IP66/IP67

Fitting diameter	Mounting hole (mm)	Palazzoli code	Pack Qty
Pg21/29	29	415000	100

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



Safety lock
with keys

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

Uses: the padlock prevents the knob from turning.



Milling cutters cup shaped
in steel for quick drill
connection 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





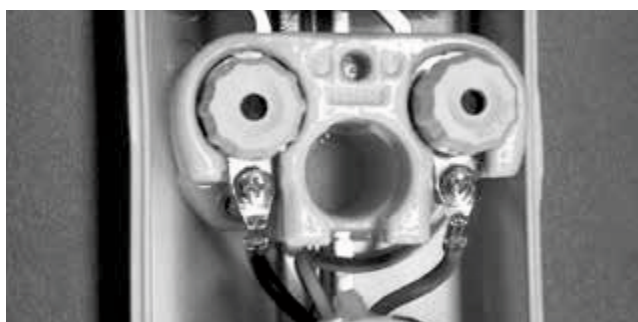
ALUPRES

The most powerful series on the market,
with versions from 16A up to 250A



ALUPRES products in aluminium alloy are passivised with fluoro-zirconium and powder painting surface treatment to improve the characteristics of resistance to chemical agents.

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.

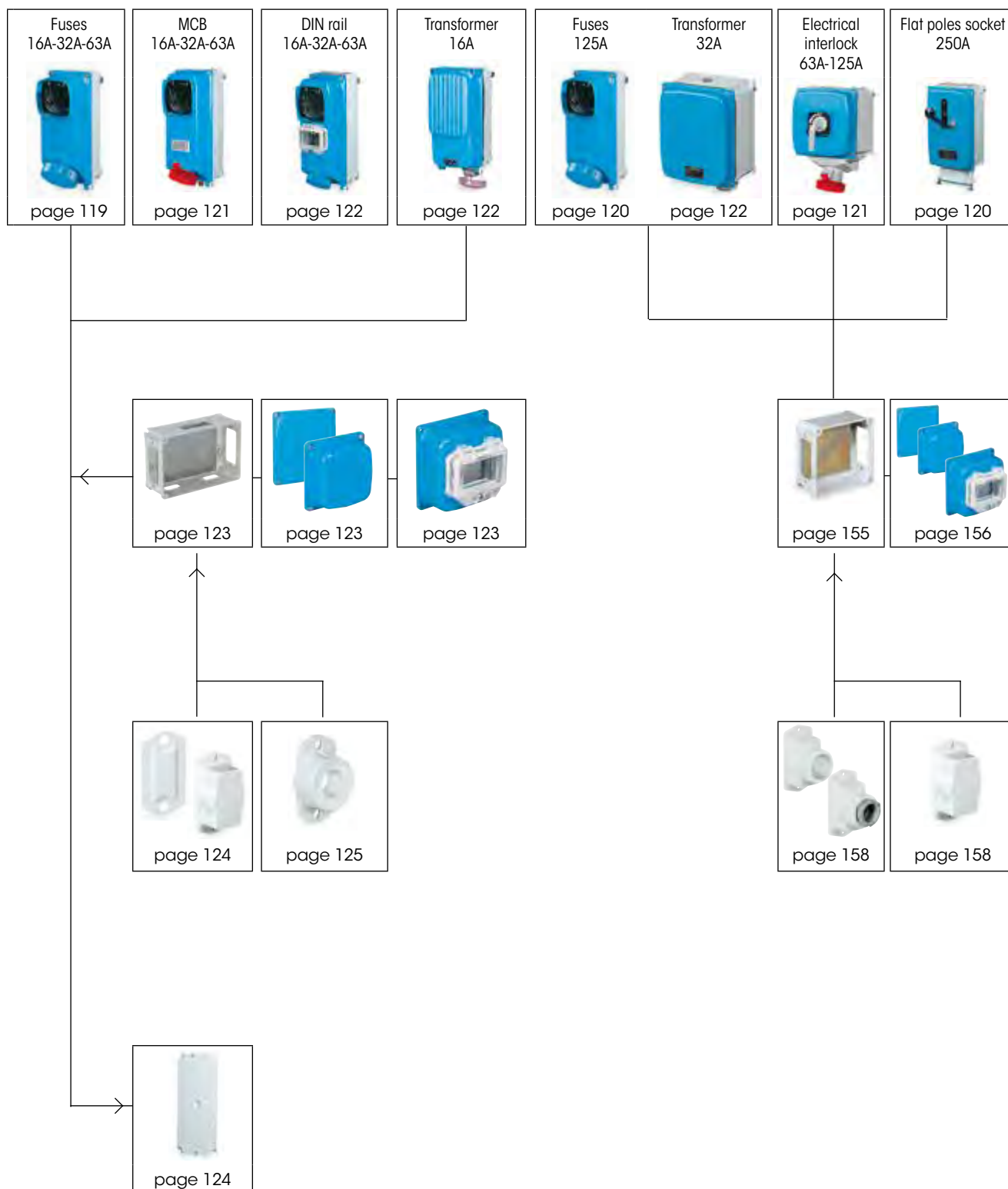


The fuse holder base and the interlock system are tightly fitted to the bottom of each socket and are composed of ceramic and steel that ensure maximum safety.



The handle is padlockable in positions 0 and 1 to prevent unauthorised access.

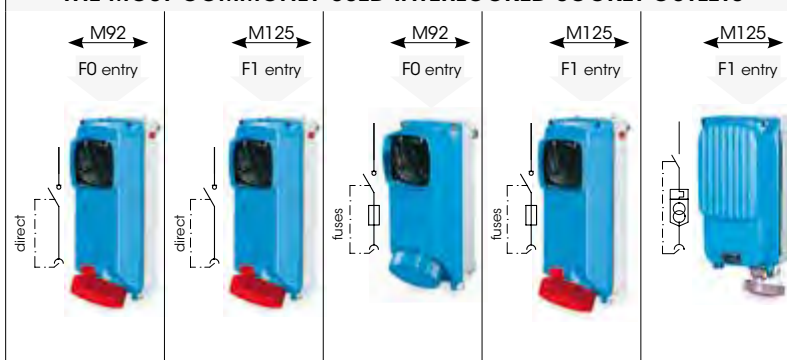
Suitable for steel works, canning and deep freeze industries, foundries, blast furnaces, carpentries and, generally, areas with presence of highly abrasive substances.





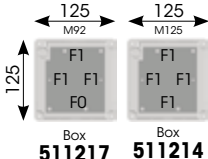
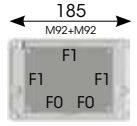
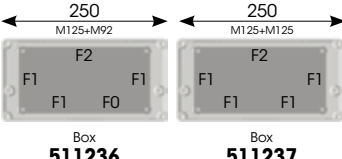
 Diazed fast fuses - 500V		
Current (A)	Type fuses	Palazzoli code
16	E16 (NDz)	348117
32	E33 (DIII)	348326
63		348333

THE MOST COMMONLY USED INTERLOCKED SOCKET-OUTLETS



16A	230V	2P+⊕	●	460126	466126	472333		
	400V	3P+⊕	●	460136	466136	472443		
	400V	3P+N+⊕	●	460146	466146	472453		
32A	230V	2P+⊕	●		460226		472336	
	400V	3P+⊕	●		460236		472446	
	400V	3P+N+⊕	●		460246		472456	
63A	400V	3P+⊕	●		460336		472447	
	400V	3P+N+⊕	●		460346		472457	
16A	24V	2P 230 VA	●					471812

COMPOSITIONS

 Box 511217 Box 511214			 Box 511227			 Box 511236 Box 511237			 IP67 steel closing flange		
 Blind cover 515214			 Blind cover 515224			 Blind cover 515234			Window	Projection	Palazzoli code
 Transparent door 518204			 Transparent door 518206			 Transparent door 518209			F1	5	540091
 Plate 532876			 Plate 532826			 Plate 532836			F2	5.5	540032
						 Plate 532856					



The industrial low voltage interlocked socket-outlets of the ALUPRES series are a range of products made in aluminium alloy for heavy-duty applications, that comply with the IEC/EN 60309-1, IEC/EN 60309-2 and IEC/EN 60309-4 standards. The system includes versions from 16A to 250A, with or without fuses, with MCB or with DIN rail that can be fitted with modular devices and with electrical interlock. The sockets feature a protection rating up to IP67 and can be combined in compositions using the appropriate blind or transparent boxes.

Versions above 32A feature Easy Contact receptacles for maximum contact performance over time and easier connection and disconnection operations.

The circuit protections, the fuses located in ceramic bases and the MCBs fixed on rail, are tightly fixed to the bottom of the socket and are accessible by opening the front lid.

The casing is treated with ecological anticorrosion passivation with fluoro-zirconium and finished with hot polymerised non-toxic polyester paint.

The interlock system is made with a steel bracket while the switch disconnecter is certified to the AC3-AC23A category at rated current.

Rated operating current:			16A	32A	63A	125A	250A
Thermal current I _{th}	A	A	16	32	63	125	250
AC21A	415V	A	16	32	63	125	250
	500V						
AC22A	415V	A	16	32	63	125	250
	500V						
AC23A	230V	A	16	32	63	100	200
	400V						
	500V						
AC23A	230V	kW	4.5	8.5	20	32	64
	400V		7.5	15	34	55	111
	500V		8.5	17	44	69	139
AC3	230V	kW	4.5	8.5	18	25	48
	400V		7.5	15	31	44	83
	500V		8.5	17	40	55	90

Wiring data:		16A	32A	63A	125A	250A
Entry cable sections	mm²	1 - 10		6 - 16	16 - 70	
Tightening torque	Nm	2			3	

Compliance with standards	IEC/EN 60309-1 IEC/EN 60309-2 IEC/EN 60309-4 IEC/EN 60947-3
Material	Aluminium alloy
Surface treatment	Passivation with fluoro-zirconium treatment
Paint	Hot-polymerised non-toxic polyester
Protection rating (IP according to IEC/EN 60529)	IP67 (16A÷125A version) IP55 (250A version)
Colour	RAL5012 (cover) RAL7035 (base)
Impact resistance (IK grade according to IEC/EN 62262)	IK10
Rated current	16A - 32A - 63A 125A - 250A
Operating voltage	24V - 690V
Operating frequency	50-60Hz
Insulation voltage	690V
Insulation class	I
Storage temperature	-30°C - +70°C
Operating temperature	-25°C - +50°C



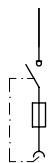
Resistance to chemical agents

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

Legend: ↑ high resistance → partial resistance ↓ low resistance



MODULE 92



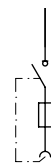
**Modular interlocked
socket-outlets**
in aluminium alloy
with **fuse-holder**
for wall-mounting
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16	50-60Hz	110V	Yellow	2P+⊕	4	472233	1
	50-60Hz	110V	Yellow	3P+⊕	4	472243	1
	50-60Hz	110V	Yellow	3P+N+⊕	4	472253	1
	50-60Hz	230V	Blue	2P+⊕	6	472333	1
	50-60Hz	230V	Blue	3P+⊕	9	472343	1
	50-60Hz	230V	Blue	3P+N+⊕	9	472353	1
	50-60Hz	400V	Red	2P+⊕	9	472433	1
	50-60Hz	400V	Red	3P+⊕	6	472443	1
	50-60Hz	400V	Red	3P+N+⊕	6	472453	1
	50-60Hz	500V	Black	3P+⊕	7	472543	1
	50-60Hz	500V	Black	3P+N+⊕	7	472553	1
	50-60Hz	>50V *	Grey	2P+⊕	12	472323	1
	50-60Hz	>50V *	Grey	3P+⊕	12	472473	1
	100-300Hz	>50V	Green	2P+⊕	10	472263	1
	100-300Hz	>50V	Green	3P+⊕	10	472363	1
	100-300Hz	>50V	Green	3P+N+⊕	10	472283	1
F0 entry fuses E16 NDZ	>300-500Hz	>50V	Green	2P+⊕	2	472273	1
	>300-500Hz	>50V	Green	3P+⊕	2	472373	1
	>300-500Hz	>50V	Green	3P+N+⊕	2	472293	1
	60Hz	440-460V	Red	3P+⊕	11	472463	1
	60Hz	440-460V	Red	3P+N+⊕	11	472533	1
	DC	>50-250V	Grey	2P+⊕	3	472383	1

* For isolation transformer

Features: the handle can be padlocked. Fuses not included.**Note:** special configurations on request.

MODULE 125



**Modular interlocked
socket-outlets** in aluminium
alloy with **fuse-holder**
for wall-mounting
IP67

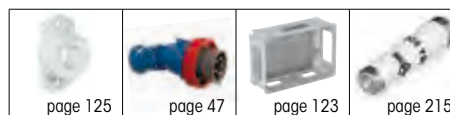


Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
32	50-60Hz	110V	Yellow	2P+⊕	4	472236	1
	50-60Hz	110V	Yellow	3P+⊕	4	472246	1
	50-60Hz	110V	Yellow	3P+N+⊕	4	472256	1
	50-60Hz	230V	Blue	2P+⊕	6	472336	1
	50-60Hz	230V	Blue	3P+⊕	9	472346	1
	50-60Hz	230V	Blue	3P+N+⊕	9	472356	1
	50-60Hz	400V	Red	2P+⊕	9	472436	1
	50-60Hz	400V	Red	3P+⊕	6	472446	1
	50-60Hz	400V	Red	3P+N+⊕	6	472456	1
	50-60Hz	500V	Black	3P+⊕	7	472546	1
	50-60Hz	500V	Black	3P+N+⊕	7	472556	1
	50-60Hz	690V	Black	3P+⊕	5	472560	1
	50-60Hz	690V	Black	3P+N+⊕	5	472561	1
	50-60Hz	>50V *	Grey	2P+⊕	12	472326	1
	50-60Hz	>50V *	Grey	3P+⊕	12	472496	1
	100-300Hz	>50V	Green	2P+⊕	10	472266	1
63	100-300Hz	>50V	Green	3P+⊕	10	472116	1
	100-300Hz	>50V	Green	3P+N+⊕	10	472286	1
	>300-500Hz	>50V	Green	2P+⊕	2	472276	1
	>300-500Hz	>50V	Green	3P+⊕	2	472126	1
	>300-500Hz	>50V	Green	3P+N+⊕	2	472296	1
	60Hz	440-460V	Red	3P+⊕	11	472466	1
	60Hz	440-460V	Red	3P+N+⊕	11	472536	1
	DC	>50-250V	Grey	2P+⊕	3	472386	1
	50/60Hz	380/440V	Red	3P+⊕	3	472486	1
	50/60Hz	380-440V	Red	3P+N+⊕	3	472586	1
	50-60Hz	110V	Yellow	2P+⊕	4	472237	1
	50-60Hz	110V	Yellow	3P+⊕	4	472247	1
	50-60Hz	110V	Yellow	3P+N+⊕	4	472257	1
	50-60Hz	230V	Blue	2P+⊕	6	472337	1
	50-60Hz	230V	Blue	3P+⊕	9	472347	1
	50-60Hz	230V	Blue	3P+N+⊕	9	472357	1
F1 entry fuses DIII E33	50-60Hz	400V	Red	2P+⊕	9	472437	1
	50-60Hz	400V	Red	3P+⊕	6	472447	1
	50-60Hz	400V	Red	3P+N+⊕	6	472457	1
	50-60Hz	500V	Black	3P+⊕	7	472547	1
	50-60Hz	500V	Black	3P+N+⊕	7	472557	1
	50-60Hz	690V	Black	3P+⊕	5	472558	1
	50-60Hz	690V	Black	3P+N+⊕	5	472559	1
	50-60Hz	>50V *	Grey	2P+⊕	12	472327	1
	50-60Hz	>50V *	Grey	3P+⊕	12	472367	1
	60Hz	440-460V	Red	3P+⊕	11	472387	1
	60Hz	440-460V	Red	3P+N+⊕	11	472397	1
	DC	>50-250V	Grey	2P+⊕	3	472377	1

* For isolation transformer

Features: the handle can be padlocked. Fuses not included.**Note:** special configurations on request.

Technical accessories:





MODULE 185



Modular interlocked socket-outlets
in aluminium alloy
with **fuse-holder**
for wall-mounting
IP67



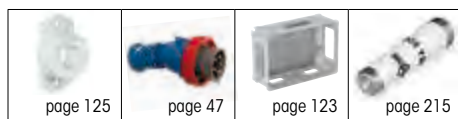
Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
125	50-60Hz	110V	Yellow	3P+ $\neq$	4	472248	1
	50-60Hz	110V	Yellow	3P+N+ $\neq$	4	472258	1
	50-60Hz	230V	Blue	3P+ $\neq$	9	472348	1
	50-60Hz	230V	Blue	3P+N+ $\neq$	9	472358	1
	50-60Hz	400V	Red	3P+ $\neq$	6	472418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

* For isolation transformer

Features: the handle can be padlocked. Fuses not included.

Note: special configurations on request.

Technical accessories:



MODULE 315



Interlocked socket-outlets
in aluminium alloy
with **aligned poles**
and **fuse-holder**
for wall-mounting
50-60Hz **IP55**

Rated current (A)	Rated voltage	Poles	Enclosure dimensions (mm)	Palazzoli code	Pack Qty
250	500V~ max	3P+ $\neq$	315x507	422039	1
F5 entry fuses ACR GR1					

Equipment included: gaskets and screws for fastening the accessories.

Earth screws inside and outside the box.

Features: the handle can be padlocked. Fuses not included.

250 A sockets, width 315mm.

Note: special configurations on request.

Technical accessories:



Fixed socket
in aluminium alloy
with **aligned poles**
for wall-mounting
50-60Hz **IP55**

Rated current (A)	Rated voltage	Poles	Window type	Palazzoli code	Pack Qty
250	500V	3P+ $\neq$	F5	421029	1

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 sockets
- perfect cleaning of the pin
- a solid and long-lasting electrical contact



Plug-in aluminium alloy
with cable gland
with **flat poles**
50-60Hz **IP55**

Rated current (A)	Rated voltage	Poles	Palazzoli code	Pack Qty
250	500V	3P+ $\neq$	427019	1



MODULE 125



**Modular interlocked
socket-outlets**
in aluminium alloy with **MCB**
for wall-mounting
IP67



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

Features: the handle can be padlocked. Voltage presence indicator.

Note: special configurations on request.

Technical accessories:



MODULE 252



Modular socket-outlets
in aluminium alloy with
electrical interlock and
MCCB for wall-mounting
50-60Hz IP67



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

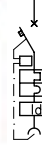
Features: complete with pilot contact used for the electrical interlock.

Note: special configurations on request.

MODULE 252



Modular socket-outlets
in aluminium alloy
with **electrical interlock**
MCCB and **RCD**
for wall-mounting
50-60Hz IP67

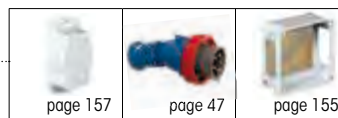


Rated current (A)	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
63 F5 entry	400V	Red	3P+⊕	6	473336	1
	400V	Red	3P+N+⊕	6	473346	1
	500V	Black	3P+⊕	7	473337	1
	500V	Black	3P+N+⊕	7	473347	1
125 F5 entry	400V	Red	3P+⊕	6	473436	1
	400V	Red	3P+N+⊕	6	473446	1
	500V	Black	3P+⊕	7	473437	1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

Features: complete with pilot contact used for the electrical interlock.

Note: special configurations on request.

Technical accessories:



FEATURES OF THE ELECTRICALLY INTERLOCKED SOCKET PROTECTION

MCCB

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
voltage U_{imp}
8kV Breaking capacity I_{cu} (400V)
8kA
25000 operations
8000 operations
0.7-1 x In
10 x Neutral protection

RCD

Protection type
Operating voltage
Operating frequency
Failure frequency
Intervention threshold regulation
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 92-125-185



**Modular interlocked
socket-outlets**
in aluminium alloy
for wall-mounting
50-60Hz **IP67**



Rated current (A)	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 F0 entry	230V	Blue	2P+≡	6	460126	1
	400V	Red	3P+≡	6	460136	1
	400V	Red	3P+N+≡	6	460146	1
16 F1 entry	230V	Blue	2P+≡	6	466126	1
	400V	Red	3P+≡	6	466136	1
	400V	Red	3P+N+≡	6	466146	1
32 F1 entry	230V	Blue	2P+≡	6	460226	1
	400V	Red	3P+≡	6	460236	1
	400V	Red	3P+N+≡	6	460246	1
63 F1 entry	380/440V	Red	3P+≡	3	460233	1
	400V	Red	2P+≡	6	460326	1
	400V	Red	3P+≡	6	460336	1
	400V	Red	3P+N+≡	6	460346	1
125 F3 entry	400V	Red	3P+≡	6	460436	1
	400V	Red	3P+N+≡	6	460446	1

Features: the handle can be padlocked.

Sockets, F0 module 92mm, F1 module 125mm, F3 module 185mm.

Notes: special configurations on request.

MODULE 125-185



**Modular interlocked
socket-outlets**
in aluminium alloy
with **DIN rail**
for wall-mounting
50-60Hz **IP67**



Rated current (A)	Rated voltage	Voltage colour	Poles	h ref.	Palazzoli code	Pack Qty
16 F1 entry 4 modules	230V	Blue	2P+≡	6	472623	1
	400V	Red	3P+≡	6	472733	1
	400V	Red	3P+N+≡	6	472843	1
32 F1 entry 4 modules	230V	Blue	2P+≡	6	472624	1
	400V	Red	3P+≡	6	472734	1
	400V	Red	3P+N+≡	6	472844	1
	380/440V	Red	3P+≡	3	472735	1
63 F1 entry 4 modules	230V	Blue	2P+≡	6	472027	1
	400V	Red	3P+≡	6	472137	1
	400V	Red	3P+N+≡	6	472647	1
125 F3 entry 6.5 modules	400V	Red	3P+≡	6	472648	1
	400V	Red	3P+N+≡	6	472649	1

Equipment included: all sockets are pre-wired up to the DIN rail.

Features: the handle can be padlocked.

Sockets, 1 module 125mm, F3 module 185mm.

Notes: special configurations on request.

Technical accessories:



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MODULE 125



Modular sockets
in aluminium alloy
with safety **transformer** (SELV)
for wall-mounting
50-60Hz **IP67**



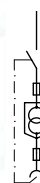
Rated current (A)	Rated voltage	Poles	Power (VA)	Palazzoli code	Pack Qty
16 F1 entry	230/24V	2P	144	471812	1
	400/24V	2P	144	471832	1

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

MODULE 250



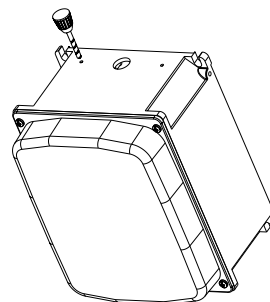
Modular sockets
in aluminium alloy
with safety **transformer** (SELV)
for wall-mounting
50-60Hz **IP55**



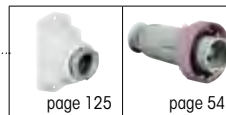
Rated current (A)	Rated voltage	Poles	Power (VA)	Palazzoli code	Pack Qty
32 M25 entry	230/48V~	2P	720	471818	1
	400/48V~	2P	720	471838	1

Equipment included: cable gland and screwcaps M25.

Features: continuous class II duty safety transformer enabled by the plug by means of microswitch. 32A sockets 252mm wide. Predisposed for coupling with F2 window. The socket is equipped with M25 top and bottom entry.



Technical accessories:



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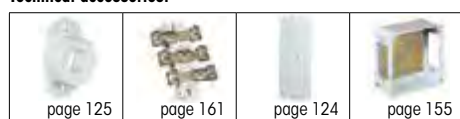
Boxes in aluminium alloy
for composition
of socket boards
IP67

Outer dimensions (mm)	Window type	Installable socket module	Palazzoli code	Pack Qty
92x92x42		92	511112	1
		92	511114	1
125x92x42		92	511122	1
		92	511124	1
185x92x42		92	511142	1
		92	511144	1
		92 + 92	511147	1
125x125x63		125	511212	1
		125	511214	1
		92	511217	1
185x125x63		92 + 92	511227	1
252x125x63		125 + 92	511236	1
		125 + 125	511237	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. Codes from 511147 to 511237 complete with back plate.

Note: the boxes indicated are only those that can be used in compositions of socket boards. The complete list is at page 155.

Technical accessories:



Blind covers low
for ALUPRES boxes
IP67

For box with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Qty
92x92	23	515111	1
125x125	10	515200	1
185x125	25	515221	1

Equipment included: complete with non-ageing gasket and captive stainless steel fixing screws.



Blind covers high
for ALUPRES boxes
IP67

For box with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Qty
92x92	35	515112	1
125x92	50	515124	1
185x92	50	515144	1
125x125	50	515214	1
185x125	50	515224	1
252x125	50	515234	1

Equipment included: complete with non-ageing gasket and captive stainless steel fixing screws.



Covers with transparent window and DIN rail
for ALUPRES boxes
IP67

For box with dimensions (mm)	No. of DIN modules	Cover height (mm)	Lid height (mm)	Palazzoli code	Pack Qty
125x125	4	50	30	518204	1
185x125	6.5	50	30	518206	1
252x125	9	50	30	518209	1

Equipment included: complete with non-ageing gasket and captive stainless steel fixing screws.

Features: when fitted in the box they allow for the installation of modular devices. Padlockable lid and with tamper-proof screw.



Mounting **plates**
in painted steel
for composition
of socket boards

Dimensions (mm)	No. of installable devices	Installable device module	Palazzoli code	Pack Qty
125x558	1	1x92 / 1x125	532876	1
185x389	2	2x92	532806	1
276x389	3	3x92	532816	1
185x421	2	2x92	532826	1
250x558	2	2x125 / 125+92	532836	1
375x558	3	3x125	532846	1
310x558	3	125+2x92	532856	1
435x558	4	2x125+2x92 / 125+3x92	532866	1

Equipment included: designed with threaded holes and includes stainless steel screws for fastening devices.



Pair of **plates**
complete with screws
for the coupling of plates

For mounting plate code	Palazzoli code	Pack Qty
532806, 532816, 532826, 532836, 532846, 532856, 532866	532895	1

Table for the selection of boxes that can be installed on the plates

Plate code	Box dimensions (mm)
532876	125x125
532806	185x92
532816	92x92 / 185x92
532826	185x125
532836	250x125
532846	125x125 / 250x125
532856	125x125 / 185x125
532866	250x125 / 185x125



Blind flanges flat
in steel for windowed walls
IP67

For windows	Projection (mm)	Palazzoli code	Pack Qty
F0 (insulating material)	5	540030	1
F1 (insulating material)	6	540031	5
F0	2.5	540090	5
F1	5.5	540091	5
F2	5.5	540032	1
F3	6	540033	2
F4	6	540034	2
F5	7	540035	2
F6	8	540036	1

Uses: closes unused windows. They can be drilled for cable gland installation.



Closing flanges raised
in aluminium alloy
for windowed walls
IP67

For windows	Projection (mm)	Palazzoli code	Pack Qty
F1	32	540061	1
F2	32	540062	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**
for windowed walls
IP67

For windows	Threading type	Palazzoli code	Pack Qty
F0	M25	541050	1
F1	M25	541055	1

Technical accessories:



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Flanges
in aluminium alloy
with **gas threading**
and **cable gland**
for windowed walls
IP67

For windows	Threading type	Entry cable diameter (mm)	Projection (mm)	Palazzoli code	Pack Qty
F0 (insulating material)	1/2"	8-13	23	541010	1
F0 (insulating material)	3/4"	9-17	29	541020	1
F0	1/2"	9-12	31	541080	1
F0	3/4"	9-17	33	541090	1
F0	1"	17-20	34	541030	1
F1	1/2"	8-13	29	541011	1
F1	3/4"	10-18	33	541021	1
F1	1"	14-19	63	540151	1
F1	1" 1/4	22-26	63	540141	1
F2	1"	18-20	63	540152	1
F2	1" 1/4	25-26	64	540142	1
F3	1" 1/2	32-35	82	540153	1
F4	1" 1/2	32-35	88	540154	1
F5	2"	42-44	124	540145	1
F6	2" 3/4	57-58	154	540156	1

Uses: suitable for entry with threaded pipes. They facilitate the wiring as they increase the internal volume of the enclosure.

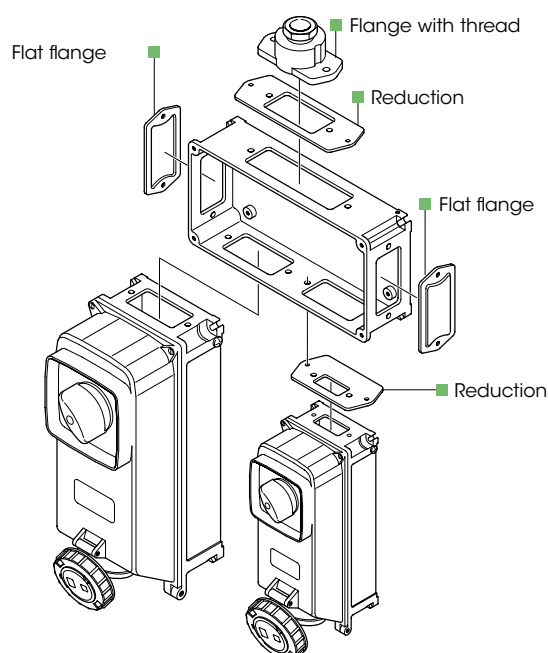


Reducers
in steel for windows
IP67

Shape	Reducer type from window	Reducer type to window	Thickness (mm)	Palazzoli code	Pack Qty
	F1	F0	3	547010	1
	F2	F0	4	547020	1
	F2	F1	4	547021	1
	F3	F0	4	547030	1
	F3	F1	4	547031	1
	F3	F2	4	547032	1
	F3	2xF0	5	547300	1
	F4	F1	4	547041	1
	F4	F2	4	547042	1
	F4	F3	4	547043	1
	F4	F1+F0	6	547410	1
	F4	2xF1	5	547411	1
	F5	F3	5	547053	1
	F5	F4	5	547054	1
	F6	F3	5	547063	1
	F6	F4	5	547064	1
	F6	F5	5	547065	1
	F5	F1	5	547151*	1
	F5	F2	5	547152*	1
	F6	F1	5	547161*	1
	F6	F2	5	547162*	1

Uses: it enables to interface boxes and socket-outlets with windows of different type.
* These are only used to couple the boxes to the flanges with cable gland.

USE OF ACCESSORIES





ALUMAX series low voltage switched sockets with electrical interlock are a range of products in 15/10 steel sheet, finished with hot polymerised nontoxic polyester paint, equipped with an aluminium alloy socket for heavy-duty applications, from 250A up to 400A, with IP65 protection rating.

The coupling system of receptacles and plugs makes use of the Easy Contact technology for maximum contact performance over time and ensures easier connection and disconnection operations. Each connection is provided with a double pilot contact. The sockets are equipped with MCB with 36 kA breaking capacity. The control handle can be padlocked in position 0 and I.

ALUMAX BROCHURE

The AlumaX brochure can be viewed and downloaded from www.palazzoli.com



Compliance with standards	IEC/EN 60309-1 IEC/EN 60947-3
Material	Aluminium Alloy (connections) Steel (boxes)
Surface treatment	Passivation
Paint	Non-toxic hot polymerised
Protection rating (IP according to IEC/EN 60529)	IP67 (connections) IP65 (protected wall-mounted sockets)
Colour	RAL 5015 (cover) RAL 7035 (box)
Impact resistance (IK grade according to IEC/EN 62262)	IK10
Rated current	250A - 400A
Operating voltage	Up to 1000V
Operating frequency	50-60Hz
Insulation voltage	3.3 KV
Insulation class	I
Diameter of cable entry for mobile connections	62mm (250A) 80mm (320A-400A)
Clamping range for receptacles and pins	250A: 50mm² - 70mm² 320A: 120mm² 400A: 150mm²
Pilot contacts	2
Pilot contacts clamping section	2.5mm²
Operating temperature	-30°C - +60°C



Resistance to chemical agents

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

Legend: ↑ high resistance → partial resistance ↓ low resistance



250A sockets in steel for high amperages with **electric interlock** and **MCCB** for wall-mounting 50-60Hz **IP65**

Rated current (A)	Rated voltage (V)	Poles	No. of pilot contacts (mm ²)	Palazzoli code	Pack Qty
250	400	3P+ $\neq$	2x10	480530	1
		3P+N+ $\neq$	2x6	480550	1
	500	3P+ $\neq$	2x10	480531	1
		3P+N+ $\neq$	2x6	480551	1

Features: padlockable handle.



320A - 400A sockets in steel for high amperages with **electric interlock** and **MCCB** for wall-mounting 50-60Hz **IP65**

Rated current (A)	Rated voltage (V)	Poles	No. of pilot contacts (mm ²)	Palazzoli code	Pack Qty
320	400	3P+N+ $\neq$	2x6	480650	1
	500	3P+N+ $\neq$	2x6	480651	1
400	400	3P+N+ $\neq$	2x6	480750	1
	500	3P+N+ $\neq$	2x6	480751	1

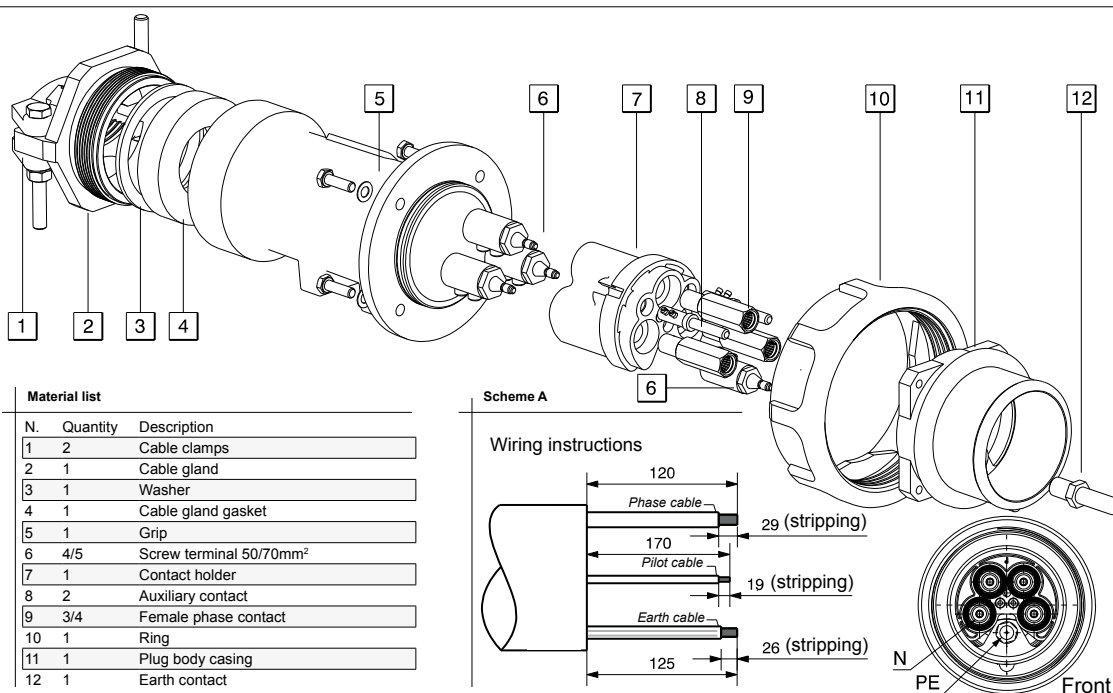
Features: padlockable handle.



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+ $\neq$	2x10	750530	1
	3P+N+ $\neq$	2x6	750550	1
320	3P+N+ $\neq$	2x6	750650	1
	3P+N+ $\neq$	2x6	750750	1

Note: up to 660A available on request.



The background of the entire page is a deep blue space scene. A bright sun or star is rising over the horizon of the Earth, creating a strong lens flare and illuminating the planet's surface. The Earth's curvature is visible, with the continents of Europe and Africa partially shown, covered in city lights. A network of thin blue lines connects various points across the sky, resembling a global communication or data network. The Palazzoli logo is positioned in the upper left quadrant.

Palazzoli

— excellence —
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