



STANDARD



HEAVY DUTY





STANDARD

PRIMA
compact horizontal
interlocked sockets

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topTER
vertical interlocked
sockets

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TER
vertical interlocked
sockets with EN 50022 rail

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In many cases it is mandatory by law, in any case it is highly recommended to install interlocked sockets in all the public places, or in those where there are many operators.

HEAVY DUTY

ULYSSE
pre-wired quick assembly
interlocked sockets in
thermosetting (GRP)

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WHITE ULYSSE
pre-wired quick assembly
interlocked sockets in white
thermosetting (GRP)

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TAIS
interlocked sockets with
increased security in
thermosetting (GRP)

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ALUPRES
interlocked sockets
with high resistance
in aluminium alloy

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ALUMAX
sockets with
electrical interlock
for high amperages

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SWITCHED SOCKETS IN THERMOPLASTIC WITH MECHANICAL INTERLOCK FROM 16A TO 63A

				PRIMA series				topTER series					
													
													
Rated current (A)	Rated voltage (V)	N. poles	h. ref.	Direct connection IP44	With fuses IP44	Direct connection IP55	With fuses IP55	Direct connection IP44	With fuses IP44	Direct connection IP66/IP67	With fuses IP66/IP67	Direct connection IP65	With fuses IP65
16	110 100÷130	2P+⏏	4	493124	494124	495124	496124	492124	190124	491124	490124		
		3P+⏏	4			495134	496134			491134	490134		
		3P+N+⏏	4			495144	496144			491144	490144		
	230 200÷250	2P+⏏	6	493126	494126	495126	496126	492126	190126	491126	490126		
		3P+⏏	9			495139	496139			491139	490139		
		3P+N+⏏	9			495149	496149			491149	490149		
	400 380÷415	2P+⏏	9			495129	496129			491129	490129		
		3P+⏏	6	493136	494136	495136	496136	492136	190136	491136	490136		
		3P+N+⏏	6	493146	494146	495146	496146	492146	190146	491146	490146		
32	110 100÷130	2P+⏏	4			495224	496224			491224	490224		
		3P+⏏	4			495234	496234			491234	490234		
		3P+N+⏏	4			495244	496244			491244	490244		
	230 200÷250	2P+⏏	6	493226	494226	495226	496226	492226	190226	491226	490226		
		3P+⏏	9			495239	496239			491239	490239		
		3P+N+⏏	9			495249	496249			491249	490249		
	400 380÷415	2P+⏏	9			495229	496229			491229	490229		
		3P+⏏	6	493236	494236	495236	496236	492236	190236	491236	490236		
		3P+N+⏏	6	493246	494246	495246	496246	492246	190246	491246	490246		
380÷440	3P+⏏	3			495233	496233			491233	490233			
63	110 100÷130	2P+⏏	4									481324	480324
		3P+⏏	4									481334	480334
		3P+N+⏏	4									481344	480344
	230 200÷250	2P+⏏	6									481326	480326
		3P+⏏	9									481339	480339
		3P+N+⏏	9									481349	480349
	400 380÷415	2P+⏏	9									481329	480329
		3P+⏏	6									481336	480336
		3P+N+⏏	6									481346	480346

EXTRA-LOW VOLTAGE

				PRIMA series	topTER series
					
					
				page 63	page 71
Rated current (A)	Rated voltage (V)	N. poles	h. ref.	Self-protected with transformer 150VA IP55	Self-protected with transformer 150VA IP66/IP67
16	230/24	2P	–	496024	490024



					ULYSSE series				
									
									
					page 84	page 85	page 86	page 86	page 88
Rated current (A)	Rated voltage (V)	N. poles	h. ref.		With fuses IP66/IP67	With MCB IP66/IP67	With EN 50022 rail IP66/IP67	Direct connection IP66/IP67	With fuses IP66/IP67
16	110 100÷130	2P+ $\neq$	4	400124	403124				
		3P+ $\neq$	4	400134	403134				
		3P+N+ $\neq$	4	400144	403144				
	230 200÷250	2P+ $\neq$	6	400126	403126	406126	408126	420126	
		3P+ $\neq$	9	400139	403139				
		3P+N+ $\neq$	9	400149	403149				
	400 380÷415	2P+ $\neq$	9	400129	403129				
		3P+ $\neq$	6	400136	403136	406136	408136	420136	
		3P+N+ $\neq$	6	400146	403146	406146	408146	420146	
32	110 100÷130	2P+ $\neq$	4	400224	403224				
		3P+ $\neq$	4	400234	403234				
		3P+N+ $\neq$	4	400244	403244				
	230 200÷250	2P+ $\neq$	6	400226	403226	406226	408226	420226	
		3P+ $\neq$	9	400239	403239				
		3P+N+ $\neq$	9	400249	403249				
	400 380÷415	2P+ $\neq$	9	400229	403229				
		3P+ $\neq$	6	400236	403236	406236	408236	420236	
		3P+N+ $\neq$	6	400246	403246	406246	408246	420246	
63	110 100÷130	2P+ $\neq$	4	400324	403324				
		3P+ $\neq$	4	400334	403334				
		3P+N+ $\neq$	4	400344	403344				
	230 200÷250	2P+ $\neq$	6	400326	403326	406326	408326		
		3P+ $\neq$	9	400339	403339				
		3P+N+ $\neq$	9	400349	403349				
	400 380÷415	2P+ $\neq$	9	400329	403329				
		3P+ $\neq$	6	400336	403336	406336	408336		
		3P+N+ $\neq$	6	400346	403346	406346	408346		

EXTRA-LOW VOLTAGE

					ULYSSE series	
						
						
					page 87	page 88
Rated current (A)	Rated voltage (V)	N. poles	h. ref.		Self-protected with transformer 150VA IP66/IP67	Self-protected with transformer 150VA IP66/IP67
16	230/24	2P	—		409873	429873



SWITCHED SOCKETS IN ALUMINIUM ALLOY WITH MECHANICAL INTERLOCK FROM 16A TO 125A

				TAIS series							
											
				page 95	page 95	page 96	page 96	page 96	page 97	page 100	page 100
Rated current (A)	Rated voltage (V)	N. poles	h. ref.	With fuses IP66/IP67	With fuses IP67	Direct connection IP66/IP67	Direct connection IP67	With MCB IP67	With EN 50022 rail IP67	With electrical interlock IP65	With electrical interlock and RCD IP65
16	110 100÷130	2P+ $\overline{\text{N}}$	4	472610			467124	474210			
		3P+ $\overline{\text{N}}$	4	472710				474310			
		3P+N+ $\overline{\text{N}}$	4	472810				474410			
	230 200÷250	2P+ $\overline{\text{N}}$	6	472620		470126	467126	474220	472020		
		3P+ $\overline{\text{N}}$	9	472720				474320			
		3P+N+ $\overline{\text{N}}$	9	472820				474420			
	400 380÷415	2P+ $\overline{\text{N}}$	9	472630				474230			
		3P+ $\overline{\text{N}}$	6	472730		470136	467136	474330	472130		
		3P+N+ $\overline{\text{N}}$	6	472830		470146	467146	474430	472240		
32	110 100÷130	2P+ $\overline{\text{N}}$	4	468224	472611			474611			
		3P+ $\overline{\text{N}}$	4	468234	472711			474711			
		3P+N+ $\overline{\text{N}}$	4		472811			474811			
	230 200÷250	2P+ $\overline{\text{N}}$	6	468226	472621	469226	470226	474621	472021		
		3P+ $\overline{\text{N}}$	9	468239	472721			474721			
		3P+N+ $\overline{\text{N}}$	9		472821			474821			
	400 380÷415	2P+ $\overline{\text{N}}$	9	468226	472631			474631			
		3P+ $\overline{\text{N}}$	6	468236	472731	469236	470236	474731	472131		
		3P+N+ $\overline{\text{N}}$	6		472831		470246	474831	472241		
	380÷440	3P+N+ $\overline{\text{N}}$	3	468233	472771	469233	470233	474771	472133		
63	110 100÷130	2P+ $\overline{\text{N}}$	4		472612			474612			
		3P+ $\overline{\text{N}}$	4		472712			474712			
		3P+N+ $\overline{\text{N}}$	4		472812			474812			
	230 200÷250	2P+ $\overline{\text{N}}$	6		472622		470326	474622	472022		
		3P+ $\overline{\text{N}}$	9		472722			474722			
		3P+N+ $\overline{\text{N}}$	9		472822			474822			
	400 380÷415	2P+ $\overline{\text{N}}$	9		472632			474632			
		3P+ $\overline{\text{N}}$	6		472732		470336	474732	472132	478336	476336
		3P+N+ $\overline{\text{N}}$	6		472832		470346	474832	472242	478346	476346
	500 480÷500	3P+ $\overline{\text{N}}$	7							478337	476337
		3P+N+ $\overline{\text{N}}$	7							478347	476347
125	400 380÷415	3P+ $\overline{\text{N}}$	6							478436	476436
		3P+N+ $\overline{\text{N}}$	6							478446	476446
	500 480÷500	3P+ $\overline{\text{N}}$	7							478437	476437
		3P+N+ $\overline{\text{N}}$	7							478447	476447

EXTRA-LOW VOLTAGE

				TAIS series		
						
				page 97	page 97	page 100
Rated current (A)	Rated voltage (V)	N. 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

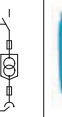


SWITCHED SOCKETS IN ALUMINIUM ALLOY WITH MECHANICAL INTERLOCK FROM 16A TO 500A

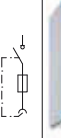
INTERLOCKED
SOCKETS

ALUPRES series									
     									
Rated current (A)	Rated voltage (V)	N. poles	h. ref.	With fuses IP67	Direct connection IP67	With MCB IP67	With EN 50022 rail IP67	With electrical interlock IP55	With electrical interlock and RCD IP55
16	110 100÷130	2P+ $\neq$	4	472233		474633			
		3P+ $\neq$	4	472243		474643			
		3P+N+ $\neq$	4	472253		474653			
	230 200÷250	2P+ $\neq$	6	472333	466126	474733	472623		
		3P+ $\neq$	9	472343		474743			
		3P+N+ $\neq$	9	472353		474753			
	400 380÷415	2P+ $\neq$	9	472433		474833			
		3P+ $\neq$	6	472443	466136	474843	472733		
		3P+N+ $\neq$	6	472453	466146	474853	472843		
32	110 100÷130	2P+ $\neq$	4	472236		474236			
		3P+ $\neq$	4	472246		474246			
		3P+N+ $\neq$	4	472256		474256			
	230 200÷250	2P+ $\neq$	6	472336	460226	474336	472624		
		3P+ $\neq$	9	472346		474346			
		3P+N+ $\neq$	9	472356		474356			
	400 380÷415	2P+ $\neq$	9	472436		474436			
		3P+ $\neq$	6	472446	460236	474446	472734		
		3P+N+ $\neq$	6	472456	460246	474456	472844		
63	110 100÷130	3P+ $\neq$	3	472486		474486	472735		
		2P+ $\neq$	4	472237		474237			
		3P+ $\neq$	4	472247		474247			
	230 200÷250	3P+N+ $\neq$	4	472257		474257			
		2P+ $\neq$	6	472337		474337			
		3P+ $\neq$	9	472347		474347	472027		
		3P+N+ $\neq$	9	472357		474357			
	400 380÷415	2P+ $\neq$	9	472437		474437			
		3P+ $\neq$	6	472447	460336	474447	472137	475336	473336
		3P+N+ $\neq$	6	472457	460346	474457	472647	475346	473346
125	500 480÷500	3P+ $\neq$	7					475337	473337
		3P+N+ $\neq$	7					475347	473347
		3P+ $\neq$	4	472248					
	110 100÷130	3P+N+ $\neq$	4	472258					
		3P+ $\neq$	9	472348					
		3P+N+ $\neq$	9	472358					
	230 200÷250	3P+ $\neq$	6	472418	460436		472648	475436	473436
		3P+N+ $\neq$	6	472428	460446		472649	475446	473446
		3P+ $\neq$	7					475437	473437
250	500	3P+N+ $\neq$	7					475447	473447

EXTRA-LOW VOLTAGE

ALUPRES series					
 					
Rated current (A)	Rated voltage (V)	N. 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

HIGH AMPERAGES

ALUPRES series					
 					
Rated current (A)	Rated voltage (V)	N. poles	N. pilot contacts	With fuses IP55	With MCB IP65
250	500	3P+ $\neq$	0	422039	
	400	3P+ $\neq$	2		480530
		3P+N+ $\neq$	2		480550
	500	3P+ $\neq$	2		480531
320	400	3P+N+ $\neq$	2		480551
	500	3P+N+ $\neq$	2		480650
400	400	3P+N+ $\neq$	2		480651
	500	3P+N+ $\neq$	2		480750
500	400	3P+N+ $\neq$	2		480751
	500	3P+ $\neq$	0	422079	

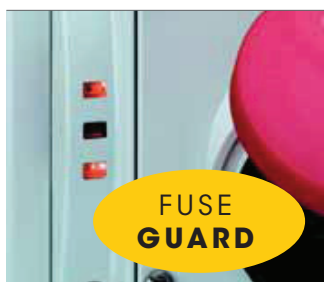


Suitable for use in the service sector, such as kitchens, restaurants, hypermarkets, hotels, offices, hospitals, medicals and public entertainment places.



One dimension for
all versions

THE ADVANTAGES



PRIMA is the only system of interlocked sockets with fuses that can not be accessed directly from the front. This characteristic makes them particularly suitable for installing in public places, preventing unauthorised interference.



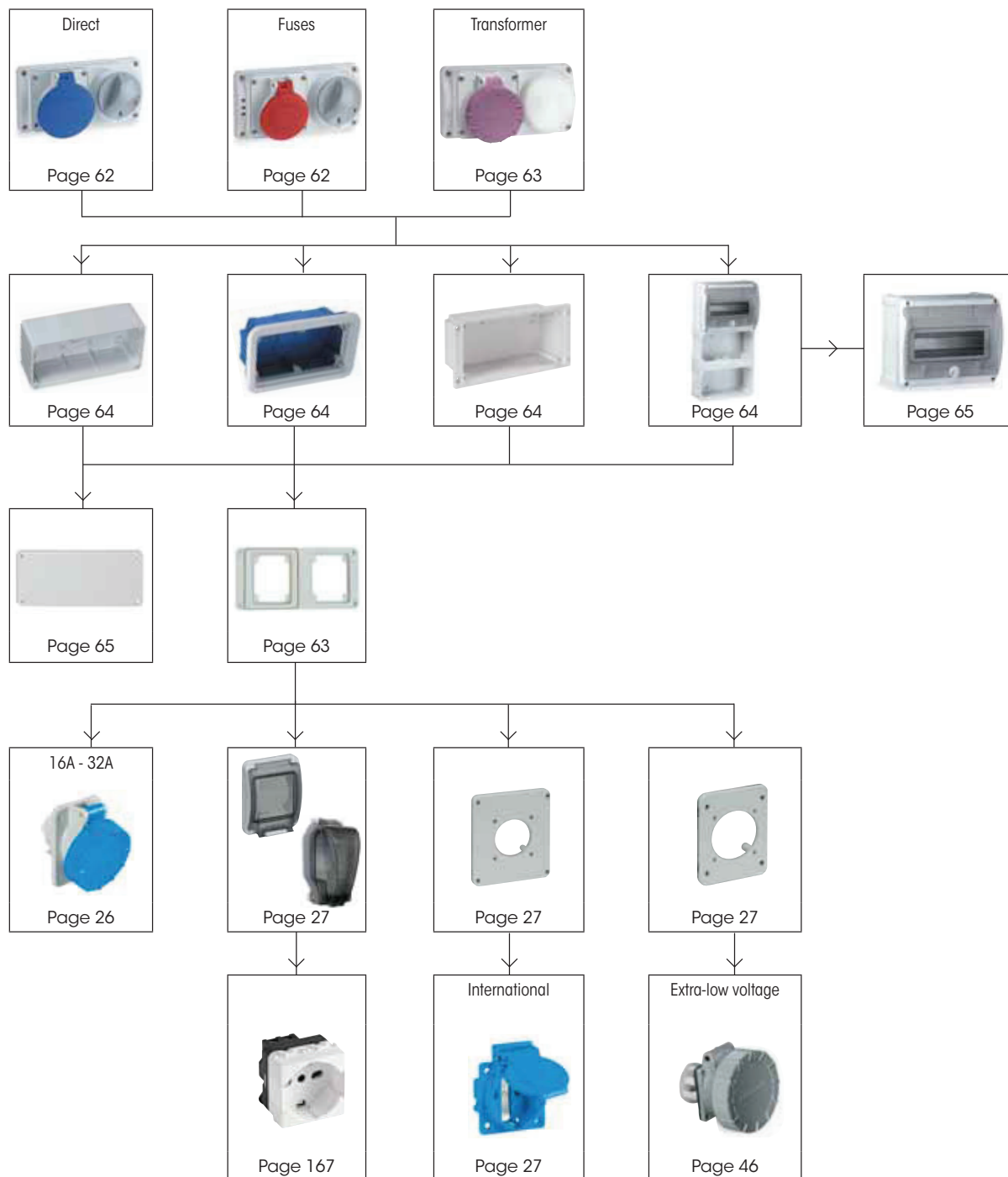
The plug-in special system allows to comfortably wire your unit before installing the switched socket into the board. Maintenance is easy thanks to the total absence of annoying detachable cables.



PRIMA is the only system of horizontal shaped sockets containing absolute safety technologies, such as the metallic interlock system and the rear panel isolator switch with AC3-AC23A category guaranteed at rated current.



The aesthetical design ensures PRIMA the possibility to be installed in all areas. The rounded shape, the reduced projection (only 6 cm) and the absence of dust and dirt collection features facilitate the socket cleaning.



Easy Composer software allows for an easy combining of customized units.
It is available on www.palazzoli.com or directly from the QR Code.





PRIMA series low voltage switched sockets with mechanical interlock are a range of moulded products for standard uses, in compliance with the IEC/EN 60309-1, IEC/EN 60309-2 and IEC/EN 60309-4 standards.

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

The fused sockets are equipped with the "fuse guard" system that allows for immediately identifying, through a warning light, the circuit phase "disconnected". The fuses are located in the back part of the socket, to avoid interference by unauthorized people.

The interlock system is made of steel and the isolator switch is certified with the AC3-AC23A category at rated current.

The range is completed by wall or flush mounted boxes and modular boards.

Rated operating current - isolator switch:

			16A	32A
Thermal current Ith		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

Terminal specifications:

		16A	32A
Entry diameters	mm ²	1 - 10	
Entry sections	Nm	2	

Conformity
to standards

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

Body
material

Technopolymer

Protection rating
(IP as per
IEC/EN 60529)

IP44 - IP55

Colour

RAL7035

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

960°C (switch)
850°C (contact holder insert)
650°C (socket body)

Self-extinguishing
grade (as per UL94)

V0 (switch)
V2 (contact holder insert)
HB (socket body)

Resistance to impacts
(IK rating as per
IEC/EN 62262)

IK08

Rated
current

16A - 32A

Rated
voltage

24V - 440V

Rated
frequency

50-60Hz

Rated
insulation voltage

690V

Insulation
class

II □

Storage
temperature

-30°C - +70°C

Operating
temperature

-25°C - +50°C



Resistance to chemical agents

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

Legend: ↑ high resistance → partial resistance ↓ low resistance



Switched sockets
with mechanical interlock,
for flush mounting
50-60Hz IP44

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

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

Characteristics: lockable handle in 0 or 1 position with max. Ø 3mm padlock.



Switched sockets
with mechanical interlock
and fuse-holder,
for flush mounting
50-60Hz IP44

Rated current (A)	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
16 fuses 10,3x38	110V	Yellow	2P+	6	494124	1
	230V	Blue	2P+⊕	6	494126	1
	400V	Red	3P+⊕	6	494136	1
	400V	Red	3P+N+⊕	6	494146	1
32 fuses 10,3x38	230V	Blue	2P+⊕	6	494226	1
	400V	Red	3P+⊕	6	494236	1
	400V	Red	3P+N+⊕	6	494246	1

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

Characteristics: lockable handle in 0 or 1 position with max. Ø 3mm padlock. Fuses not included. Plug - in feature (socket automatically "connects" with terminal block on assembly).

Technical accessories:



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Switched sockets
with mechanical interlock,
for flush mounting
50-60Hz IP55

Rated current (A)	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
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
	380/440V	Red	3P+⊕	3	495233 *	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 be supplied also in HD Heavy Duty wall mounted version.

For the Code Number you simply have to change the prefix 495xxx with 498xxx (ex. from 495124 to 498124). For the bottom box see page 64.

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

Characteristics: lockable handle in 0 or 1 position with max. Ø 3mm padlock.

Technical accessories:



page 17



Switched sockets
with mechanical **interlock**
and **fuse-holder**,
for flush mounting
50-60Hz **IP55**

Rated current (A)	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
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
32 fuses 10,3x38	400V	Red	3P+N+⊕	6	496146	1
	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
380/440V	400V	Red	3P+⊕	6	496236	1
	400V	Red	3P+N+⊕	6	496246	1
	380/440V	Red	3P+⊕	3	496233	1

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

Characteristics: lockable handle in 0 or 1 position with max. Ø 3mm padlock. Fuses not included. Plug - in feature (socket automatically "connects" with terminal block on assembly).

Technical accessories:



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Socket
with safety transformer (SELV),
for flush mounting
50-60Hz **IP55**

Rated current (A)	Rated voltage	Poles	Power (VA)	Palazzoli code	Pack Q.ty
16	230/24V~	2P	150	496024	1

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

Technical accessories:



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Flange
for mounting
2 topTER sockets or caps
in a PRIMA distribution board
IP55

N. total devices	Max with 65x83 flange	Max with 88x100 flange	Palazzoli code	Pack Q.ty
2	2	1	579718	1

Equipment included: 4 x stainless steel screws for fastening to the distribution board or box. Finishing frame for compact sockets.

Technical accessories:



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CUSTOMIZED SOLUTIONS



With additional
control unit
using code **579612**



Flush-mounted
with frame
using code **579582**



With panel mounted sockets
using flange code **579718**
and topTER sockets



With sockets
for signal using
spacing kits code **579591**

**Distribution boards
for PRIMA devices
IP55**

	Shape	N. installable sockets	Power dissipation (W)	External dimensions (mm)	Palazzoli code	Pack Q.ty
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: screwcaps for double insulation.
N.1 closing flange code 579620, 579621, 579602.
N.2 closing flanges code 579640, 579641, 579642.

Technical accessories:



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**Bottom box
for wall mounting
IP55**

Dimensions (mm)	For socket type	Palazzoli code	Pack Q.ty
103x206	PRIMA interlocked socket	579500*	1

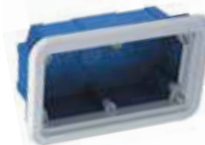
* This box can be supplied also in HD Heavy Duty version.
The Code Number is 579700.

Equipment included: screwcaps for double insulation.

Technical accessories:



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**Bottom box
for flush mounting
IP55**

Dimensions (mm)	For socket type	Palazzoli code	Pack Q.ty
132,5x235,5	PRIMA interlocked socket	579510	1

Equipment included: spacing kit.

Characteristics: symmetrical design and does not need an "UP-DOWN" direction for installation. For use with interlocked socket-outlets with fuses, it is necessary to fasten the box so that it is even with the wall. For the PRIMA series, the use of the appropriate kit code 579590 allows you to gain an extra 3 mm in depth.

**Bottom box
for panel mounting
IP55**

Dimensions (mm)	For socket type	Palazzoli code	Pack Q.ty
115x240	PRIMA interlocked socket	575501	1

Uses: allows the assembly of flush-mounting sockets on distribution boards made of sheet metal, wood, plasterboard or insulating material.



9 modules



Control unit
for modular devices
IP55

Description	Power dissipation (W)	Dimensions (mm)	Palazzoli code	Pack Q.ty
With transparent window 9 modules	36	212x174	579612	1

Equipment included: n. 2 modular covers code 579904. Screwcaps for double insulation.



Closing flange
IP55

Dimensions (mm)	Palazzoli code	Pack Q.ty
206x103	579901	1

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



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

Pg	Mounting hole (mm)	For cables Ø (mm)	Palazzoli code	Pack Q.ty
21	29	17	580250	1



Finishing frames
for flush mounting of
PRIMA distribution boards

For boards with code	Palazzoli code	Pack Q.ty
579620 and 579621	579582	1
579640, 579641 and 579642	579584	1



Spacing kit
for distribution board
with 4 sockets

Description	Palazzoli code	Pack Q.ty
A horizontal divider and a vertical divider with friction installation	579591	1



Suitable for use in hypermarkets, hospitals, hotels, kitchens, trade fairs, small workshops and in general all those places where accidental disruption to the electrical supply is damaging.



IP66/IP67 double protection rating defends from dust and water, either by powerful water jet or in temporary immersion

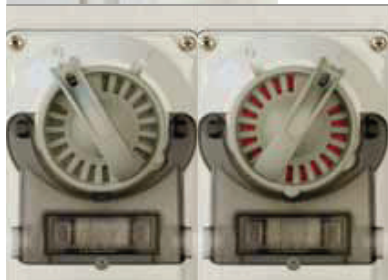
THE ADVANTAGES



The socket insert is integrated inside the body, therefore there are no screws which can become weak points.



The fuse-holder base is protected by a lid with an ergonomic opening mechanism and unbreakable buttons. When the lid closes, it automatically guides the fuse boxes into closed and secure contact position.



The high visibility operation, patented by Palazzoli, allows even non-expert users to immediately understand the switch status.



The auxiliary contact allows a remote signalling of plug insertion for industrial automation applications, or in any situation where you may need an additional electrical protection.



Direct

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Fuses

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Transformer

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Domestic

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63A

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16A - 32A

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16A - 32A

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Extra-low voltage

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International

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63A





topTER series low voltage switched sockets with mechanical interlock are a range of moulded products for standard uses, in compliance with the IEC/EN 60309-1, IEC/EN 60309-2 and IEC/EN 60309-4 norms.

The system contains 16A and 32A versions, with or without fuses, with IP44 and IP66/IP67 protection rating and a version with a 24V safety transformer.

Moreover, it can be perfectly coordinated with topTER 63A series products for solutions with higher amperages.

The interlock system is made of high quality reinforced technopolymer and the isolator switch is certified with the AC3-AC23A category at rated current.

Sockets with fuses can be purchased with the "fuse guard", a system which allows for immediate identification of the fuse to be replaced. Fuses are located in the front part of the body, behind an unbreakable transparent lid which also guarantees the perfect closing of the fuse holders.

The range is completed by boxes and boards which, thanks to the modularity of the system allows to mix and match, not only interlocked sockets but also industrial or domestic sockets and other devices.

Rated operating current - isolator switch:

			16A	32A
Thermal current Ith		A	16	32
AC21A		A	16	32
AC22A		A	16	32
AC23A		A	16	32
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

Terminal specifications:

		16A	32A
Entry diameters	mm ²	1 - 10	
Entry sections	Nm	2	

Conformity to standards	IEC/EN 60309-1 IEC/EN 60309-2 IEC/EN 60309-4 IEC/EN 60947-3
Body material	Technopolymer
Protection rating (IP as per IEC/EN 60529)	IP44 - IP66/IP67
Colour	RAL7035
Resistance to abnormal heat and fire ("Glow Wire" as per IEC/EN 60695-2-10)	960°C (switch) 850°C (contact holder insert) 650°C (socket body)
Self-extinguishing grade (as per UL94)	V0 (switch) V2 (contact holder insert) HB (socket body)
Resistance to impacts (IK rating as per IEC/EN 62262)	IK08
Rated current	16A - 32A
Rated voltage	24V - 440V
Rated frequency	50-60Hz
Rated insulation voltage	690V
Insulation class	II □
Storage temperature	-30°C - +70°C
Operating temperature	-25°C - +50°C



Resistance to chemical agents

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

Legend: ↑ high resistance → partial resistance ↓ low resistance

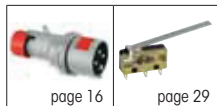


Switched sockets
with mechanical **interlock**,
for flush mounting
50-60Hz **IP44**

Rated current (A)	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
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 x stainless steel screws for fastening to the distribution board or box.
Characteristics: lockable handle in 0 or 1 position with max. Ø 3mm padlock. Facility for 2 x auxiliary contacts for signalling the plug insertion.

Technical accessories:



Switched sockets
with mechanical **interlock**
and **fuse-holder**,
for flush mounting
50-60Hz **IP44**

Rated current (A)	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
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 x stainless steel screws for fastening to the distribution board or box.
Characteristics: lockable handle in 0 or 1 position with max. Ø 3mm padlock. Facility for 2 x auxiliary contacts for signalling the plug insertion. Fuses not included.

Technical accessories:



EASY COMPOSER

Software for easy combining of customized units.



1. Select the socket type	2. Compose your board	3. Download the certificates

It is available on www.palazzoli.com





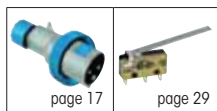
Switched sockets
with mechanical interlock,
for flush mounting
50-60Hz IP66/IP67

Rated current (A)	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
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
32	400V	Red	3P+N+⏏	6	491146*	1
	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
	380/400V	Red	3P+⏏	3	491233*	1

* these sockets can be supplied also in HD Heavy Duty wall mounted version.
For the Code Number you simply have to change the prefix 491xxx with 891xxx (ex. from 491124 to 891124). For the bottom box see page 74.

Equipment included: 4 x stainless steel screws for fastening to the distribution board or box.
Characteristics: lockable handle in 0 or 1 position with max. Ø 3mm padlock. Facility for 2 x auxiliary contacts for signalling the plug insertion.

Technical accessories:



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Switched sockets
with mechanical interlock
and fuse-holder,
for flush mounting
50-60Hz IP66/IP67

Rated current (A)	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
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
32 fuses 10,3x38	400V	Red	3P+N+⏏	6	490146	1
	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
	380/400V	Red	3P+⏏	3	490233	1

Equipment included: 4 x stainless steel screws for fastening to the distribution board or box.
Characteristics: lockable handle in 0 or 1 position with max. Ø 3mm padlock.
Facility for 2 x auxiliary contacts for signalling the plug insertion.
Fuses not included.

Technical accessories:



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Socket
with safety transformer (SELV),
for flush mounting
50-60Hz IP66/IP67

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

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

Technical accessories:



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Switched sockets
with mechanical interlock,
fuse-holder and LED
indicator, for flush mounting
50-60Hz IP66/IP67

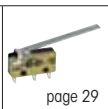
Rated current (A)	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
16 fuses 10,3x38	230V		2P+⏏	6	499126	1
	400V		3P+⏏	6	499136	1
	400V		3P+N+⏏	6	499146	1
32 fuses 10,3x38	230V		2P+⏏	6	499226	1
	400V		3P+⏏	6	499236	1
	400V		3P+N+⏏	6	499246	1

Equipment included: 4 x stainless steel screws for fastening to the distribution board or box.
Characteristics: lockable handle in 0 or 1 position with max. Ø 3mm padlock.
Facility for 2 x auxiliary contacts for signalling the plug insertion.
Fuses not included.

Technical accessories:



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Schuko sockets
type P17/P30, with watertight
cap for plug-in
IP55

Description	Flange dimensions (mm)	Pins	Pitch	Type	Palazzoli code	Pack Q.ty
Flange with 1 domestic socket 2P+⏏ 10/16A P30/P17 230V	103x230	Ø 4/4,8	19	P30/P17	579715	1

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



Closing flange
for distribution boards for
topTER switched sockets
IP66/IP67

Dimensions (mm)	Palazzoli code	Pack Q.ty
103 x 230	579713	1

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



Flange for mounting
2 sockets or 2 caps
in a distribution board
for topTER switched sockets
IP66/IP67

Dimensions (mm)	N. total devices	Max with 65x83 flange	Max with 88x100 flange	Palazzoli code	Pack Q.ty
103 x 230	2	2	1	579714	1

Equipment included: 1 x adapting flange for compact sockets, 1 x closing flange 65 x 83 mm. 4 x stainless steel screws for fastening to the distribution board.

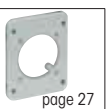
Technical accessories:



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Flange for mounting
one 63A socket
in a distribution board
for topTER switched sockets
IP66/IP67

Dimensions (mm)	63A socket flange dimensions (mm)	Palazzoli code	Pack Q.ty
103 x 230	100 x 100	579717	1

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

Technical accessories:



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Flange for mounting
3 international sockets
in a distribution board
for topTER switched sockets
IP65

Dimensions (mm)	For socket type	Palazzoli code	Pack Q.ty
103 x 230	International	579716	1

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

Technical accessories:



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**Distribution boards
with transparent window for
topTER switched sockets
IP66**

	Shape	N. installable sockets	Power dissipation (W)	External dimensions (mm)	Palazzoli code	Pack Q.ty
10 modules		2	40	239x456	579742	1
16 modules		3	56	350x456	579743	1
22 modules		4	70	461x456	579744	1

Equipment included: EN 50022 rail kit with adjustable supports. Cable holders. Double insulation screw caps. Hinge kit for door opening. 1 x closing flange for socket - outlets 579743 and 579744.

Characteristics: padlockable modular door. Suitable for horizontal and vertical assembly. Suitable for temporary mounting.



**Distribution boards
with transparent window for
1 topTER switched socket
IP66**

	N. installable sockets	Power dissipation (W)	External dimensions (mm)	Palazzoli code	Pack Q.ty
5 modules	1	22	122x395	579741	1

Characteristics: padlockable modular window.

Technical accessories:



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**Distribution boards
with blind cover for
topTER switched sockets
IP66**

	Shape	N. installable sockets	Power dissipation (W)	External dimensions (mm)	Palazzoli code	Pack Q.ty
		1	22	122x395	579721	1
		2	40	250x395	579722	1
		3	56	380x395	579723	1



**Covers with transparent
window and EN 50022 rail
for topTER distribution boards
with blind cover**

N. EN 50022 modules	For boards with code	Protection rating	Palazzoli code	Pack Q.ty
5	579721	IP65	579451	1
12	579722	IP55	579452	1
18	579723	IP55	579453	1

Characteristics: padlockable modular window.



**Control units
for modular devices with
padlockable window**

External dimensions (mm)	N. EN 50022 modules	Power dissipation (W)	Protection rating	Palazzoli code	Pack Q.ty
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 socket type	Palazzoli code	Pack Q.ty
108 x 260	topTER interlocked sockets	579710*	1

* This box can be supplied also in HD Heavy Duty version.
The Code Number is 579720.

Equipment included: screwcaps for double insulation.

Technical accessories:



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Bottom box
for flush mounting
IP55

Dimensions (mm)	For socket type	Palazzoli code	Pack Q.ty
131 x 258	topTER interlocked sockets	579712	1

Characteristics: symmetrical design and does not need an "up-down" direction for installation.



Bottom box
for panel mounting
IP66/IP67

Dimensions (mm)	For socket type	Palazzoli code	Pack Q.ty
115 x 270	topTER interlocked sockets	579711	1

Equipment included: screwcaps for double insulation.

Uses: can be mounted on panels made of sheet metal, wood, plasterboard or insulating material



Box for panel mounting
with cover
IP56

Internal dimensions (mm)	Palazzoli code	Pack Q.ty
236x145x76	575505	1



Control unit
for panel mounting
IP56

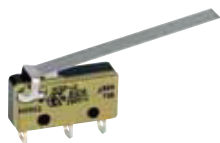
External dimensions (mm)	N. EN 50022 modules	Power dissipation (W)	Palazzoli code	Pack Q.ty
284x172	12	40	575506	1

Equipment included: n. 2 modular covers code 579904.



Set of 50 screws
for tamper-proof protection

For socket type	Palazzoli code	Pack Q.ty
topTER fused interlocked sockets	579855	1



Auxiliary contact NO+NC
for plug insertion signal

For socket type	Palazzoli code	Pack Q.ty
industrial and interlocked sockets	579850	1

Notes: topTER interlocked sockets set for 2 auxiliary contacts.



Equipotential bars
for earth connection

N. holes	Connection type	Palazzoli code	Pack Q.ty
4	M5 screws for wire end up to 25mmq	579013	1
10	M5 screws for wire end up to 25mmq	579014	1

Equipment included: connection screws and fixing supports.

Characteristics: suitable for topTER distribution boards with 239x456 and larger dimensions.



Modular covers

N. EN 50022 modules	For boards with code	Palazzoli code	Pack Q.ty
2	all topTER, PRIMA, ULYSSE and TAIS boards	579904	20

Uses: allows the unused modules to be covered, they ensure the IP40 protection rating.



Coupling fitting
with Pg threading
for topTER distribution boards
IP66

Pg	Mounting holes (mm)	For cables Ø (mm)	Palazzoli code	Pack Q.ty
21	29	21	580250	1



Transportation handles

For boards with code	Palazzoli code	Pack Q.ty
all the topTER boards	579011	1



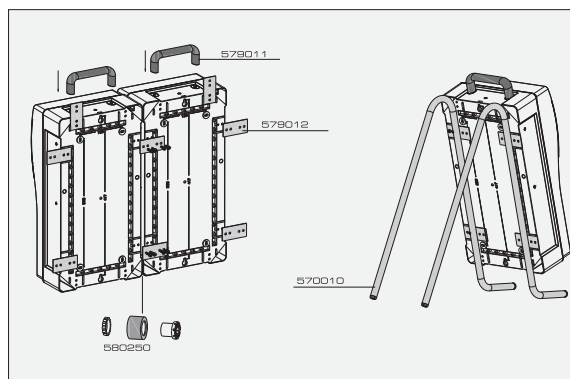
Pair of stainless steel plates
for wall mounting
of topTER distribution boards

For boards with code	Palazzoli code	Pack Q.ty
all the topTER boards	579012	10



Universal support
for topTER distribution boards

For boards with code	Palazzoli code	Pack Q.ty
all the topTER boards	570010	1





topTER 63A series low voltage switched sockets with mechanical interlock are a range of moulded products for standard uses, in compliance with the IEC/EN 60309-1, IEC/EN 60309-2 and IEC/EN 60309-4 standards. The system, with or without fuses, with IP65 protection rating, can be perfectly coordinated with topTER 16A and 32A products. Sockets are equipped with the Easy Contact receptacles to allow the best performance in time for the electric contact and to facilitate connection and disconnection operations. Fuses are located in ceramic housings in the frontal part of the socket behind a moulded lid. The interlock system is made of steel and the isolator switch is certified with the AC3-AC23A category at rated current. The range is completed by boxes and modular boards coordinated with those of the topTER series for 16A and 32A.

Rated operating current - isolator switch:

		63A	
Thermal current I _{th}		A	63
AC21A		A	63
AC22A		A	63
AC23A		A	63
AC23A	230V	kW	12
	400V		21
	500V		28
AC3	230V	kW	10
	400V		17
	500V		22

Terminal specifications:

		63A	
Entry diameters	mm ²	10 - 35	
Entry sections	Nm	3	

Conformity to standards	IEC/EN 60309-1 IEC/EN 60309-2 IEC/EN 60309-4 IEC/EN 60947-3
Body material	Technopolymer
Protection rating (IP as per IEC/EN 60529)	IP65
Colour	RAL7035
Resistance to abnormal heat and fire ("Glow Wire" as per IEC/EN 60695-2-10)	960°C (switch) 850°C (contact holder insert) 850°C (socket body)
Self-extinguishing grade (as per UL94)	V0 (switch) V2 (contact holder insert) V2 (socket body)
Resistance to impacts (IK rating as per IEC/EN 62262)	IK08
Rated current	63A
Rated voltage	110V - 400V
Rated frequency	50-60Hz
Rated insulation voltage	690V
Insulation class	II □
Storage temperature	-30°C - +70°C
Operating temperature	-25°C - +50°C



Resistance to chemical agents

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

Legend: ↑ high resistance → partial resistance ↓ low resistance



Switched sockets
with mechanical **interlock**,
for flush mounting
50-60Hz **IP65**



Rated current (A)	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
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	400V	Red	3P+⏏	6	481336	1
	400V	Red	3P+N+⏏	6	481346	1

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



Switched sockets
with mechanical **interlock**
and **fuse-holder**,
for flush mounting
50-60Hz **IP65**



Rated current (A)	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
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	400V	Red	3P+⏏	6	480336	1
	400V	Red	3P+N+⏏	6	480346	1

Equipment included: 6 x stainless steel screws for fastening to the distribution board or box.
Characteristics: padlockable handle. Fuses not included.

Technical accessories:



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EASY CONTACT

The **multi-lamellar crown** in silver plated copper guarantees:



- wider pin-plug contact surface;
- easy removal of the plugs from the sockets;
- perfect cleaning of the pin;
- hard-wearing, long-lasting electrical contact



Bottom box
for wall mounting
of one 63A switched socket
IP55

Dimensions (mm)	For socket type	Palazzoli code	Pack Q.ty
115x290	63A topTER interlocked sockets	579400	1

Equipment included: screwcaps for double insulation.



Distribution board
with **blind cover** for
one 63A switched socket
IP65

N. installable sockets	Power dissipation (W)	Dimensions (mm)	Palazzoli code	Pack Q.ty
1	22	122x452	579421	1

Equipment included: screwcaps for double insulation.



Distribution board
with **transparent window** for
one 63A switched socket
IP65

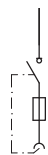
N. installable sockets	N. EN 50022 modules	Power dissipation (W)	External dimensions (mm)	Palazzoli code	Pack Q.ty
1	5	22	122x452	579631	1

Equipment included: screwcaps for double insulation. Modular covers.
Characteristics: padlockable modular window

Technical accessories:



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Switched sockets
with mechanical interlock
and fuse-holder, for flush
mounting
50-60Hz IP55

Rated current (A)	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
16 fuses 10,3x38	110V	Yellow	2P+ $\overline{\text{N}}$	4	480124	1
	230V	Blue	2P+ $\overline{\text{N}}$	6	480126	1
	400V	Red	3P+ $\overline{\text{N}}$	6	480136	1
	400V	Red	3P+N+ $\overline{\text{N}}$	6	480146	1
32 fuses 10,3x38	110V	Yellow	2P+ $\overline{\text{N}}$	4	480224	1
	230V	Blue	2P+ $\overline{\text{N}}$	6	480226	1
	400V	Red	3P+ $\overline{\text{N}}$	6	480236	1
	400V	Red	3P+N+ $\overline{\text{N}}$	6	480246	1
	380/440V	Red	3P+ $\overline{\text{N}}$	3	480233	1

Equipment included: 6 stainless steel screws for fastening to the distribution board or box.
Characteristics: padlockable handle. Fuses not included



Switched sockets
with mechanical interlock
and EN 50022 rail, for flush
mounting
50-60Hz IP55

Rated current (A)	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
16 3 modules	230V	Blue	2P+ $\overline{\text{N}}$	6	483126	1
	400V	Red	3P+ $\overline{\text{N}}$	6	483136	1
	400V	Red	3P+N+ $\overline{\text{N}}$	6	483146	1
32 3 modules	230V	Blue	2P+ $\overline{\text{N}}$	6	483226	1
	400V	Red	3P+ $\overline{\text{N}}$	6	483236	1
	400V	Red	3P+N+ $\overline{\text{N}}$	6	483246	1

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



Socket
with safety transformer (SELV),
for flush mounting
50-60Hz IP55

Rated current (A)	Frequency	Rated voltage	Poles	Power (VA)	Palazzoli code	Pack Q.ty
16	50-60Hz	230/24V~	2P	150	480024	1

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



Distribution boards
with blind cover for
TER switched sockets
IP55

N. installable sockets	Power dissipation (W)	Dimensions (mm)	Protection rating	Palazzoli code	Pack Q.ty
1	22	122x452	IP65	579421	1
2	40	250x452	IP55	579422	1
3	56	380x452	IP55	579423	1

Equipment included: screwcaps for double insulation.



Distribution boards
with transparent window for
TER switched sockets
IP55

N. installable sockets	N. EN 50022 modules	Power dissipation (W)	External dimensions (mm)	Protection rating	Palazzoli code	Pack Q.ty
1	5	22	122x452	IP65	579631	1
2	12	40	250x452	IP55	579622	1
3	18	56	380x452	IP55	579623	1

Equipment included: screwcaps for double insulation.
Characteristics: padlockable modular window

Technical accessories:



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TER series

Vertical interlocked sockets with EN 50022 rail

Thermoplastic
standard uses

INTERLOCKED
SOCKETS



Bottom box
for wall mounting
IP55

Dimensions (mm)	For socket type	Palazzoli code	Pack Q.ty
115x290	63A with and without fuseholder base	579400	1

Equipment included: screwcaps for double insulation.

Technical accessories:



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Bottom box
for flush mounting
IP55

Dimensions (mm)	For socket type	Palazzoli code	Pack Q.ty
145x320	IP55 with fuseholder base 16/32A	579211	1



Bottom box
for panel mounting
IP55

Dimensions (mm)	For socket type	Palazzoli code	Pack Q.ty
150x300	IP55 63A with and without fuseholder base	575502	1

Equipment included: screwcaps for double insulation.

Uses: for mounting of panels made of sheet metal, wood, plasterboard or insulating material.



Flange
for mounting 2 sockets or
2 caps in a distribution board
for TER switched sockets
IP55

Dimensions (mm)	N. total devices	Max with 65x83 flange	Max with 88x100 flange	Palazzoli code	Pack Q.ty
115x290	2	2	2	579719	1

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

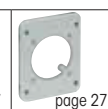
Technical accessories:



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Flange
for mounting 1 CEE 63A
socket or inlet in a distribution
board for TER switched
sockets
IP55

Dimensions (mm)	For socket type	Palazzoli code	Pack Q.ty
115x290	63A CEE series	579910	1

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

Technical accessories:



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Closing flange
IP55

Dimensions (mm)	For socket type	Palazzoli code	Pack Q.ty
115x290	interlocked with fuse holder base	579902	1

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



ULYSSE series

Pre-wired quick assembly interlocked sockets

Thermosetting (GRP)
heavy duty



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



ULYSSE series

Pre-wired quick assembly interlocked sockets

Thermosetting (GRP)
heavy duty

INTERLOCKED
SOCKETS



You can save up to 30% of time while installing, thanks to mounting with only two screws and pre-wired sockets

THE ADVANTAGES



Pre-wired sockets and easy clipping mounting plates make ULYSSE heavy duty interlocked sockets quick to install.



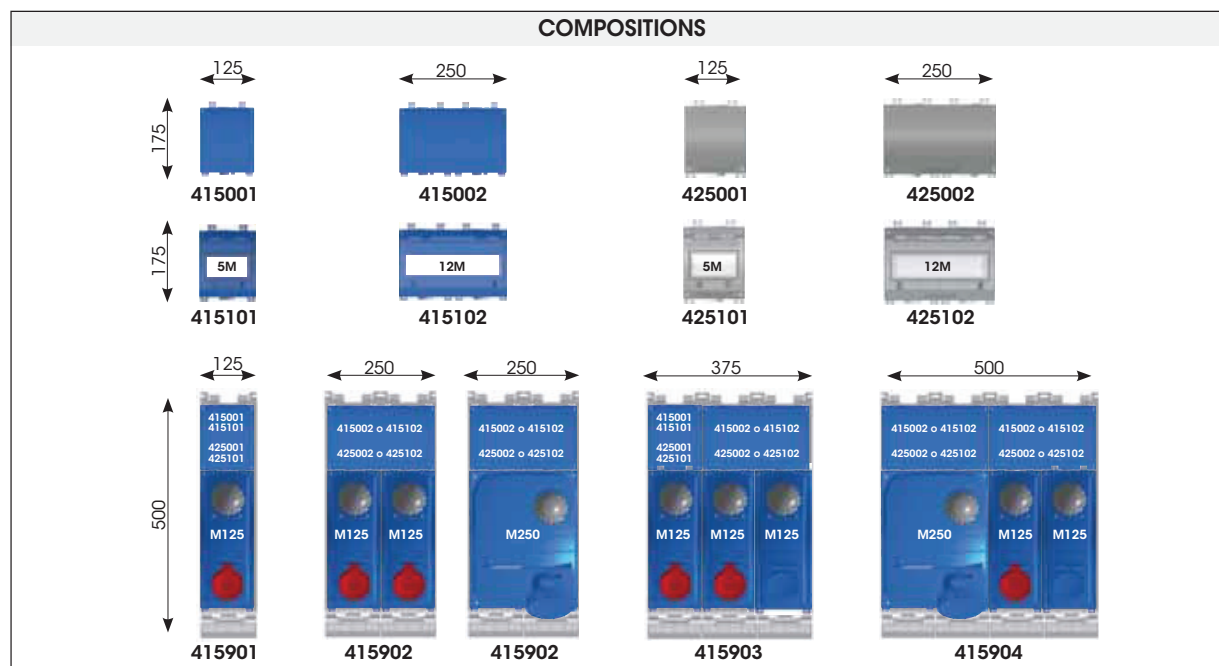
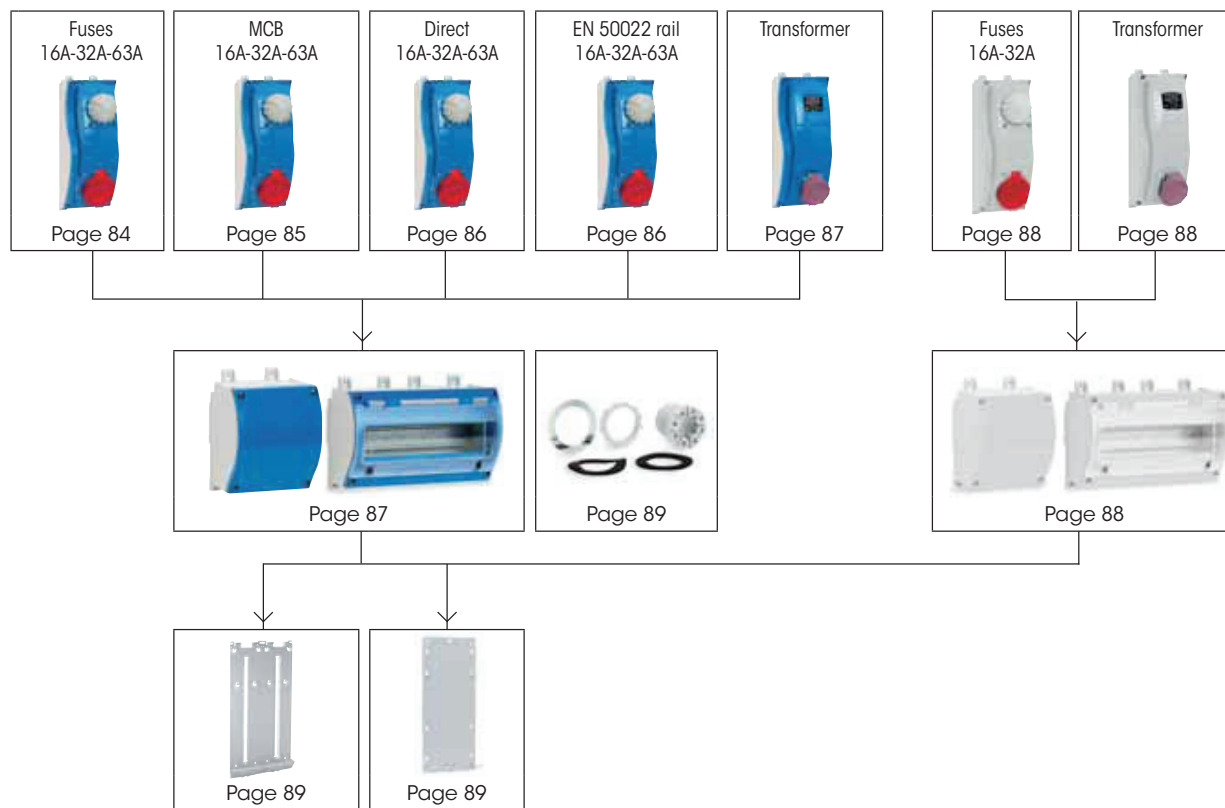
With just a few codes you can realize endless solutions. Even the 63A socket is perfectly modular and this allows to keep the quick installation and aesthetic appearance.



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



ULYSSE is the only heavy duty interlocked socket with a white version, especially designed for food processing industries and medical areas, or to be used coordinated with topTER series.



Easy Composer software allows for an easy combining of customized units.
It is available on www.palazzoli.com or directly from the QR Code.





ULYSSE series low voltage switched sockets with mechanical interlock are a range of products in thermosetting (GRP) for heavy duty uses, in compliance with the IEC/EN 60309-1, IEC/EN 60309-2 and IEC/EN 60309-4 standards. The system contains versions from 16A up to 63A, with or without fuses, with MCB integrated or with an EN 50022 rail that can be fitted with modular devices.

All sockets have an IP66/IP67 protection rating and can be combined in compositions thanks to the boxes with blind cover or transparent window. The system is completely modular, all the sockets are pre-wired and can be snap mounted guaranteeing the coupling without any fittings.

The versions above 32A are equipped with the Easy Contact receptacles to allow the best performance in time for the electric contact and to facilitate connection and disconnection operations. The protections are located in the frontal part of the body, behind a lid made of thermosetting (GRP).

The interlock system is made of steel and the isolator switch is certified with the AC3-AC23A category at rated current.

The range is completed by a white version, especially designed for food processing industries and medical areas, or to use in coordination with the topTER series.

Rated operating current - isolator switch:

			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	mm²	2,5	6	10
Cable length	cm	40	40	40

Conformity to standards
**IEC/EN 60309-1
IEC/EN 60309-2
IEC/EN 60309-4
IEC/EN 60947-3**

Body material
Thermosetting (GRP)

Protection rating (IP as per IEC/EN 60529)
IP66/IP67

Colour
**RAL5015 (cover)
RAL7035 (base)**

Resistance to abnormal heat and fire ("Glow Wire" as per IEC/EN 60695-2-10)
960°C

Self-extinguishing grade (as per UL94)
V0

Resistance to impacts (IK rating as per IEC/EN 62262)
IK10

Rated current
16A - 32A - 63A

Rated voltage
24V - 500V

Rated frequency
50-60Hz

Rated insulation voltage
690V

Insulation class
II □

Storage temperature
-50°C - +80°C

Operating temperature
-25°C - +50°C



Resistance to chemical agents

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

Legend: ↑ high resistance → partial resistance



MODULE 125



Switched sockets
in thermosetting (GRP) with
mechanical **interlock** and
fuse-holder, for wall mounting
IP66/IP67



pre-wired sockets

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
16 entry Pg29 fuses 10,3x38	50-60Hz	110V	Yellow	2P+⊕	4	400124	1
	50-60Hz	110V	Yellow	3P+⊕	4	400134	1
	50-60Hz	110V	Yellow	3P+N+⊕	4	400144	1
	50-60Hz	230V	Blue	2P+⊕	6	400126	1
	50-60Hz	230V	Blue	3P+⊕	9	400139	1
	50-60Hz	230V	Blue	3P+N+⊕	9	400149	1
	50-60Hz	400V	Red	2P+⊕	9	400129	1
	50-60Hz	400V	Red	3P+⊕	6	400136	1
	50-60Hz	400V	Red	3P+N+⊕	6	400146	1
	50-60Hz	500V	Black	3P+⊕	7	400137	1
	50-60Hz	500V	Black	3P+N+⊕	7	400147	1
	50-60Hz	>50V *	Grey	2P+⊕	12	401122	1
	50-60Hz	>50V *	Grey	3P+⊕	12	401132	1
	100-300Hz	>50V	Green	2P+⊕	10	400120	1
	100-300Hz	>50V	Green	3P+⊕	10	400130	1
	100-300Hz	>50V	Green	3P+N+⊕	10	400140	1
	>300-500Hz	>50V	Green	2P+⊕	2	400122	1
	>300-500Hz	>50V	Green	3P+⊕	2	400132	1
	>300-500Hz	>50V	Green	3P+N+⊕	2	400142	1
	60Hz	440÷460V	Red	3P+⊕	11	400131	1
	60Hz	440÷460V	Red	3P+N+⊕	11	400141	1
	DC	>50÷250V	Grey	2P+⊕	3	400123	1

* For insulation transformer.

Equipment included: all the sockets are pre-wired with peeled numbered cables.
Characteristics: fuses not included. Padlockable handle.

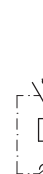
Technical accessories:



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MODULE 125



Switched sockets
in thermosetting (GRP) with
mechanical **interlock** and
fuse-holder, for wall mounting
IP66/IP67



pre-wired sockets

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
32 entry Pg29 fuses 14x51	50-60Hz	110V	Yellow	2P+⊕	4	400224	1
	50-60Hz	110V	Yellow	3P+⊕	4	400234	1
	50-60Hz	110V	Yellow	3P+N+⊕	4	400244	1
	50-60Hz	230V	Blue	2P+⊕	6	400226	1
	50-60Hz	230V	Blue	3P+⊕	9	400239	1
	50-60Hz	230V	Blue	3P+N+⊕	9	400249	1
	50-60Hz	400V	Red	2P+⊕	9	400229	1
	50-60Hz	400V	Red	3P+⊕	6	400236	1
	50-60Hz	400V	Red	3P+N+⊕	6	400246	1
	50-60Hz	500V	Black	3P+⊕	7	400237	1
	50-60Hz	500V	Black	3P+N+⊕	7	400247	1
	50-60Hz	>50V *	Grey	2P+⊕	12	401222	1
	50-60Hz	>50V *	Grey	3P+⊕	12	401232	1
	100-300Hz	>50V	Green	2P+⊕	10	400220	1
	100-300Hz	>50V	Green	3P+⊕	10	400230	1
	100-300Hz	>50V	Green	3P+N+⊕	10	400240	1
	>300-500Hz	>50V	Green	2P+⊕	2	400222	1
	>300-500Hz	>50V	Green	3P+⊕	2	400232	1
	>300-500Hz	>50V	Green	3P+N+⊕	2	400242	1
	60Hz	440÷460V	Red	3P+⊕	11	400231	1
	60Hz	440÷460V	Red	3P+N+⊕	11	400241	1
	DC	>50÷250V	Grey	2P+⊕	3	400223	1
	50/60Hz	380/440V	Red	3P+⊕	3	400233	1
	50/60Hz	380/440V	Red	3P+N+⊕	3	400243	1

* For insulation transformer.

Equipment included: all the sockets are pre-wired with peeled numbered cables.
Characteristics: fuses not included. Padlockable handle.

Technical accessories:



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MODULE 250



Switched sockets
in thermosetting (GRP) with
mechanical **interlock** and
fuse-holder, for wall mounting
IP66/IP67



pre-wired sockets

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
63 entry 2xPg29	50-60Hz	110V	Yellow	2P+⊕	4	400324	1
	50-60Hz	110V	Yellow	3P+⊕	4	400334	1
fuses 22x58	50-60Hz	110V	Yellow	3P+N+⊕	4	400344	1
	50-60Hz	230V	Blue	2P+⊕	6	400326	1
	50-60Hz	230V	Blue	3P+⊕	9	400339	1
	50-60Hz	230V	Blue	3P+N+⊕	9	400349	1
	50-60Hz	400V	Red	2P+⊕	9	400329	1
	50-60Hz	400V	Red	3P+⊕	6	400336	1
	50-60Hz	400V	Red	3P+N+⊕	6	400346	1
	50-60Hz	500V	Black	3P+⊕	7	400337	1
	50-60Hz	500V	Black	3P+N+⊕	7	400347	1
	50-60Hz	>50V *	Grey	2P+⊕	12	401322	1
	50-60Hz	>50V *	Grey	3P+⊕	12	401332	1
	60Hz	440÷460V	Red	3P+⊕	11	400331	1
	60Hz	440÷460V	Red	3P+N+⊕	11	400341	1
	DC	>50÷250V	Grey	2P+⊕	3	400323	1

* For insulation transformer.

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

Characteristics: 63A socket is perfectly modular with 16A and 32A versions (same height and double width) and is installed in the same way with the same accessories. Fuses not included. Padlockable handle.

Technical accessories:



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EASY CONTACT



The **multi-lamellar crown** in silver plated copper guarantees:

- wider pin-plug contact surface;
- easy removal of the plugs from the sockets;
- perfect cleaning of the pin;
- hard-wearing, long-lasting electrical contact

MODULE 125



Switched sockets
in thermosetting (GRP) with
mechanical **interlock** and
MCB, for wall mounting
IP66/IP67



pre-wired sockets

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
16 entry Pg29	50-60Hz	110V	Yellow	2P+⊕	4	403124	1
	50-60Hz	110V	Yellow	3P+⊕	4	403134	1
MCB 4,5kA curve C	50-60Hz	110V	Yellow	3P+N+⊕	4	403144	1
	50-60Hz	230V	Blue	2P+⊕	6	403126	1
	50-60Hz	230V	Blue	3P+⊕	9	403139	1
	50-60Hz	230V	Blue	3P+N+⊕	9	403149	1
	50-60Hz	400V	Red	2P+⊕	9	403129	1
	50-60Hz	400V	Red	3P+⊕	6	403136	1
	50-60Hz	400V	Red	3P+N+⊕	6	403146	1
	60Hz	440÷460V	Red	3P+⊕	11	403131	1
	60Hz	440÷460V	Red	3P+N+⊕	11	403141	1
	50-60Hz	110V	Yellow	2P+⊕	4	403224	1
32 entry Pg29	50-60Hz	110V	Yellow	3P+⊕	4	403234	1
	50-60Hz	110V	Yellow	3P+N+⊕	4	403244	1
	50-60Hz	230V	Blue	2P+⊕	6	403226	1
	50-60Hz	230V	Blue	3P+⊕	9	403239	1
	50-60Hz	230V	Blue	3P+N+⊕	9	403249	1
	50-60Hz	400V	Red	2P+⊕	9	403229	1
	50-60Hz	400V	Red	3P+⊕	6	403236	1
	50-60Hz	400V	Red	3P+N+⊕	6	403246	1
	60Hz	440÷460V	Red	3P+⊕	11	403231	1
	60Hz	440÷460V	Red	3P+N+⊕	11	403241	1
MCB 6kA curve C	50/60Hz	380/440V	Red	3P+⊕	3	403233	1

MODULE 250



Switched sockets
in thermosetting (GRP) with
mechanical **interlock** and
MCB, for wall mounting
IP66/IP67



pre-wired sockets

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
63 entry 2xPg29	50-60Hz	110V	Yellow	2P+⊕	4	403324	1
	50-60Hz	110V	Yellow	3P+⊕	4	403334	1
MCB 10kA curve C	50-60Hz	110V	Yellow	3P+N+⊕	4	403344	1
	50-60Hz	230V	Blue	2P+⊕	6	403326	1
	50-60Hz	230V	Blue	3P+⊕	9	403339	1
	50-60Hz	230V	Blue	3P+N+⊕	9	403349	1
	50-60Hz	400V	Red	2P+⊕	9	403329	1
	50-60Hz	400V	Red	3P+⊕	6	403336	1
	50-60Hz	400V	Red	3P+N+⊕	6	403346	1
	60Hz	440÷460V	Red	3P+⊕	11	403331	1
	60Hz	440÷460V	Red	3P+N+⊕	11	403341	1

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

Characteristics: 63A socket is perfectly modular with 16A and 32A versions (same height and double width) and is installed in the same way with the same accessories. Padlockable handle.

Technical accessories:



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MODULE 125



Switched sockets
in thermosetting (GRP) with
mechanical **interlock** and
EN 50022 rail, for wall mounting
50-60Hz **IP66/IP67**



pre-wired sockets

Rated current (A)	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
16	230V	Blue	2P+⊕	6	406126	1
entry Pg29 4,5 modules	400V	Red	3P+⊕	6	406136	1
	400V	Red	3P+N+⊕	6	406146	1
32	230V	Blue	2P+⊕	6	406226	1
entry Pg29 4,5 modules	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 EN 50022 rail.
Characteristics: padlockable handle.

MODULE 250



Switched sockets
in thermosetting (GRP) with
mechanical **interlock** and
EN 50022 rail, for wall mounting
50-60Hz **IP66/IP67**



pre-wired sockets

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

Equipment included: all the sockets are pre-wired up to the EN 50022 rail.
Characteristics: 63A socket is perfectly modular with 16A and 32A versions (same height and double width) and is installed in the same way with the same accessories. Padlockable handle.

Technical accessories:



MODULE 125



Switched sockets
in thermosetting (GRP) with
mechanical **interlock**,
for wall mounting
50-60Hz **IP66/IP67**



pre-wired sockets

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

Equipment included: all the sockets are pre-wired with peeled numbered cables.
Characteristics: padlockable handle.

MODULE 250



Switched sockets
in thermosetting (GRP) with
mechanical **interlock**,
for wall mounting
50-60Hz **IP66/IP67**



pre-wired sockets

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

Equipment included: all the sockets are pre-wired with peeled numbered cables.
Characteristics: 63A socket is perfectly modular with 16A and 32A versions (same height and double width) and is installed in the same way with the same accessories. Padlockable handle.

Technical accessories:





ULYSSE series

Pre-wired quick assembly interlocked sockets

Thermosetting (GRP)
heavy duty

MODULE 125



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 Q.ty
16 entry Pg29	230/24V~	2P	150	409873	1

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

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

Technical accessories:



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EASY COMPOSER

Software for easy combining of customized units.

ULYSSE



1. Select the socket type	2. Compose your board	3. Download the certificates

It is available on
www.palazzoli.com



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

External dimensions (mm)	N. upper entry	N. lower entry	Palazzoli code	Pack Q.ty
125x175x128	Blind	1	415001	1
250x175x128	Blind	2	415002	1

Equipment included: coupling fitting. Gaskets for interlocked socket-outlets.

Characteristics: smooth side walls with references for drilling.



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

External dimensions (mm)	N. EN 50022 modules	N. upper entry	N. lower entry	Palazzoli code	Pack Q.ty
125x175x128	5	Blind	1	415101	1
250x175x128	12	Blind	2	415102	1

Equipment included: modular covers, coupler, gaskets for interlocked socket-outlets.

Characteristics: smooth side walls with references for drilling.

Padlockable window.

Technical accessories:



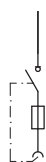
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MODULE 125



Switched sockets
in thermosetting (GRP) with
mechanical **interlock** and
fuse-holder, for wall mounting
50-60Hz **IP66/IP67**



pre-wired sockets

Rated current (A)	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
16 entry Pg29 fuses 10,3x38	230V	Blue	2P+⏏	6	420126	1
	400V	Red	3P+⏏	6	420136	1
	400V	Red	3P+N+⏏	6	420146	1
32 entry Pg29 fuses 14x51	230V	Blue	2P+⏏	6	420226	1
	400V	Red	3P+⏏	6	420236	1
	400V	Red	3P+N+⏏	6	420246	1

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

Characteristics: padlockable handle.

Technical accessories:



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MODULE 125



Sockets
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 Q.ty
16 entry Pg29	230/24V~	2P	150	429873	1

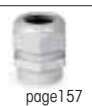
Equipment included: all the sockets are pre-wired with peeled numbered cables.

Characteristics: 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

External dimensions (mm)	N. upper entry	N. lower entry	Palazzoli code	Pack Q.ty
125x175x128	Blind	1	425001	1
250x175x128	Blind	2	425002	1

Equipment included: coupling fitting. Gaskets for interlocked socket-outlets.

Characteristics: smooth side walls with references for drilling.



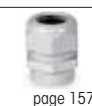
Boxes
in thermosetting (GRP)
with **transparent window** for
composition of socket boards
IP66/IP67

External dimensions (mm)	N. EN 50022 modules	N. upper entry	N. lower entry	Palazzoli code	Pack Q.ty
125x175x128	5	Blind	1	425101	1
250x175x128	12	Blind	2	425102	1

Equipment included: modular covers, coupler, gaskets for interlocked socket-outlets.

Characteristics: smooth side walls with references for drilling.
Padlockable window.

Technical accessories:



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

Dimensions (mm)	N. installable devices		Palazzoli code	Pack Q.ty
	Mod. 125	Mod. 250		
125x500	1	-	415901	1
250x500	2	1	415902	1
375x500	3	1	415903	1
500x500	4	2	415904	1

Equipment included: small plates for side coupling of plates.



Mounting **plates**
in **thermosetting** (GRP) for
composition of socket boards

Dimensions (mm)	N. installable devices		Palazzoli code	Pack Q.ty
	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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EN 50022 rails for fixing
modular devices
in boxes with blind cover

N. EN 50022 modules	For boxes with dimensions (mm)	Palazzoli code	Pack Q.ty
5	125x175x128	415011	1
12	250x175x128	415012	1



**Kit for coupling
boxes
IP66/IP67**

Fitting diameter	Mounting hole (mm)	Palazzoli code	Pack Q.ty
Pg21/29	29	415000	100

Uses: in realizing compositions, it allows lateral coupling of boxes.



TAIS series

Interlocked sockets with increased security

Thermosetting (GRP)
heavy duty



Suitable for wine cellars, port areas, airports, cold rooms and industrial facilities.



TAIS series

Interlocked sockets with increased security

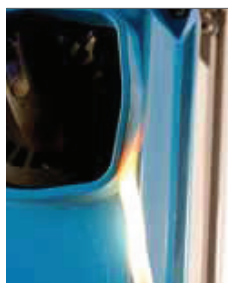
Thermosetting (GRP)
heavy duty

INTERLOCKED
SOCKETS



The most complete system of interlocked sockets and isolator switches. You can install and forget !

THE ADVANTAGES



All the products of the TAIS series are made of thermosetting (GRP), the material by Palazzoli that eliminates the propagation of flames, does not emit toxic gases and resists over time the reaction to chemical agents.

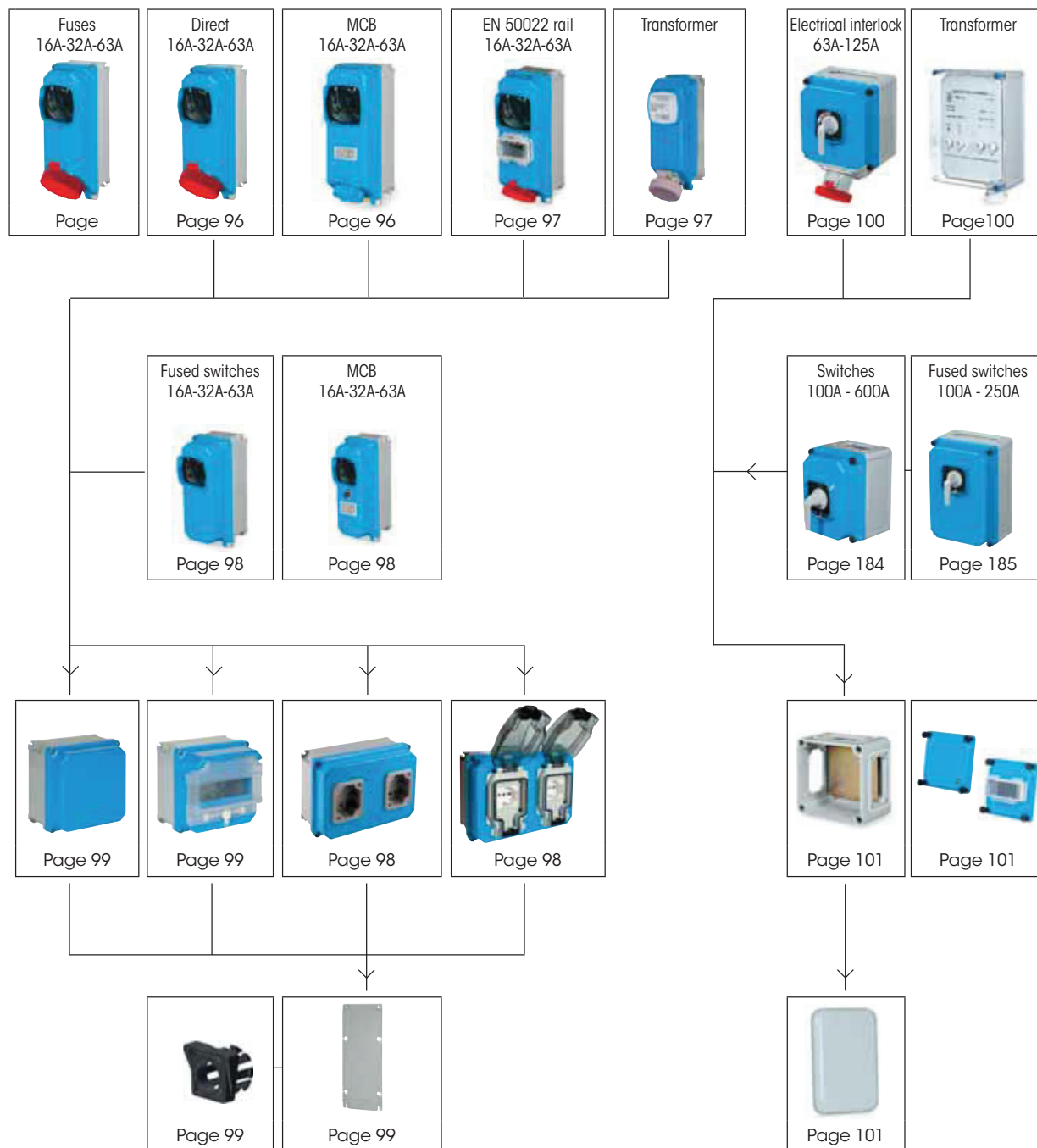


The TAIS "heart" is an isolator switch with the AC3-AC23A category at rated current that allows safe operation even with highly inductive loads.

The fuse-holder base in ceramic and interlock system in steel, which are tightly fixed on the bottom of the socket, are the best materials for the maximum safety.



TAIS operation is the only patented system that allows to identify the switch status even at far distance. It is predisposed to be padlocked in positions 0 and 1.



Easy Composer software allows for an easy combining of customized units.
It is available on www.palazzoli.com or directly from the QR Code.



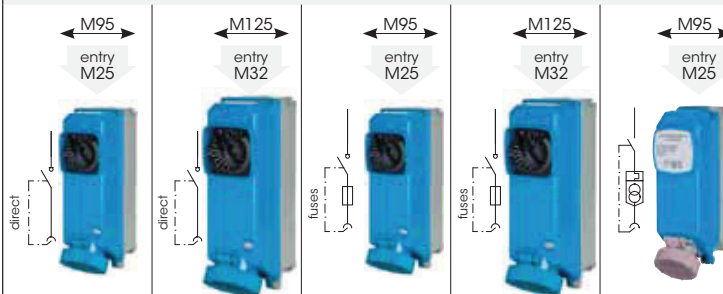


COUPLING FITTINGS



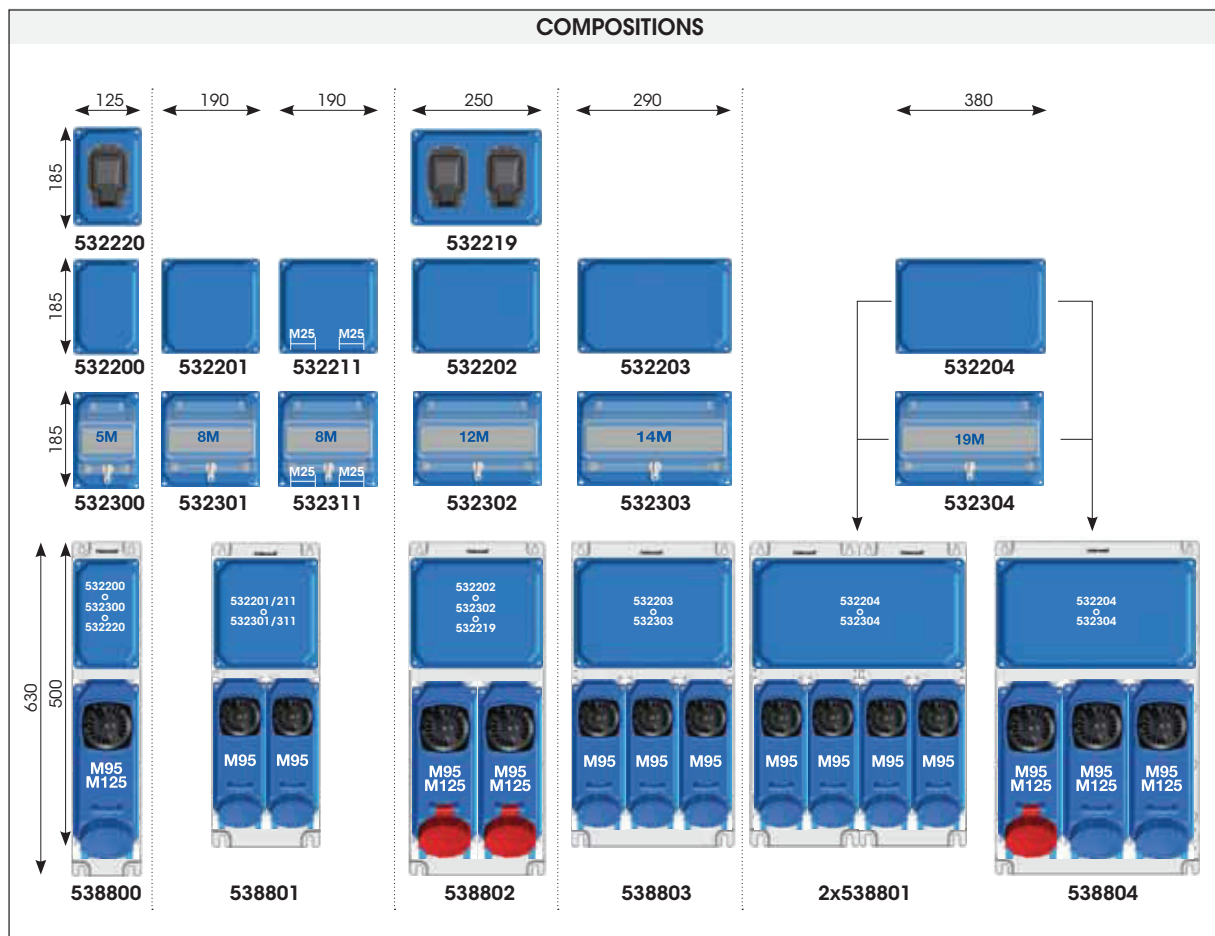
M25 **538425**
M32 **538432**

INTERLOCKED SOCKETS



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+⊕		470336		472832
16A	24V	2P 150 VA				469873

COMPOSITIONS





TAIS series low voltage switched sockets with mechanical or electrical interlock are a range of products in thermosetting (GRP) for heavy duty uses, in compliance with the IEC/EN 60309-1, IEC/EN 60309-2 and IEC/EN 60309-4 standards.

The system contains versions from 16A up to 125A, with or without fuses, with MCB integrated or with an EN 50022 rail that can be fitted with modular devices. All the sockets have an IP67 or IP66/IP67 protection rating and can be combined in compositions thanks to the boxes with blind cover or transparent window.

The versions above 32A are equipped with the Easy Contact receptacles to allow the best performance in time for the electric contact and to facilitate connection and disconnection operations.

The circuit protection, such as the fuses located in ceramic holder base and the MCBs fixed on EN 50022 rail, are tightly fixed on the bottom of the socket and accessible by opening the frontal lid made of thermosetting (GRP).

The interlock system is made of steel and the isolator switch is certified with the AC3-AC23A category at rated current.

Rated operating current - isolator switch:

			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

Terminal specifications:

		16A	32A	63A
Entry diameters	mm ²	1 - 10		6 - 16
Entry sections	Nm	2		

Conformity
to standards

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

Body
material

Thermosetting (GRP)

Protection rating
(IP as per
IEC/EN 60529)

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

Colour

RAL5015 (cover)
RAL7042 (base)

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

960°C

Self-extinguishing
grade (as per UL94)

V0

Resistance to impacts
(IK rating as per
IEC/EN 62262)

IK10

Rated
current

16A - 32A - 63A - 125A

Rated
voltage

24V - 690V

Rated
frequency

50-60Hz

Rated
insulation voltage

690V

Insulation
class

II □

Storage
temperature

-50°C - +80°C

Operating
temperature

-25°C - +50°C



Resistance to chemical agents

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

Legend: ↑ high resistance → partial resistance



MODULE 95



Switched sockets
in thermosetting (GRP) with
mechanical **interlock** and
fuse-holder, for wall mounting
IP66/IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
16 entry M25 fuses E16 NDZ	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
	>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
32 entry M25 fuses E16 NDZ	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

Characteristics: handle predisposed to be padlocked. Fuses not included.
Notes: special configurations upon request.

Technical accessories:



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MODULE 125



Switched sockets
in thermosetting (GRP) with
mechanical **interlock** and
fuse-holder, for wall mounting
IP67



Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
32 entry M32 fuses E33 DIII	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
	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
63 entry M32 fuses E33 DIII	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
	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

Characteristics: handle predisposed to be padlocked. Fuses not included.
Notes: special configurations upon request.

Technical accessories:



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Module 125 sockets are predisposed for bottom entry



MODULE 125



Switched sockets
in thermosetting (GRP) with
mechanical **interlock** and
MCB, for wall mounting
IP67



Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
16 entry M25	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
32 entry M32	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
MCB 6kA curve C	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
63 entry M32	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
MCB 10kA curve C	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

Characteristics: handle predisposed to be padlocked. Lamp indicating presence of voltage.
Notes: special configurations upon request.

Technical accessories:



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Module 125 sockets are predisposed for bottom entry

MODULE 95



Switched sockets
in thermosetting (GRP) with
mechanical **interlock**,
for wall mounting
50-60Hz **IP66/IP67**

Rated current (A)	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
16 entry M25	230V	Blue	2P+⊕	6	470126	1
	400V	Red	3P+⊕	6	470136	1
	400V	Red	3P+N+⊕	6	470146	1
	380/440V	Red	3P+⊕	3	469233	1
32 entry M25	230V	Blue	2P+⊕	6	469226	1
	400V	Red	3P+⊕	6	469236	1
	400V	Red	3P+N+⊕	6	469246	1
	380/440V	Red	3P+⊕	3	469233	1

Characteristics: handle predisposed to be padlocked.
Notes: special configurations upon request.

MODULE 125



Switched sockets
in thermosetting (GRP) with
mechanical **interlock**,
for wall mounting
50-60Hz **IP67**



Rated current (A)	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
16 entry M25	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 entry M32	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 entry M32	230V	Blue	2P+⊕	6	470326	1
	400V	Red	3P+⊕	6	470336	1
	400V	Red	3P+N+⊕	6	470346	1

Characteristics: handle predisposed to be padlocked.
Notes: special configurations upon request.

Technical accessories:



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Module 125 sockets are predisposed for bottom entry



MODULE 125



Switched sockets
in thermosetting (GRP) with
mechanical **interlock** and
EN 50022 rail, for wall mounting
50-60Hz **IP67**



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

Equipment included: all the sockets are pre-wired up to the EN 50022 rail.

Characteristics: padlockable window and with tamper-proof screw.

Notes: special configurations upon request.

Technical accessories:



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EASY COMPOSER

Software for easy combining of customized units.

TAIS



1. Select the socket type	2. Compose your board	3. Download the certificates

It is available on www.palazzoli.com



MODULE 95



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 Q.ty
16 entry M25	230/24V	2P	150	469873	1

Characteristics: continuous class II duty safety transformer enabled by the plug-activated microswitch.

MODULE 125



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 Q.ty
16 entry M25	230/24V	2P	144	471873	1
	400/24V	2P	144	471893	1

Characteristics: continuous class II duty safety transformer enabled by the plug-activated microswitch.

Technical accessories:



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Module 125 sockets are predisposed for bottom entry



MODULE 95



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

Rated current (A)	Poles	Entry/exit	Palazzoli code	Pack Q.ty
16	3P	M25	290163	1
fuses E16 NDZ	4P	M25	290164	1
32	3P	M25	290323	1
fuses E33 NDZ	4P	M25	290324	1

Characteristics: handle predisposed to 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 Q.ty
63	3P	M32	290762	1
fuses E33 DIII	4P	M32	290763	1

Characteristics: handle predisposed to 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 Q.ty
16	3P	M25	291163	1
MCB 4,5kA curve C	4P	M25	291164	1
32	3P	M32	291323	1
MCB 6kA curve C	4P	M32	291324	1
63	3P	M32	291633	1
MCB 10kA curve C	4P	M32	291634	1

Characteristics: handle predisposed to be padlocked.

Technical accessories:

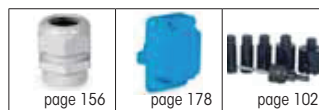


Boxes
in thermosetting (GRP)
predisposed for
TAIS-MIGNON devices

External dimensions (mm)	Installable devices	Palazzoli code	Pack Q.ty
125x185	1	532210	1
250x185	2	532209	1

Characteristics: the box can be directly wall mounted or installed in compositions. Supplied with drilling template.

Technical accessories:



Boxes
in thermosetting (GRP)
with **P17/P30 schuko sockets**
plugged-in in **watertight caps**
IP66

External dimensions (mm)	Socket type	Palazzoli code	Pack Q.ty
125x185	1 x P30/P17	532220	1
250x185	2 x P30/P17	532219	1

Characteristics: the box can be directly wall mounted or installed in compositions. Supplied with drilling template.

Technical accessories:





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

External dimensions (mm)	Holes	Max number of installable sockets		Palazzoli code	Pack Q.ty
		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.
Characteristics: supplied with drilling template.



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

External dimensions (mm)	Holes	Max number of installable sockets		N. EN 50022 modules	Palazzoli code	Pack Q.ty
		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.
Characteristics: supplied with drilling template.

Technical accessories:



Fitting 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 Q.ty
M25	25,5	16	538425	1
M32	32,5	20	538432	1



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

External dimensions (mm)	Max number of installable sockets		Palazzoli code	Pack Q.ty
	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 plates code	Palazzoli code	Pack Q.ty
538701, 538702, 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



Switched sockets
in thermosetting (GRP) with
electrical interlock and
MCB, for wall mounting
50-60Hz IP65



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

Characteristics: complete with pilot contact for electrical interlock. The screws can be sealed.

MODULE 250



Switched sockets
in thermosetting (GRP) with
electrical interlock, MCB and
RCD, for wall mounting
50-60Hz IP65



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

Characteristics: complete with pilot contact for electrical interlock. The screws can be sealed.

Technical accessories:



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MODULE 250



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

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

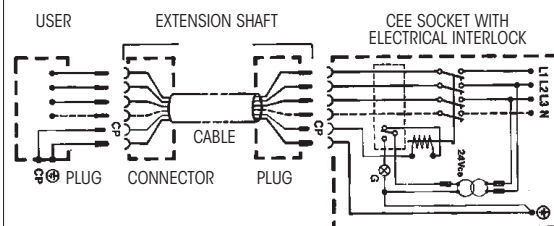
Characteristics: continuous class II duty safety transformer enabled by the plug-activated microswitch. The screws can be sealed.

Technical accessories:



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CONNECTING SCHEME



ELECTRICALLY INTERLOCKED SOCKET PROTECTION CHARACTERISTICS

MCB

Rated impulse seal voltage U_i	500V
Rated impulse-withstand voltage U_{imp}	800V
Breaking capacity I_{cu} (400V)	18kA
Breaking capacity I_{cu} (500V)	8kA
Mechanical duration	25000 operations
Electrical duration	8000 operations
Overload protection regulation	0,7-1 x I_n
Short circuit protection	10 x I_n
Neutral protection	100%

RCD

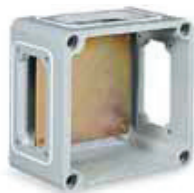
Protection type	A - AC
Operating voltage	85-500V
Operating frequency	45-66Hz
Failure frequency	50-60Hz
Intervention threshold regulation	0,03A - 0,1A - 0,3A - 0,5A - 1A - 3A
Intervention time	instantaneous



TAIS series

Interlocked sockets with increased security

Thermosetting (GRP)
heavy duty

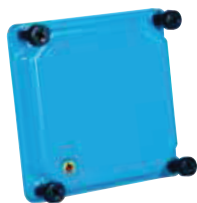


Boxes
in thermosetting (GRP) for
compositions of socket
boards
IP67

External dimensions (mm)	Window type	Installable socket module	Palazzoli code	Pack Q.ty
		2x95/2x125	531220	1
250x185x115		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 145.

Technical accessories:



Blind covers
low, in thermosetting (GRP)
for TAIS boxes
IP67

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

Equipment included: screws that can be sealed.



Windowed covers
in polycarbonate
for TAIS boxes
IP67

For boxes with dimensions (mm)	Cover height (mm)	N. EN 50022 modules	Palazzoli code	Pack Q.ty
250x185	80	11	535643	1

Equipment included: screws that can be sealed, EN 50022 rail and screw for mounting on the plate.

Characteristics: padlockable window with tamper-proof screws.



Blind flanges
flat, in thermosetting (GRP),
for windowed walls
IP67

Type	Window dimensions (mm)	Flange height (mm)	Palazzoli code	Pack Q.ty
a	110x60	15	538110	2
b	175x60	15	538210	2

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



Blind flanges
raised, in thermosetting (GRP), for windowed walls
IP67

Type	Window dimensions (mm)	Flange height (mm)	Palazzoli code	Pack Q.ty
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 aids entry of large cables or pipes and facilitates easier cabling.

Technical accessories:



Supports for bus bars
for TAIS boxes

Installable on window type	Installable bus bars (mm)	Palazzoli code	Pack Q.ty
a	3 of 16x4 (16x5 - 20x4 - 20x5), 2 of 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: used for locating conducting busbars – suited only to the TAIS range with windows type "a" and "b".



TAIS series

Interlocked sockets with increased security

Thermosetting (GRP)
heavy duty



Back plates
in galvanized steel
for junction boxes

For quick mounting boxes with dimensions (mm)	Palazzoli code	Pack Q.ty
125x185	532700	1
190x185	532701	1
250x185	532702	1
290x185	532703	1
380x185	532704	1

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



Tamper-proof kit
for sealing

Screw type	Description	Palazzoli code	Pack Q.ty
M5x20	stainless steel screws	532100	1

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



Milling cutters, cup shaped,
in steel, for quick drill
connection, tungsten carbide
gear teeth, specific for
thermosetting

Hole type	Diameter (mm)	Palazzoli code	Pack Q.ty
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 gland
in insulating material
with **metric threading**
with **long thread**
IP68

Threading	Mounting hole (mm)	Closing diameter (mm)	Thread length (mm)	Palazzoli code	Pack Q.ty
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 Q.ty
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 holes.



Transparent lid
in polycarbonate
for modular devices

N. EN 50022 modules	Dimensions (mm)	Palazzoli code	Pack Q.ty
4	92x84x30	538610	10
6,5 or 7,5	152x84x30	538620	10
9 or 11	214x84x30	538630	5

Characteristics: tamper-proof screws and padlockable window.



Boxes
in thermosetting (GRP)
with **blind cover** for
compositions of socket
boards
IP67

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

Characteristics: supplied with drilling template.



Boxes
in thermosetting (GRP)
with **transparent window** for
compositions of socket
boards
IP67

External dimensions (mm)	Window type	Installable socket module	EN 50022 module number	Power dissipation (W)	Palazzoli code	Pack Q.ty
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

Characteristics: supplied with drilling template.
Padlockable window and with tamper-proof screws.

Technical accessories:



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Back plates
in galvanized steel
for TAIS junction boxes

For boxes with dimensions	For boxes with code	Palazzoli code	Pack Q.ty
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 hole metric	Palazzoli code	Pack Q.ty
21		M25	M25	538421	1
29		M32	M32	538429	1
36		M40	M40	538436	1

Characteristics: they allow to couple sockets with Pg or Metric entry and viceversa.



Mounting plates
in thermosetting (GRP) for
composition of socket boards

Dimensions (mm)	N. installable socket	Installable device module	Palazzoli code	Pack Q.ty
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.



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



ALUPRES series

Interlocked sockets with high resistance

Aluminium
heavy duty

INTERLOCKED
SOCKETS



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

THE ADVANTAGES



ALUPRES products in aluminium alloy are passivized with fluoro-zirconium and powder painting surface treatment to improve the characteristics of resistance to impacts (30J) and chemical agents.

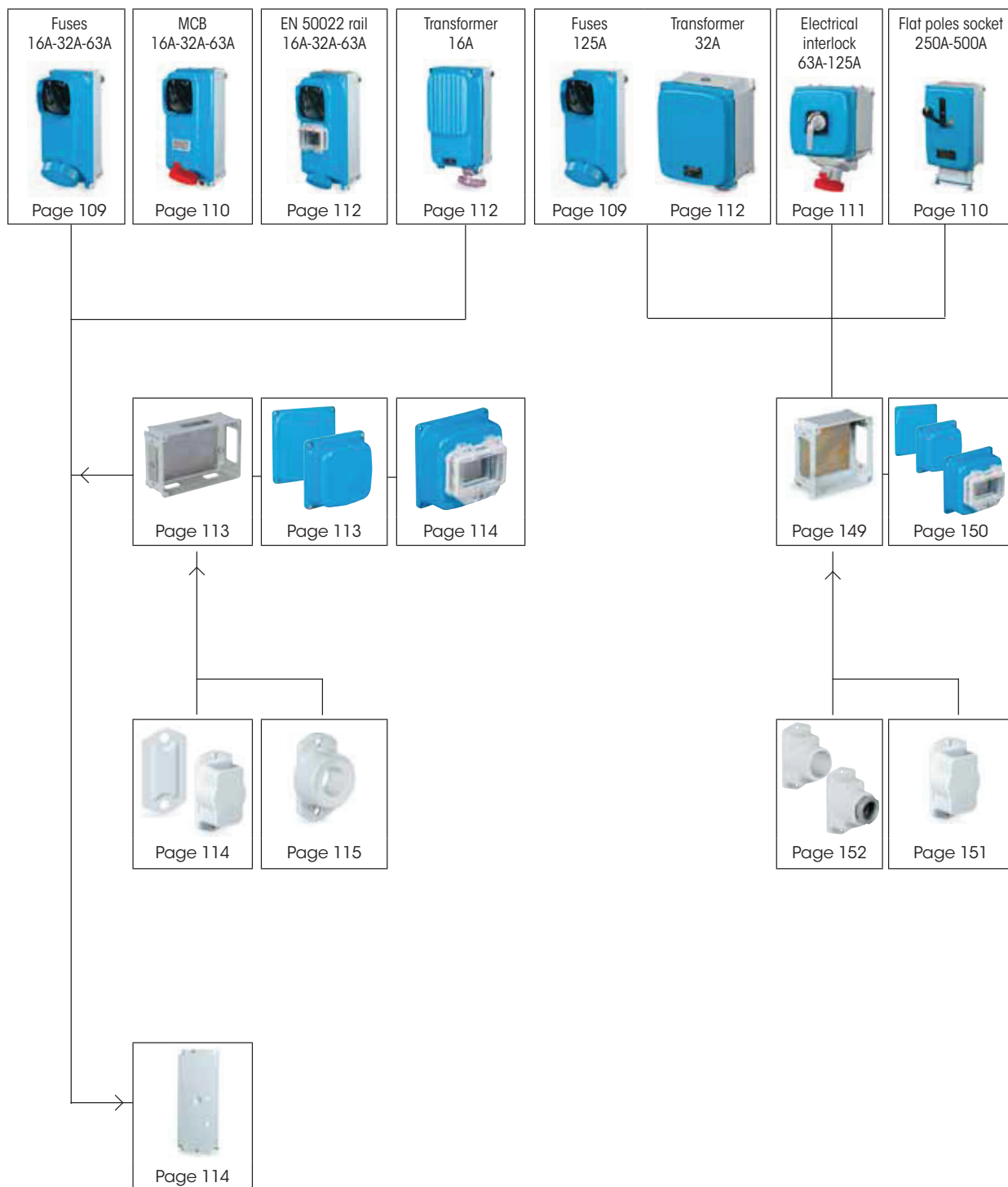


The ALUPRES "heart" is an isolator switch with the AC3-AC23A category at rated current that allows a safe operation even with highly inductive loads.

The fuse-holder base in ceramic and the interlock system in steel, which are tightly fixed on the bottom of the socket, are the best materials for the maximum safety.



The operation is padlockable in positions 0 and 1 to avoid that non-authorized personnel can activate or deactivate.

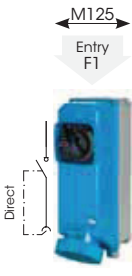
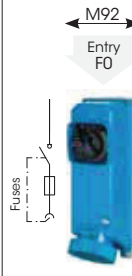
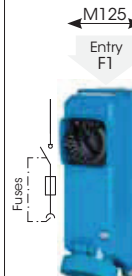


Easy Composer software allows for an easy combining of customized units.
It is available on www.palazzoli.com or directly from the QR Code.

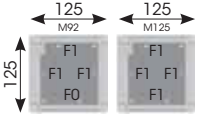
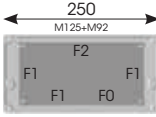
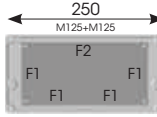




		
Current (A)	Fuse type	
16	E16 (NDz)	348117
32	E33 (DIII)	348326
63		348333

MOST USED INTERLOCKED SOCKETS				
				

16A	230V	2P+≡		466126		472333	
	400V	3P+≡		466136		472443	
	400V	3P+N+≡		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  Blind cover 515214  Transparent window 518204  Mounting plate 532876	 Box 511227  Blind cover 515224  Transparent window 518206  Mounting plate 532826	 Box 511236  Blind cover 515234  Transparent window 518209  Mounting plate 532836	 Box 511237  Blind cover 515234  Transparent window 518209  Mounting plate 532856
			
Window		Projection	
F1		5	540091
F2		5,5	540032



ALUPRES series low voltage switched sockets with mechanical or electrical interlock are a range of products in aluminium alloy for heavy duty uses, in compliance with the IEC/EN 60309-1, IEC/EN 60309-2 and IEC/EN 60309-4 standards.

The system contains versions from 16A up to 250A, with or without fuses, with MCB integrated or with an EN 50022 rail that can be fitted with modular devices. All the sockets have an IP67 protection rating and can be combined in compositions thanks to the dedicated boxes with blind cover or transparent window.

The versions above 32A are equipped with the Easy Contact receptacles to allow the best performance in time for the electric contact and to facilitate connection and disconnection operations.

The circuit protection, such as the fuses located in ceramic holder base and the MCBs fixed on EN 50022 rail are tightly fixed on the bottom of the socket and accessible by opening the frontal lid.

The casing is treated with ecological anticorrosion passivation with fluoro-zirconium and finished with hot polymerized scratch-resistant non-toxic polyester painting.

The interlock system is made of steel and the isolator switch is certified with the AC3-AC23A category at rated current.

Rated operating current - isolator switch:			16A	32A	63A	125A	250A
Thermal current Ith		A	16	32	63	125	250
AC21A	415V	A	16	32	63	125	200
	500V						
AC22A	415V	A	16	32	63	125	200
	500V						
AC23A	230V	A	16	32	63	125	200
	400V						
	500V						
AC23A	230V	kW	4,5	8,5	20	30	30
	400V		7,5	15	34	52	52
	500V		8,5	17	44	64	64
AC3	230V	kW	4,5	8,5	18	30	30
	400V		7,5	15	31	52	52
	500V		8,5	17	40	64	64

Terminal specifications:		16A	32A	63A	125A	250A
Entry diameters	mm ²	1 - 10		6 - 16		16 - 70
Entry sections	Nm	2			3	

Conformity to standards	IEC/EN 60309-1 IEC/EN 60309-2 IEC/EN 60309-4 IEC/EN 60947-3
Body material	Aluminium alloy
Surface treatment	Passivation with fluoro-zirconium
Painting	Hot polymerized non-toxic polyester
Protection rating (IP as per IEC/EN 60529)	IP67 (version 16A/32A) IP55 (version 63A÷500A)
Colour	RAL5012 (cover) RAL7035 (base)
Resistance to impacts (IK rating as per IEC/EN 62262)	IK10
Rated current	16A - 32A - 63A 125A - 250A - 500A
Rated voltage	24V - 690V
Rated frequency	50-60Hz
Rated insulation voltage	690V
Insulation class	I
Storage temperature	-30°C - +70°C
Operating temperature	-25°C - +50°C



Resistance to chemical agents

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

Legend: ↑ high resistance → partial resistance ↓ low resistance



MODULE 92



Switched sockets
in aluminium alloy with
mechanical **interlock** and
fuse-holder, for wall mounting
IP67

Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
16 entry FO fuses E16 NDZ	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
	>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 insulation transformer

Characteristics: handle predisposed to be padlocked. Fuses not included. 16A sockets 92mm wide; 32A sockets 125mm wide.

Notes: special configurations upon request.

MODULE 125



Switched sockets
in aluminium alloy with
mechanical **interlock** and
fuse-holder, wall mounted
IP67



Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
32 entry F1 fuses DIII E33	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
	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
	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 insulation transformer

Characteristics: handle predisposed to be padlocked. Fuses not included. 63A sockets - 125mm wide; 125A sockets - 185mm wide.

Notes: special configurations upon request.

Technical accessories:



MODULE 185



Switched sockets
in aluminium alloy with
mechanical **interlock** and
fuse-holder, wall mounted
IP67



Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
125 entry F3 fuses ACR GR 00	50-60Hz	110V	Yellow	3P+ $\overline{\text{N}}$	4	472248	1
	50-60Hz	110V	Yellow	3P+N+ $\overline{\text{N}}$	4	472258	1
	50-60Hz	230V	Blue	3P+ $\overline{\text{N}}$	9	472348	1
	50-60Hz	230V	Blue	3P+N+ $\overline{\text{N}}$	9	472358	1
	50-60Hz	400V	Red	3P+ $\overline{\text{N}}$	6	472418	1
	50-60Hz	400V	Red	3P+N+ $\overline{\text{N}}$	6	472428	1
	50-60Hz	500V	Black	3P+ $\overline{\text{N}}$	7	472518	1
	50-60Hz	500V	Black	3P+N+ $\overline{\text{N}}$	7	472528	1
	50-60Hz	690V	Black	3P+ $\overline{\text{N}}$	5	472529	1
	50-60Hz	690V	Black	3P+N+ $\overline{\text{N}}$	5	472530	1
	60Hz	440÷460V	Red	3P+ $\overline{\text{N}}$	11	472388	1
	60Hz	440-460V	Red	3P+N+ $\overline{\text{N}}$	11	472398	1

* For insulation transformer

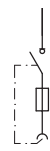
Characteristics: handle predisposed to be padlocked. Fuses not included. 63A sockets - 125mm wide; 125A sockets - 185mm wide.

Notes: special configurations upon request.

Technical accessories:



MODULE 315-630



Switched sockets
in aluminium alloy, with flat
poles, **mechanical interlock**
fuse-holder, for wall mounting
50-60Hz **IP55**

Rated current (A)	Rated voltage	Poles	Box dimensions (mm)	Palazzoli code	Pack Q.ty
250 entry F5 fuses ACR GR1	500V~ max	3P+ $\overline{\text{N}}$	315x507	422039	1
500 entry F6 fuses ACR GR3			630x630	422079	1

Equipment included: equipped with gaskets and screws for fastening accessories. Earth screws inside and outside the box.

Characteristics: Fuses not supplied. The 500A socket-outlet is composed of two 250A sockets in parallel. Upper passage F5 window for 250A sockets and F6 window for 500A sockets. 250A sockets 315mm wide. 500A sockets 630mm wide.

Notes: special configurations upon request.

Technical accessories:



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

Rated current (A)	Rated voltage	Poles	Palazzoli code	Pack Q.ty
250	500V	3P+ $\overline{\text{N}}$	427019	1

Technical accessories:



EASY CONTACT



The **multi-lamellar crown** in silver plated copper guarantees:

- wider pin-plug contact surface;
- easy removal of the plugs from the sockets;
- perfect cleaning of the pin;
- hard-wearing, long-lasting electrical contact



MODULE 125



Switched sockets
in aluminium alloy with
mechanical **interlock** and
MCB, for wall mounting
IP67



Rated current (A)	Frequency	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
16 entry F1	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
32 entry F1	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
	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
63 entry F1	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
MCB 4,5kA curve C	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
MCB 6kA curve C	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
MCB 10kA curve C	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
MCB 16kA curve C	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

Characteristics: handle predisposed to be padlocked.

16A, 32A and 63A sockets 125mm wide. Lamp indicating presence of voltage.

Notes: special configurations upon request.

Technical accessories:



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MODULE 250



Switched sockets
in aluminium alloy with
electrical interlock and
MCB, for wall mounting
50-60Hz **IP55**



Rated current (A)	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
63 entry F5	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 entry F5	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

Characteristics: handle predisposed to be padlocked.

63A and 125A sockets 252mm wide. Lamp indicating presence of voltage.

Notes: special configurations upon request.

MODULE 250



Switched sockets
in aluminium alloy with
electrical interlock, **MCB**
and **RCD**, for wall mounting
50-60Hz **IP55**



Rated current (A)	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
63 entry F5	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 entry F5	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

Characteristics: complete with pilot contact for electrical interlock.

63A and 125A sockets 252mm wide.

Notes: special configurations upon request.

Technical accessories:



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ELECTRICALLY INTERLOCKED SOCKET PROTECTION CHARACTERISTICS

MCB

Rated impulse seal voltage Ui	500V
Rated impulse-withstand voltage Uimp	800V
Breaking capacity Icu (400V)	18kA
Breaking capacity Icu (500V)	8kA
Mechanical duration	25000 operations
Electrical duration	8000 operations
Overload protection regulation	0,7-1 x In
Short circuit protection	10 x In
Neutral protection	100%

RCD

Protection type	A - AC
Operating voltage	85-500V
Operating frequency	45-66Hz
Failure frequency	50-60Hz
Intervention threshold regulation	0,03A - 0,1A - 0,3A - 0,5A - 1A - 3A
Intervention time	instantaneous



MODULE 125-185



Switched sockets
in aluminium alloy with
mechanical **interlock**,
for wall mounting
50-60Hz **IP67**



Rated current (A)	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
16 entry F1	230V	Blue	2P+⏏	6	466126	1
	400V	Red	3P+⏏	6	466136	1
	400V	Red	3P+N+⏏	6	466146	1
32 entry F1	230V	Blue	2P+⏏	6	460226	1
	400V	Red	3P+⏏	6	460236	1
	400V	Red	3P+N+⏏	6	460246	1
63 entry F1	400V	Red	3P+⏏	6	460336	1
	400V	Red	3P+N+⏏	6	460346	1
	400V	Red	3P+⏏	6	460436	1
125 entry F5	400V	Red	3P+⏏	6	460436	1
	400V	Red	3P+N+⏏	6	460446	1

Characteristics: handle predisposed to be padlocked. 16A, 32A and 63A sockets 125mm wide. 125A sockets 185 mm wide.

Notes: special configurations upon request

MODULE 125-185



Switched sockets
in aluminium alloy with
mechanical **interlock** and
EN 50022 rail, for wall mounting
50-60Hz **IP67**



Rated current (A)	Rated voltage	Voltage colour	Poles	h. ref.	Palazzoli code	Pack Q.ty
16 entry F1	230V	Blue	2P+⏏	6	472623	1
	400V	Red	3P+⏏	6	472733	1
	400V	Red	3P+N+⏏	6	472843	1
32 entry F1	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 entry F1	230V	Blue	2P+⏏	6	472027	1
	400V	Red	3P+⏏	6	472137	1
	400V	Red	3P+N+⏏	6	472647	1
125 entry F5	400V	Red	3P+⏏	6	472648	1
	400V	Red	3P+N+⏏	6	472649	1

Equipment included: all the sockets are pre-wired up to the EN 50022 rail.

Characteristics: handle predisposed to be padlocked.

16A, 32A and 63A sockets 125mm wide. 125A sockets 185 mm wide.

63A sockets with IP55 protection rating.

Notes: special configurations upon request

Technical accessories:



MODULE 125



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 Q.ty
16 entry F1	230/24V	2P	144	471812	1
	400/24V	2P	144	471832	1

Characteristics: continuous duty, class II safety transformer enabled by the plug-activated microswitch.

MODULE 250



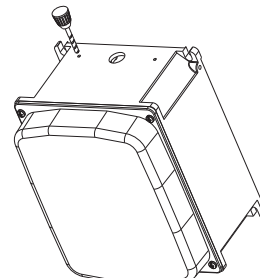
Sockets
in aluminium alloy
with safety **transformer** (SELV),
for wall mounting
50-60Hz **IP67**



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

Equipment included: cable glands and screwcaps M2.

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



Technical accessories:





Boxes
in aluminium alloy for
composition of socket boards
IP67

External dimensions (mm)	Window type	Installable socket module	Palazzoli code	Pack Q.ty
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 mounting plates.

Note: the boxes indicated are only those that can be used in compositions of socket boards. The complete list is at page 149.

Technical accessories:

page 115	page 155	page 114	page 149



Blind covers
low, for ALUPRES boxes
IP67

For boxes with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Q.ty
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 boxes with dimensions (mm)	Cover height (mm)	Palazzoli code	Pack Q.ty
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 for boxes in aluminium alloy
IP67

For boxes with dimensions (mm)	N. EN 50022 modules	Cover height (mm)	Lid height (mm)	Palazzoli code	Pack Q.ty
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, captive stainless steel fixing screws and EN 50022 rail.

Characteristics: when fitted on the box they allow for the installation of modular devices. Padlockable window and with tamper-proof screw.



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

Dimensions (mm)	N. installable devices	Installable device module	Palazzoli code	Pack Q.ty
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 **junction plates**
with screws
for coupling plates

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

Table for selecting the boxes to install on the mounting plates

Mounting 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



Control units
in aluminium alloy
for wall mounting
IP67

Dimensions (mm)	N. EN 50022 modules	Power dissipation (W)	Palazzoli code	Pack Q.ty
125x125	4	13	512204	1
185x125	6,5	15	512206	1
250x125	11	20	512211	1

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

Characteristics: padlockable window and with tamper-proof screw.



Blind flanges
flat, in steel
for windowed walls
IP67

For windows	Projection (mm)	Palazzoli code	Pack Q.ty
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.



Blind flanges
raised, in aluminium alloy
for windowed walls
IP67

For windows	Projection (mm)	Palazzoli code	Pack Q.ty
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 make wiring easier as they increase box internal volume.



Flanges
in aluminium alloy
with **metric threading**,
for windowed walls
IP67

For windows	Threading type	Palazzoli code	Pack Q.ty
F0	M25	541050	1
F1	M25	541055	1

Technical accessories:



page 157



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

For windows	Threading type	Entry cable diameter (mm)	Projection (mm)	Palazzoli code	Pack Q.ty
F0 (insulating material)	1/2"	9÷12	23	541010	1
F0 (insulating material)	3/4"	14÷16	29	541020	1
F0	1/2"	9÷12	31	541080	1
F0	3/4"	14÷16	33	541090	1
F0	1"	17÷20	34	541030	1
F1	1/2"	9÷12	29	541011	1
F1	3/4"	14÷16	33	541021	1
F1	1"	16÷22	63	540151	1
F1	1" 1/4	25÷26	63	540141	1
F2	1"	16÷22	63	540152	1
F2	1" 1/4	25÷26	64	540142	1
F3	1" 1/2	34÷35	82	540153	1
F4	1" 1/2	25÷35	88	540154	1
F5	2"	33÷44	124	540145	1
F6	2" 3/4	63÷64	154	540156	1

Uses: suitable for threaded tubes. They make wiring easier as they increase box internal volume.



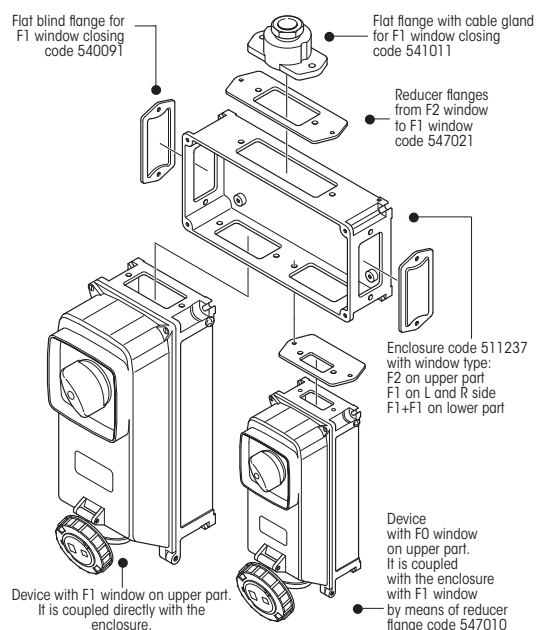
Reducers in steel
for windows
IP67

Shape	From window	To window	Thickness (mm)	Palazzoli code	Pack Q.ty
	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
	F5	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: boxes and socket-outlets can be interfaced with different windows.

Characteristics: codes 547151, 547152, 547161, 547162 are used to couple the boxes with the flanges with cable gland.

Applicative example of steel reducers for windows





ALUMAX series low voltage switched sockets with electrical interlock are a range of products in 15/10 steel sheet, finished with hot polymerized scratch-resistant non-toxic polyester painting, equipped with an aluminium alloy socket for heavy duty uses, from 250A up to 400A, with IP65 protection rating.

The coupling system of plug and receptacle is equipped with the technology of Easy Contact to allow the best performance in time for the electric contact and to facilitate connection and disconnection operations.

Each connection is equipped with a double pilot contact.

The sockets are equipped with MCCB with 36 kA breaking capacity.

The operation can be padlocked both at 0 and 1 position.

Conformity to standards	IEC/EN 60309-1 IEC/EN 60947-3
Material	Aluminium alloy (connections) Steel (boxes)
Surface treatment	Passivation with fluoro-zirconium
Painting	Hot polymerized non-toxic polyester
Protection rating (IP as per IEC/EN 60529)	IP67 (connections) IP65 (wall mounted sockets)
Colour	RAL5015 (cover) RAL7035 (box)
Resistance to impacts (IK rating as per IEC/EN 62262)	IK10
Rated current	250A - 400A
Rated voltage	Fino a 1000V
Rated frequency	50-60Hz
Rated insulation voltage	690V
Insulation class	I
Mobile connection cable entry diameter	42mm ÷ 62mm
Contacts clamping range	50mm² ÷ 70mm²
Pilot contacts	2
Pilot contact sections	10mm² (3P+÷) 6mm² (3P+N+÷)
Wall mounted socket switch	250A 400V 50-60Hz 36kA
Operating temperature	-30°C - +60°C



Resistance to chemical agents

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

Legend: ↑ high resistance → partial resistance ↓ low resistance



new



Switched sockets
in steel for 250A
with electrical interlock
and MCB, for wall mounting
50-60Hz IP65

Rated current (A)	Rated voltage (V)	Poles	N. pilot contacts (mm ²)	Palazzoli code	Pack Q.ty
250	400	3P+ $\frac{\text{N}}{\text{PE}}$	2x10	480530	1
		3P+N+ $\frac{\text{PE}}$	2x6	480550	1
	500	3P+ $\frac{\text{N}}{\text{PE}}$	2x10	480531	1
		3P+N+ $\frac{\text{PE}}$	2x6	480551	1

Characteristics: padlockable handle.

new



Switched sockets
in steel for 320A – 400A
with electrical interlock
and MCB, for wall mounting
50-60Hz IP65

Rated current (A)	Rated voltage (V)	Poles	N. pilot contacts (mm ²)	Palazzoli code	Pack Q.ty
320	400	3P+N+ $\frac{\text{PE}}$	2x6	480650	1
	500	3P+N+ $\frac{\text{PE}}$	2x6	480651	1
400	400	3P+N+ $\frac{\text{PE}}$	2x6	480750	1
	500	3P+N+ $\frac{\text{PE}}$	2x6	480751	1

Characteristics: padlockable handle.

new



Plugs
in aluminium alloy
with cable clamps,
for high amperages
50-60Hz IP67

Rated current (A)	Poles	N. pilot contacts (mm ²)	Palazzoli code	Pack Q.ty
250	3P+ $\frac{\text{N}}{\text{PE}}$	2x10	750530	1
	3P+N+ $\frac{\text{PE}}$	2x6	750550	1
320	3P+N+ $\frac{\text{PE}}$	2x6	750650	1
400	3P+N+ $\frac{\text{PE}}$	2x6	750750	1



The Alumas brochure can be seen or downloaded from the website www.palazzoli.com or directly from the QRCode

