

Palazzoli

General Catalogue



2019/2020

Palazzoli



CHIAREZZA DELLA FUNZIONE
SEMPlicità DI PROGETTO
QUALITÀ DELLA MANIFATTURA

CLARITY OF FUNCTION
PROJECT SIMPLICITY
QUALITY OF MANUFACTURE



topTER





topTER

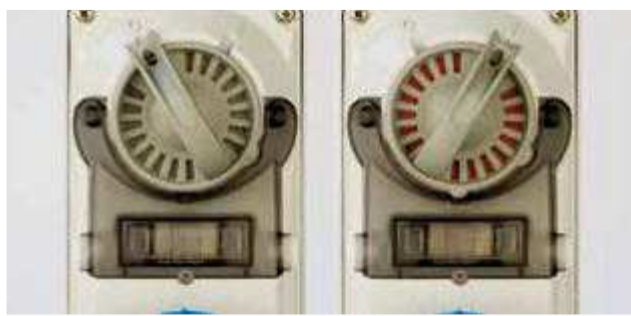
It is equipped with an IP66/IP67 protection system that protects it from water, dust and wear



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



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

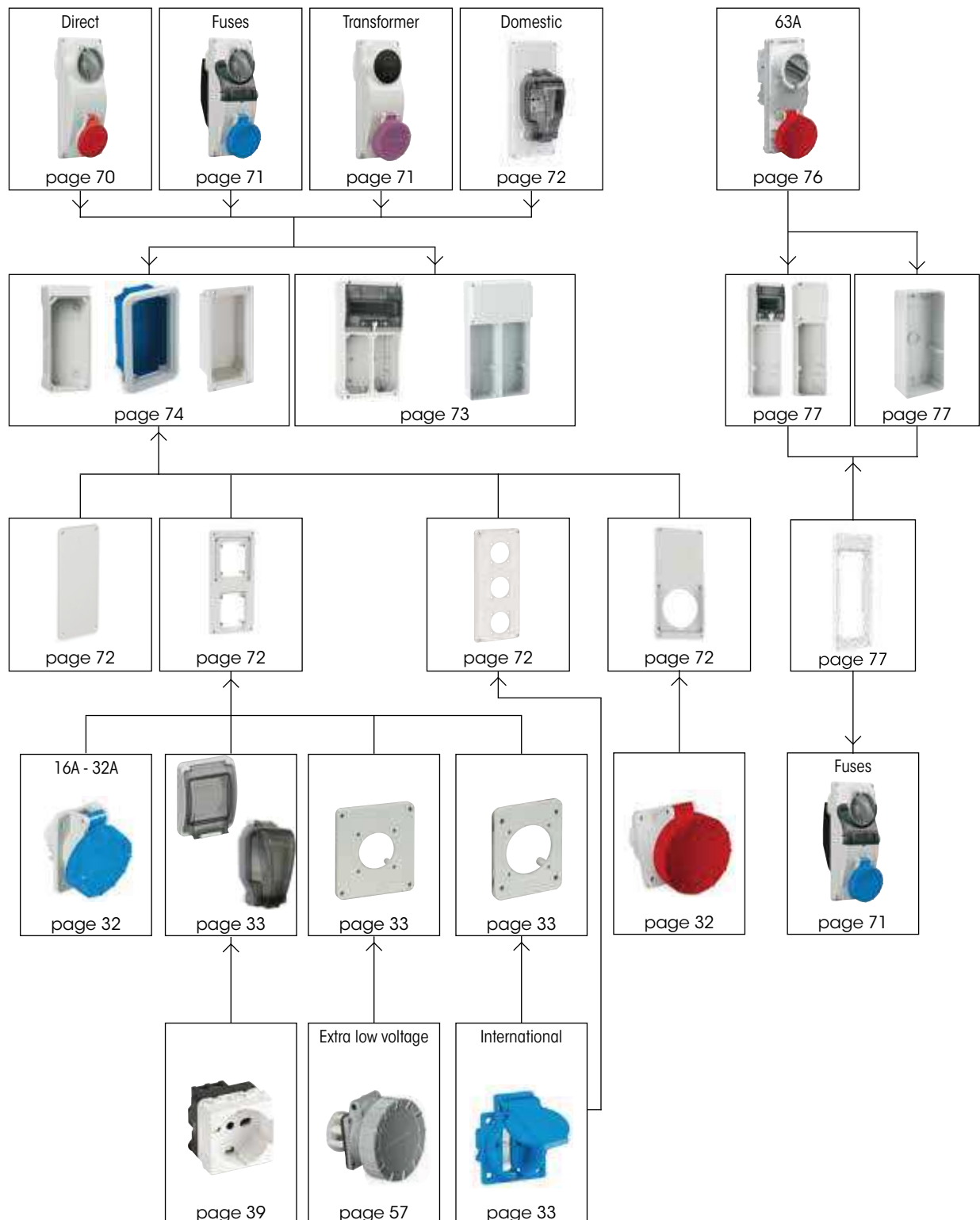


The patented high visibility handle allows even the most inexperienced user to understand the status of the switch at a glance.



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

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



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



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

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

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

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

Rated operating current:

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

Wiring data:

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

Compliance with standards

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

Material **Thermoplastic**

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

Colour **RAL7035**

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

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

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

Rated current **16A - 32A**

Operating voltage **24V - 440V**

Operating frequency **50-60Hz**

Insulation voltage **690V**

Insulation class **II □**

Storage temperature **-30°C - +70°C**

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

**Resistance to chemical agents**

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

Legend: ↑ high resistance → partial resistance ↓ low resistance



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

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

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

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

Technical accessories:



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

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

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

Features: padlockable handle in open or closed position, with max 3 mm Ø padlock. Ready for 2 auxiliary contacts for plug inserted signalling. Fuses not included.

Technical accessories:



EASY COMPOSER

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



1. Select the socket type



2. Compose the distribution board



3. Calculate the cost and download the certificates



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

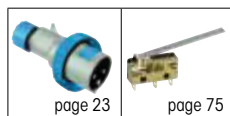
**Interlocked socket-outlets
for distribution boards
50-60Hz IP66/IP67**

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

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

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

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

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

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

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

Features: padlockable handle in open or closed position, with max 3 mm Ø padlock.
Ready for 2 auxiliary contacts for plug inserted signalling. Fuses not included.

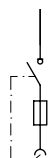
Technical accessories:**Socket with safety
transformer (SELV)
for distribution boards
50-60Hz IP66/IP67**

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

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

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

Technical accessories:



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



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

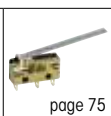
Equipment included: 4 stainless steel screws for fastening the item to the distribution board or box.

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

Technical accessories:



page 23



page 75



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

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

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



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

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

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



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

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

Equipment included: 1 finishing frame for compact sockets,

1 blind flange 65 x 83 mm.

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

Technical accessories:



page 32



page 33



page 33



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

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

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

Technical accessories:



page 32



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

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

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

Technical accessories:



page 33



Distribution boards with transparent window
for the installation of topTER sockets with switch
IP66

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

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

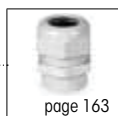


Distribution boards with transparent window
for the installation of 1 topTER socket-outlet with switch
IP66

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

Features: padlockable modular door.

Technical accessories:



page 163



Distribution boards with blind cover
for the installation of topTER sockets with switch
IP66

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



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

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

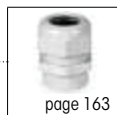
Features: padlockable modular door.



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

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

Technical accessories:



page 163



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

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

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

Equipment included: screw cover caps for double insulation.

Technical accessories:



page 163



Bottom box
for **flush-mounting**
IP55

Dimensions (mm)	For sockets type	Palazzoli code	Pack Qty
131 x 258	topTER sockets with switch	579712	1

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



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

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

Equipment included: screw cover caps for double insulation.

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



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

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



Control unit
for **panel-mounting**
IP56

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

Equipment included: 2 modular covers, code 579904.

Features: padlockable modular door.



Auxiliary contact NO+NC
for plug inserted signal

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

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



Equipotential bars
for earth connection

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

Equipment included: connection screws and fixing supports.

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



Module covers

No. of DIN modules	For distribution boards	Palazzoli code	Pack Qty
2	all topTER, PRIMA and ULYSSE distribution boards TAIS and TAIS CUBE	579904	20

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



Coupling fitting with Pg
threading for topTER
distribution boards
IP66

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



Transportation handles

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



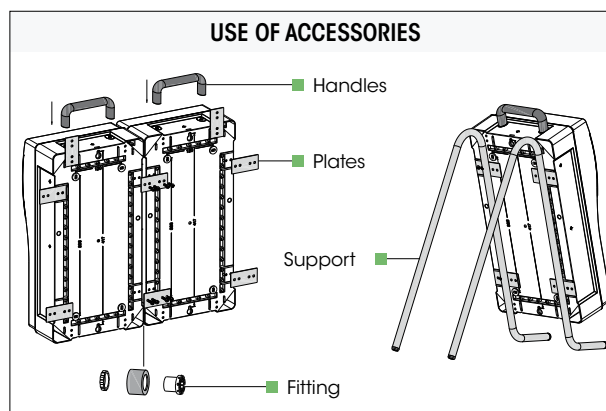
Pair of stainless steel plates
for wall-mounting of topTER
and PRIMA distribution boards

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



Universal support
for topTER, PRIMA
and Energy Go
distribution boards

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





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




Rated operating current:


			63A
Thermal current I _{th}		A	63
AC21A	415V	A	63
	500V		
AC22A	415V	A	63
	500V		
AC23A	230V	A	50
	400V		
	500V		
AC23A	230V	kW	12
	400V		21
	500V		28
AC3	230V	kW	10
	400V		17
	500V		22

Wiring data:

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




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




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

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

Features: padlockable handle.



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



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

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

Features: padlockable handle. Fuses not included.

Technical accessories:



page 23

EASY CONTACT



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

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



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

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

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

Technical accessories:



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

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

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

Technical accessories:



**Adapter flange
for topTER interlocked
socket-outlets
IP65**

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

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



**Closing flange
IP55**

Dimensions (mm)	For sockets type	Palazzoli code	Pack Qty
115x290	interlocked with fuse holder base	579902	1

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



**Distribution boards
with blind cover
for the installation
of switched sockets
IP55**

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

Equipment included: screw cover caps for double insulation.

Features: * IP65 protection rating.



**Distribution boards
with transparent window
for mounting switched sockets
IP55**

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

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

Features: padlockable modular door.*IP65 protection rating.



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

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

Equipment included: screw cover caps for double insulation.



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

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

Equipment included: screw cover caps for double insulation.

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

The background of the entire page is a deep blue space scene. At the top, the Palazzoli logo is displayed in white. Below it, the words 'excellence' and 'FROM ITALY' are written in white, with a green and red horizontal bar above 'excellence'. The central part of the image shows the Earth from space, with the sun rising over the horizon, creating a bright blue and white glow. The Italian peninsula is clearly visible on the Earth's surface, illuminated by city lights. A network of blue lines and dots, resembling a constellation or a digital network, is overlaid on the entire scene.

Palazzoli

— excellence —
FROM ITALY

Palazzoli S.p.A
25128 Brescia - Italy - Via F. Palazzoli, 31
Tel +39 030 2015.1
Fax +39 030 2015.258
www.palazzoli.com
export@palazzoli.com
