

# PROTECTA Series

## CONTROL DEVICE



## REFERENCE STANDARDS

**EN 60669-1**  
Switches for household and similar fixed-electrical installation.  
*Part 1: general requirements.*

## VERSIONS

	One way switch single pole - flush mounting - surface mounting
	Two way switch single pole - flush mounting - surface mounting
	Intermediate switch - flush mounting - surface mounting
	Bell push switch single pole - flush mounting - surface mounting
	Double pole switch - flush mounting - surface mounting

## TECHNICAL CHARACTERISTICS

Rated current:	<b>10A-10AX-20A-20AX</b>
Rated voltage:	<b>250V~</b>
Frequency:	<b>50Hz</b>
Insulating voltage:	<b>250V~</b>
Protection degree:	<b>IP66</b>
Operating ambient temperature:	<b>-20°C +60°C</b>
Cabling capacity of the terminal:	<b>3x2,5mm<sup>2</sup> 2x4mm<sup>2</sup> 1x6mm<sup>2</sup></b>
Glow Wire test:	<b>650°C/850°C</b>
Halogen free:	<b>Yes</b>
Material:	<b>Engineering plastic</b>
Cable inlet:	<b>M20</b>
Colour:	<b>Grey RAL 7035</b>
LED colour:	<b>Orange</b>

## BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited Resistance	Resistant	Limited Resistance	Resistant	Resistant	Not Resistant	Not Resistant	Resistant	Limited Resistance	Resistant

## UNSWITCH SOCKET OUTLETS



## REFERENCE STANDARDS

**CEI 23-50**  
Plugs and sockets for domestic and similar applications.  
*Part 1: general requirements.*

**IEC 60884-1**  
Plugs and socket-outlets for household and similar purposes.  
*Part 1: general requirements.*

## TECHNICAL CHARACTERISTICS

Rated current:	<b>10A-13A-15A-16A</b>
Rated voltage:	<b>250V~</b>
Frequency:	<b>50Hz</b>
Insulating voltage:	<b>250V~</b>
Protection degree:	<b>IP66</b>
Operating ambient temperature:	<b>-5°C +60°C</b>
Installation ambient temperature:	<b>-20°C +60°C</b>
Cabling capacity of the terminal:	<b>10A: 0,75 mmq - 2,5 mmq 13A: 2,5 mmq - 6 mmq 15A: 2,5 mmq - 6 mmq 16A: 1 mmq - 2,5 mmq (according to ref. standard)</b>
Glow Wire test:	<b>650°C / 850°C</b>
Halogen Free:	<b>Yes</b>
Material:	<b>Engineering plastic</b>
Cable inlets:	<b>M20</b>
Colour:	<b>Base: Grey RAL 7035 Cover: tinted transparent</b>

The IP66 degree of protection with the plug inserted is guaranteed mainly with angled plugs which can be coupled with the respective Standard sockets. This is the breakdown for the main Italian and European standards (Europe mainland):	Italian bivalent standard 16A P17/P11	Italian standard – 16A P30	German standard 16A	French standard – 16A P31
	Plug 10A 2P+E extra flat SPA11	Wireable (body length up to 50 mm)	•	
Permanent (body length up to 50 mm)		•		
Plug 16A 2P+E extra flat SPA17	Wireable (body length up to 50 mm)	•		
	Permanent (body length up to 50 mm)	•		
Plug 10A 2P straight S10 "Europlug"	Wireable (body length up to 41 mm)		•	•
	Permanent (body length up to 50 mm)		•	•
Plug 10A 2P+E straight S11	Wireable (body length up to 41 mm)		•	
	Permanent (body length up to 50 mm)		•	
Plug 16A 2P+E straight S30	Wireable (body length up to 41 mm)		•	
	Permanent (body length up to 45 mm)		•	
Plug 16A angled S30	Wireable (body length up to 60 mm)		•	
	Permanent (body length up to 65 mm)		•	
Plug 16A angled S31	Wireable (body length up to 60 mm)		•	•
	Permanent (body length up to 65 mm)		•	•

## ENCLOSURES



## VERSIONS

	Empty 1-module enclosure - flush mounting - surface mounting
	Empty 2-module enclosure - flush mounting - surface mounting
	Pole side by side enclosure
	Pole-top enclosure
	3-module flush-mounting box adapter IP55

## REFERENCE STANDARDS

**EN 60670-1 (2005-10)**  
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations.  
*Part 1: general requirements.*

## TECHNICAL CHARACTERISTICS

Protection degree:	<b>IP66 (*)</b>
Operating ambient temperature:	<b>-5°C +60°C</b>
Installation ambient temperature:	<b>-20°C +60°C</b>
Glow Wire test:	<b>650°C</b>
Halogen free:	<b>Si</b>
Material:	<b>Engineering plastic</b>
IK degree at 20°C:	<b>IK07</b>
Cable inlets:	<b>M20</b>
Colour:	<b>Base: grey RAL 7035 Cover: tinted transparent</b>

(\*) IP55 for 3-module flush-mounting box adapter flange.



## AVAILABLE STANDARDS

	<b>ITALIAN STANDARD</b> P17/11 - 16A Shuttered socket CEI 23-50		<b>ITALIAN STANDARD</b> P30 - 16A Shuttered socket CEI 23-50		<b>GERMAN STANDARD - 16A</b> Shuttered socket DIN VDE 0620		<b>FRENCH STANDARD - 16A</b> Shuttered socket NFC 61-314		<b>BRITISH STANDARD - 13A</b> Shuttered socket BS 1363-2 BS 7288:1990
	<b>BRITISH STANDARD - 15A</b> Shuttered socket BS 546		<b>ARGENTINIAN STANDARD - 10A</b> Unshuttered socket IRAM 2071		<b>NEOZELANDER STANDARD - 10A</b> Unshuttered socket AS/NZS 3112		<b>SWISS STANDARD - 10A</b> Unshuttered socket SEV 1011:1996		<b>BRAZILIAN STANDARD - 10A</b> Unshuttered socket ABNT NBR 14136:2002