

■ INDUSTRIAL PLUGS AND SOCKETS

■ REFERENCE STANDARDS

IEC EN 60309-1

IEC EN 60309-2

■ MARKINGS AND DIRECTIVES



■ QUALITY MARKS



■ TECHNICAL CHARACTERISTICS

Rated current:	Mobile and flush mounting 16A-32A-63A-125A Surface mounting 16A-32A
Rated voltage:	Mobile and flush mounting >50÷690V Surface mounting 100÷415V
Frequency:	Mobile and flush mounting 50÷500Hz, DC Surface mounting 50 /60Hz
Insulating voltage:	2P+E 500V 3P+E / 3P+N+E 690V
Protection degree:	IP44/IP54, IP66/IP67/IP69
Installation temperature:	-25°C +60°C
Enclosure material:	Thermoplastic (Halogen Free)
Colour:	16A-32A Grey RAL7004 (plugs and connectors - flush mounting appliance inlets and flush mounting sockets straight outlet) Grey RAL7035 (flush and surface socket outlets) 63A-125A Grey RAL7004 (plugs and connectors - flush mounting appliance inlets and flush mounting sockets straight outlet) Grey RAL7035 (flush mounting sockets angled outlets)
Impact resistance (IK degree):	IK08
Construction characteristics/ type of closure (mobile versions):	16A-32A Separate body and handle / Snap-on (without screws) 63A-125A Separate body and handle / Screws with threaded inserts (4)
Terminals:	- Screw 16A-32A (all versions) - Perforating 16A (plugs and connectors) - Spring 16A (Flush mounting socket outlets), 32A (plugs, connectors and flush mounting socket outlets) - Mantle 63A-125A (all versions)
Nickel-plated pins:	16A-32A-63A-125A
Self extinguishing degree (GWT):	650°C (body) 850°C (socket contact carrier)
Mobile versions cable entry device:	IP44 cable gland / external cable clamp IP66/IP67 cable gland / external cable clamp
Insulation class (surface mounting versions):	Class II (double insulation) □



■ VERSIONS

	Plugs
	Flush mounting appliance inlets
	Surface mounting appliance inlets
	Connectors
	Flush mounting socket outlets
	Surface mounting socket outlets



■ 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	Limited resistance	Not resistant	Not resistant	Limited resistance	Limited resistance	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.

■ WIRING CAPACITY OF THE TERMINALS

Rated current			16A	32A	63A	125A
Cross-section of the connectable conductors	mm ²	Min	1	2.5	6	16
		Max	4	10	25	70
Tightening torque	Nm		0.8	0.8	2	10

■ CABLE SIZE ACCEPTED BY CABLE GLAND OF MOBILE PLUGS AND CONNECTORS

Rated current			16A	32A	63A	125A
Outside Ø mm	mm	Min	8	11.5	16	24
		Max	15	21	31	48

■ CABLE ENTRIES SURFACE MOUNTING SOCKET OUTLETS AND APPLIANCE INLETS

16A				32A	
2P+E		3P+E/3P+N+E		Top	Rear
Top	Rear	Top	Rear		
Threaded open entry 1x M20	Blank side	Threaded open entry 1x M25	Blank side	Threaded open entry 1xM32	Blank side

Threaded rubber cable sleeve supplied with IP44/54 versions.
Blank sides with drilling point marks.

