IEC Appliance Inlet C14 with Fuseholder 2-pole, Line Switch 2-pole and Voltage Selector

V-Lock

C14

70° C

RoHS COMPLIANT

Description
- Panel Mount:
  Snap-in version from rear-side
- 4 Functions:
  Appliance Inlet Protection class I, Line Switch 2-pole, Fuseholder for fuse-links 5 x 20 mm on the rear-side, Voltage Selectors (Jumper)

Approvals
- VDE Certificate Number: 40024784
- UL File Number: E93617

Characteristics
- Short Mounting Depth
  Time saving "Lock and Shield" snap-in design for rear-panel mounting
- All single elements are already wired except voltage selector
- Fuseholder on the inside of the equipment prevents accidental use of incorrect fuse-links by the user
- Voltage selector for two voltage ranges
- Insulation cover on the rear-side
- Especially suitable for use in switching power supplies
- Qualified for use in equipment according IEC/EN 60950

Other versions on request
- Panel thickness 1.0 / 2 / 2.5 mm (max.)
- Fuseholder 1-pole
- Line switch 1-pole
- Line switch with other rocker marking
- Without housing and cover on the rear-side
- For protection class II (only without housing and cover on the rear-side)
- Voltage selector with other marking

References
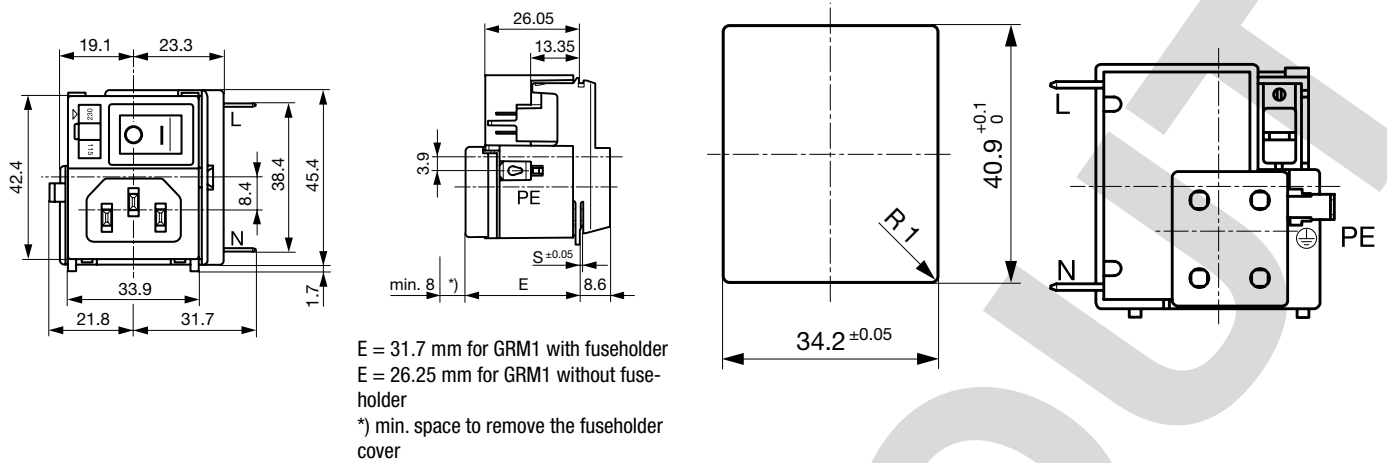This type is Phase-out without alternate type
Last order date: 31.12.2012

Weblinks
pdf-datasheet, html-datasheet, General Product Information, Approvals, RoHS, CHINA-RoHS, Mating Connectors, e-Shop, SCHURTER-Stock-Check, Distributor-Stock-Check, CAD-Drawings, Accessories, Detailed request for product

Newly available variants corresponding to V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.
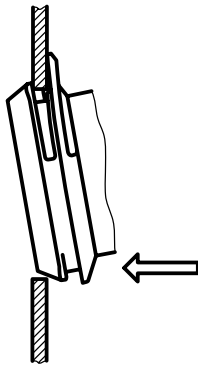
Technical Data

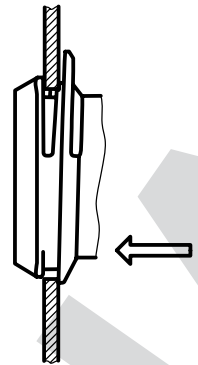|	
Ratings IEC	10A / 250VAC; 50/60Hz
Ratings UL/CSA	10A / 250VAC; 50/60Hz
Dielectric Strength	> 2.3kVAC between L-N > 2.8kVAC between L/N-PE (1 min/50 Hz)
Allowable Operation Temp.	-25 °C to 70 °C
Degree of Protection	from front side IP 40 acc. to IEC 60529
Protection Class	Suitable for appliances with protection class I acc. to IEC 61140
Terminal	Quick connect terminals 4.8 x 0.8 mm Solder terminal on request Solder terminals on voltage selector
Panel Thickness s	Snap-in: 1.5 mm (other on request)
Material: Housing	Thermoplastic, black, UL 94V-0

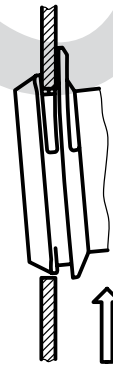|	
Appliance Inlet	C14 acc. to IEC 60320, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class I
Fuseholder	1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20mm
Rated Power Acceptance @ Ta 23 °C	5 x 20: 2 W (1 pole)/ 1.6 W (2-pole) per pole
Power Acceptance @ Ta > 23°C	Admissible power acceptance at higher ambient temperature see derating curves
Line Switch	Rocker switch 2-pole, non-illuminated, acc. to IEC 61058-1 Technical Details
Voltage Selectors	optional jumper, 2 pos.

Dimensions

E = 31.7 mm for GRM1 with fuseholder
E = 26.25 mm for GRM1 without fuse-holder
*) min. space to remove the fuseholder cover

Dimensions

Step 1

Place the socket in top edge of the panel cut-out.

Step 2

Push the socket upwards.

Step 3
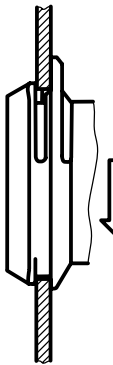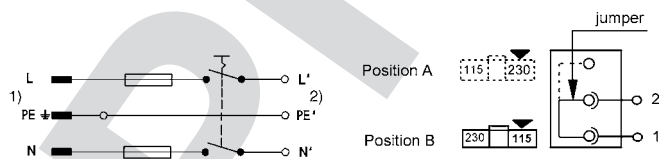
Push the socket forward into the panel cut-out.

Step 4

Release the socket. The component is self adjusting.

Diagrams

Version: line switch and fuseholder 2-pole

Voltage selector

Position A

Position B

jumper

1) Line
2) Load

SCHURTER
ELECTRONIC COMPONENTS

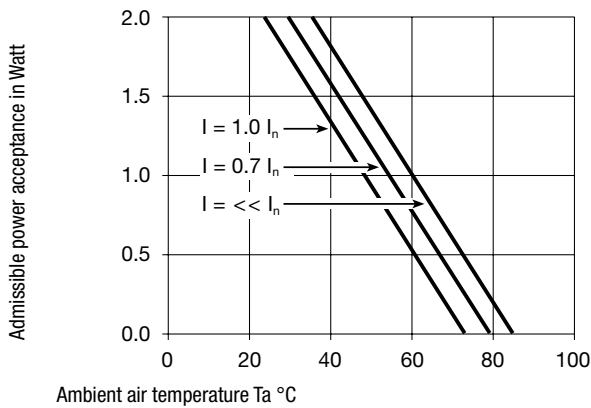Connectors

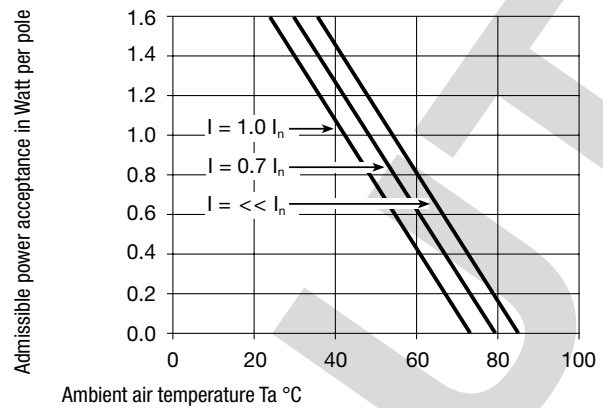## Derating Curves

1-pole

2-pole

Variants

Basic version:
- Marking of the voltage selector 115/230
- with housing and cover on the rear-side

Fuseholder	Voltage Selectors	Order Number
-		GRM1.1160.013
-	●	GRM1.1161.023
2-pole		GRM1.1180.013
2-pole	●	GRM1.1181.023

Packaging unit

20 Pcs

Mating Outlets/Connectors

Category / Description

Appliance Outlet Overview complete

IEC Appliance Outlet F, Screw-on Mounting, Front Side, Solder Terminal	4787
IEC Appliance Outlet F, Snap-in Mounting, Front Side, Solder or Quick-connect Terminal	4788
IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder, PCB or Quick-connect Terminal	5091
IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder or Quick-connect Terminal	5092

Appliance Outlet further types to GRM1

Connector Overview complete

IEC Connector C15, Rewireable, Straight	0101
IEC Connector C15A, Rewireable, Straight	0102
IEC Connector C15A, Rewireable, Straight	0102-G
IEC Connector C15A, Rewireable, Angled	0112
IEC Connector C13, Rewireable, Angled	4012

Connector further types to GRM1 ...

Power Cord Overview complete

Power Cord with IEC Connector C13, Angled	0311
Power Cord with IEC Connector C13, Angled	3011
Power Cord with IEC Connector C13, Angled	3012
Power Cord with IEC Connector C13, Angled	3013
Power Cord with IEC Connector C13	3020

Power Cord further types to GRM1 ...

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