

IEC Appliance Inlet C14 with Shielding, "Lock and Shield" Mounting



GRF2: only with shield, without line filter

**Description**

- Panel Mount:
Snap-in version from rear-side
- 2 Functions:
Appliance Inlet Protection class I, with EMC-shield

Approvals

- VDE Certificate Number: 40025743
- UL File Number: E96454
- CSA File Number: 38456

Characteristics

- Time saving "Lock and Shield" snap-in design for rear-panel mounting
- All single elements are already wired
- Innovative EMC-shielding with flexible steel segments for an excellent contact to the panel
- Qualified for use in equipment according IEC/EN 60950

Other versions on request

- With solder terminals

References

Alternative: version with line filter

Weblinks

[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Detailed request for product](#)

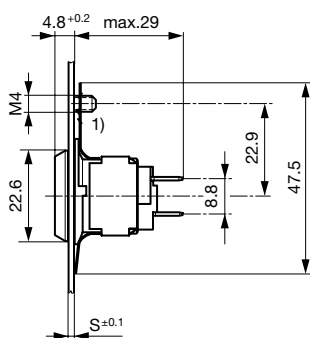
Technical Data

Ratings IEC	10A @ Ta 40 °C / 250 VAC; 50Hz
Ratings UL/CSA	15A @ Ta 40 °C / 125 VAC; 60Hz
Dielectric Strength	> 1.7 kVDC between L-N
	> 2.7 kVDC between L/N-PE Test voltage (2 sec)
Allowable Operation Temp.	-25 °C to 85 °C
Climatic Category	25/085/21 acc. to IEC 60068-1
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
	Plug Connector Solder terminal on request
Panel Thickness s	Snap-in: 1.2/1.5/2 mm
Material: Housing	Thermoplastic, black, UL 94V-0

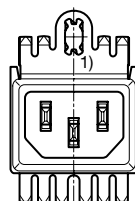
Appliance-Inlet/-Outlet	C14 acc. to IEC 60320, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class I
MTBF	> 3'300'000h acc. to MIL-HB-217 F

Dimensions

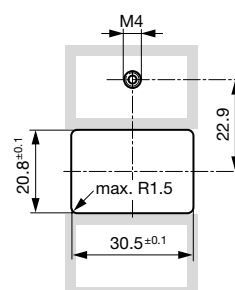
GRF2



1) Terminal for earth screw M4



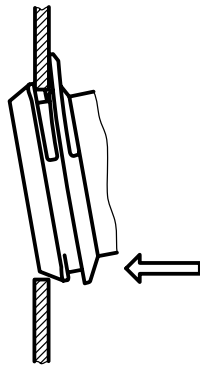
1) Terminal for earth screw M4



This area must be conductive for optimal shielding. Do not apply paint or coatings.

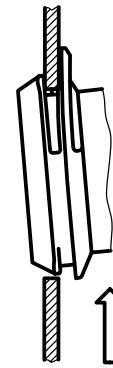
Mounting instructions

Step 1



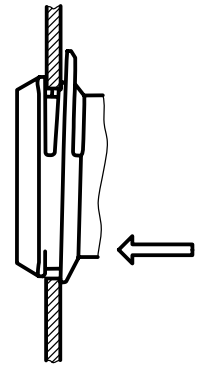
Place the socket in top edge of the panel cut-out.

Step 2



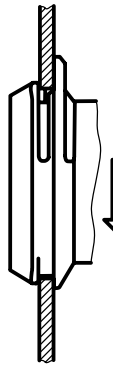
Push the socket upwards.

Step 3



Push the socket forward into the panel cut-out.

Step 4



Release the socket. The component is self adjusting.

Variants

Rated Current IEC [A]	Rated Current UL [A]	Filter-Type	Panel Thickness s [mm]	Additional ground terminal	Order Number
10	15	-	1.2	-	GRF2.0212.11
10	15	-	1.5	-	GRF2.0215.11
10	15	-	2	-	GRF2.0220.11
10	15	-	1.2	Quick connect terminal 4.8 x 0.8	GRF2.0312.11
10	15	-	1.5	Quick connect terminal 4.8 x 0.8	GRF2.0315.11
10	15	-	2	Quick connect terminal 4.8 x 0.8	GRF2.0320.11

Packaging unit

100 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 GRF2](#)



[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 GRF2](#)

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[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 GRF2](#)

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