

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
- Suitable for use in equipment according to IEC/UL 60950

**Other versions on request**

- With solder terminals

**References**

Alternative: version with line filter

**Weblinks**

[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Accessories](#)

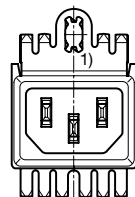
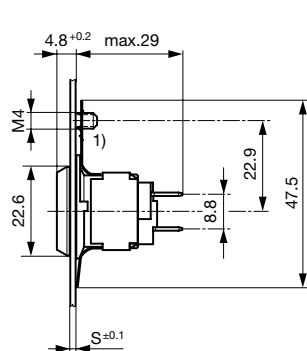
**Technical Data**

Ratings IEC	10A @ Ta 40 °C / 250VAC; 50Hz
Ratings UL/CSA	15A @ Ta 40 °C / 125VAC; 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

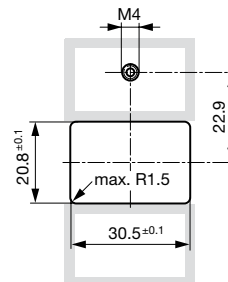
Appliance-Inlet/-Outlet	C14 acc. to IEC 60320, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class I
MTBF	> 3'300'000h acc. to MIL-HB-217 F

**Dimension**

GRF2



1) Terminal for earth screw M4

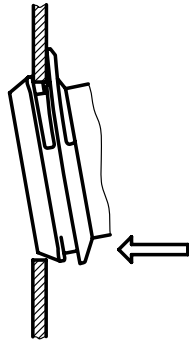


This area must be conductive for optimal shielding. Do not apply paint or coatings.

1) Terminal for earth screw M4

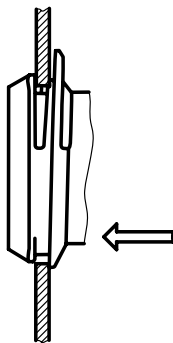
## Assembly Instructions

Step 1



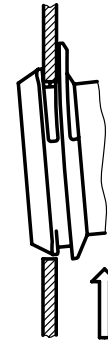
Place the socket in top edge of the panel cut-out.

Step 3



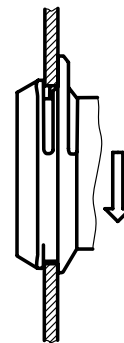
Push the socket forward into the panel cut-out.

Step 2



Push the socket upwards.

Step 4



Release the socket. The component is self adjusting.

## All Variants

Rated Current IEC [A]	Rated Current UL [A]	Filter-Type	Panel Thicknesses [mm]	Additional ground terminal	Weight [g]	Order Number
10	15	-	1.2	-	13.9g	<a href="#">GRF2.0212.11</a>
10	15	-	1.5	-	13.9g	<a href="#">GRF2.0215.11</a>
10	15	-	2	-	13.9g	<a href="#">GRF2.0220.11</a>
10	15	-	1.2	Quick connect terminal 4.8 x 0.8 mm	14g	<a href="#">GRF2.0312.11</a>
10	15	-	1.5	Quick connect terminal 4.8 x 0.8 mm	25g	<a href="#">GRF2.0315.11</a>
10	15	-	2	Quick connect terminal 4.8 x 0.8 mm	14g	<a href="#">GRF2.0320.11</a>

Most Popular.

Availability for all products can be searched real-time: <http://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>

**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

[Appliance Outlet further types to GRF2](#)



Connector Overview complete

IEC Connector C13, Rewireable, Straight	4782
IEC Connector C13, Rewireable, Straight	4022
IEC Connector C13, Rewireable, Angled	4785
IEC Connector C13, Rewireable, Angled	4300-06
IEC Connector C13, Rewireable, Angled	4012
<a href="#">Connector further types to GRF2</a>	...