

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



GRF2: only with shield, without line filter



See below:  
[Approvals and Compliances](#)

### Description

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

### 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 data sheet](#), [html datasheet](#), [General Product Information](#), [Distributor-Stock-Check](#), [Accessories](#), [Detailed request for product](#)

### Technical Data

|                                 |                                                                                      |
|---------------------------------|--------------------------------------------------------------------------------------|
| Ratings IEC                     | 10A @ Ta 40 °C / 250VAC; 50Hz                                                        |
| Ratings UL/CSA                  | 15A @ Ta 40 °C / 250VAC; 60Hz                                                        |
| Dielectric Strength             | > 1.7 kVDC between L-N<br>> 2.7 kVDC between L/N-PE<br>Test voltage (2 sec)          |
| Allowable Operation Temperature | -25 °C to 85 °C                                                                      |
| Climatic Category               | 25/085/21 acc. to IEC 60068-1                                                        |
| IP-Protection                   | from front side IP40 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<br>Plug Connector<br>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 60320-1,<br>UL 60320-1, CSA C22.2 no. 60320-1<br>(for cold conditions) pin-temperature 70 °C, 10A, Protection Class I |
| MTBF                    | > 3'300'000 h acc. to MIL-HB-217 F                                                                                                    |

### Approvals and Compliances

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [Details about Approvals](#)

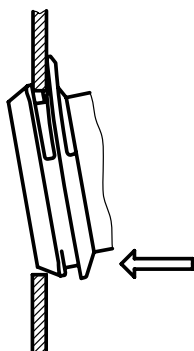
SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.  
Approval Reference Type: GRF2

2 | **SCHURTER** | EMC Products  
ELECTRONIC COMPONENTS

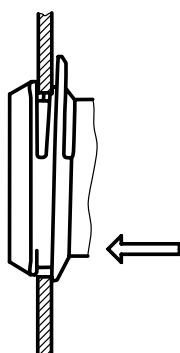
## Assembly Instructions

### Step 1



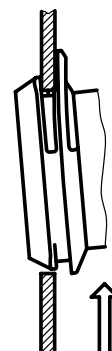
Place the socket in top edge of the panel cut-out.

### Step 3



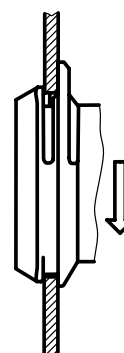
Push the socket forward into the panel cut-out.

### Step 2



Push the socket upwards.

### Step 4



Release the socket. The component is self adjusting.

## All Variants

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

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

**Packaging unit** 100 Pcs

## Mating Outlets/Connectors

### Category / Description

#### [Appliance Outlet Overview complete](#)



4787, Mounting: Screw-on mounting, Appliance Outlet: IEC Solder terminals, 10 A, Suitable for appliances with protection class I

[4787](#)

4788, Mounting: Snap-in version, Appliance Outlet: IEC Solder terminals or quick connect terminals, 10 A, Suitable for appliances with protection class I

[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

|                                                                                 |         |
|---------------------------------------------------------------------------------|---------|
| 4022 Mounting: Power Supply Cord, 3 x 1.5 mm², Screw clamps, Connector: IEC C13 | 4022    |
| 4782 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13    | 4782    |
| 4012 Mounting: Power Supply Cord, 3 x 1 mm², Screw clamps, Connector: IEC C13   | 4012    |
| 4785 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13    | 4785    |
| 4300-06 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13 | 4300-06 |

Connector further types to GRF2

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