

IEC Appliance Inlet C14 with Line Switch, Fuseholder 1- or 2-pole, Voltage Selector (series-parallel), "Lock and Shield" Mounting,



GRM2: only with shield, without line filter



### Description

- Panel Mount:  
Snap-in version from rear-side
- 5 Functions:  
Appliance Inlet Protection class I, Line Switch 2-pole, with or without Fuseholder for fuse-links 5 x 20 mm, with or without voltage selector, with EMC-shield

### Approvals

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

### Characteristics

- Ultra-compact design  
Time saving "Lock and Shield" snap-in design for rear-panel mounting
- All single elements are already wired
- Fuseholder on the inside of the equipment prevents accidental use of incorrect fuse-links by the user
- Voltage selector for two voltage ranges  
Innovative EMC-shielding with flexible steel segments for an excellent contact to the panel
- Insulation cover on the rear-side
- 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
- Voltage selector with other marking

### References

This type is Phase-out without alternate type  
Last order date: 30.09.2013

### Weblinks

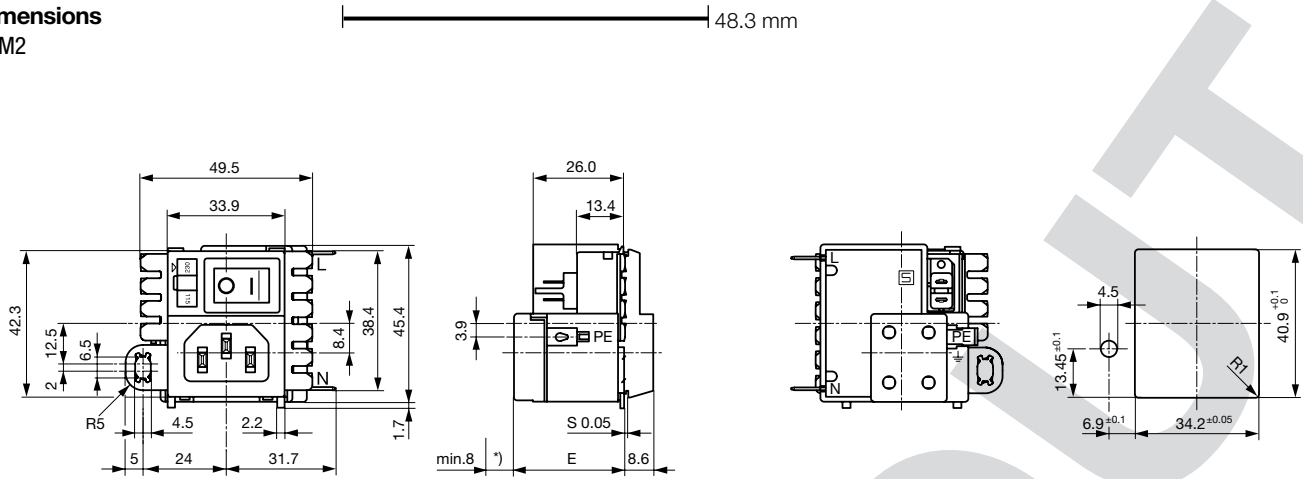
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Detailed request for product](#)

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.

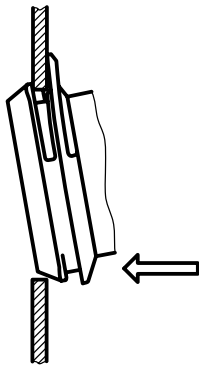
### Technical Data

|                           |   |                                   |  |
|---------------------------|---|-----------------------------------|--|
| Ratings IEC               | 10A @ Ta 40 °C / 250VAC; 50Hz   | 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 |
| Ratings UL/CSA            | 10A @ Ta 40 °C / 125VAC; 60Hz   | Fuseholder                        | 1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20mm                                     |
| Dielectric Strength       | > 1.7 kVDC between L-N<br>> 2.7 kVDC between L/N-PE<br>Test voltage (2 sec)                                 | Rated Power Acceptance @ Ta 23 °C | 5 x 20: 2 W (1 pole)/ 1.6 W (2-pole) per pole  |
| Allowable Operation Temp. | -25 °C to 85 °C   | Power Acceptance @ Ta > 23 °C     | Admissible power acceptance at higher ambient temperature see derating curves  |
| Climatic Category         | 25/085/21 acc. to IEC 60068-1   | Line Switch                       | Rocker switch 2-pole, non-illuminated, acc. to IEC 61058-1<br><a href="#">Technical Details</a>                      |
| Degree of Protection      | from front side IP 40 acc. to IEC 60529   | Voltage Selectors                 | optional, jumper, 2 pos.   |
| Protection Class          | Suitable for appliances with protection class I acc. to IEC 61140   | MTBF                              | > 1'400'000h acc. to MIL-HB-217 F  |
| Terminal                  | Quick connect terminals 4.8 x 0.8 mm<br>Solder terminal on request<br>Solder terminals for voltage selector |                                   |  |
| Panel Thickness s         | Snap-in: 1.5 mm<br>(other on request)   |                                   |  |
| Material: Housing         | Thermoplastic, black, UL 94V-0  |                                   |  |

## Dimensions GRM2

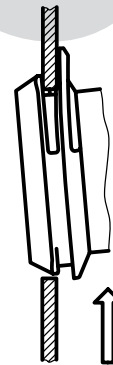


## Dimensions Step 1



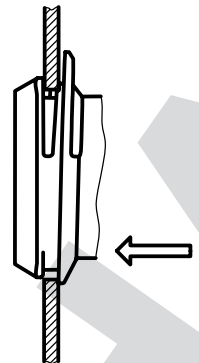
Place the socket in top edge of the panel cut-out.

## Step 2



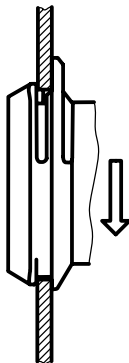
Push the socket upwards.

## Step 3



Push the socket forward into the panel cut-out.

## Step 4

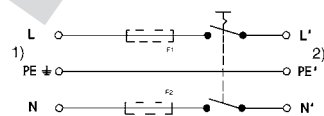
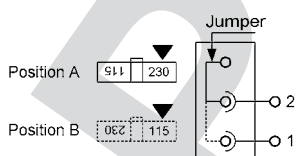


Release the socket. The component is self adjusting.

## Diagrams

### Voltage selector

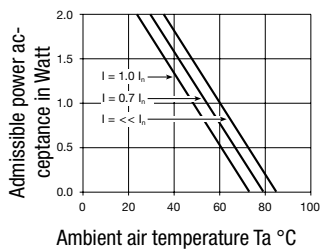
### GRM2



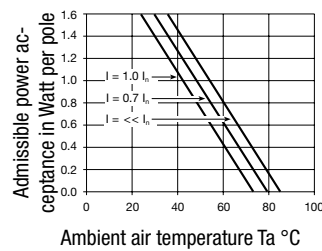
- 1) Line
- 2) Load

Derating Curves

1-pole



2-pole



Variants

Basic version:

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

| Rated Current [A] | Filter-Type | Fuseholder | Line Switch | Voltage Selectors | Order Number  |
|-------------------|-------------|------------|-------------|-------------------|---------------|
| 10                | without     | -          | 2-pole      |                   | GRM2.1160.013 |
| 10                | without     | -          | 2-pole      | ●                 | GRM2.1161.023 |
| 10                | without     | 2-pole     | 2-pole      |                   | GRM2.1180.013 |
| 10                | without     | 2-pole     | 2-pole      | ●                 | GRM2.1181.023 |

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 GRM2

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 GRM2

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 GRM2



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- Поставка образцов и прототипов;
- Техническая поддержка проекта;
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