

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

**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)
- Alternative: version with line filter [GRM2](#); [GRM4](#)

**Approvals**

- VDE License Number: 40024784
- UL License 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**

[General Product Information](#)

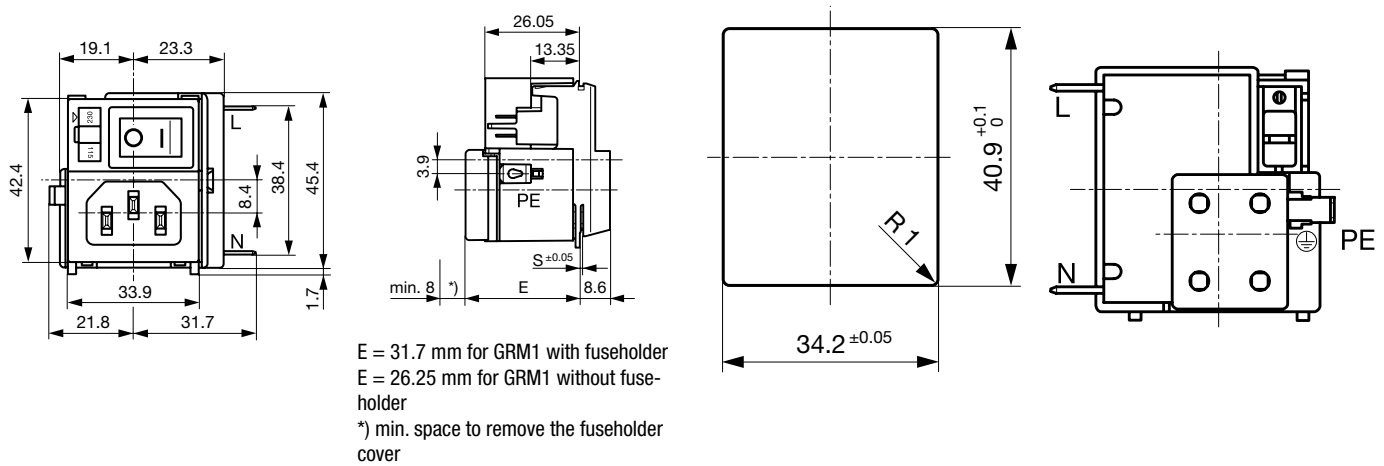
**Weblinks**

[Approvals](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Store](#), [Distributor-Stock-Check](#), [Accessories](#)

**Technical Data**

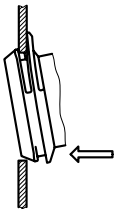
|                           |                                                                                                            |                                   |                                                                                                                           |
|---------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Ratings IEC               | 10A / 250VAC; 50/60Hz                                                                                      | Appliance Inlet                   | C14 acc. to IEC/EN 60320-1, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class 1 |
| Ratings UL/CSA            | 10A / 250VAC; 50/60Hz                                                                                      | Fuseholder                        | 1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20mm                                          |
| Dielectric Strength       | > 2.3kVAC between L-N<br>> 2.8kVAC between L/N-PE<br>(1 min/50Hz)                                          | Rated Power Acceptance @ Ta 23 °C | 5 x 20: 2W (1 pole)/ 1.6W (2-pole) per pole                                                                               |
| Allowable Operation Temp. | -25 °C to 70 °C                                                                                            | Power Acceptance @ Ta > 23°C      | Admissible power acceptance at higher ambient temperature see derating curves                                             |
| Degree of Protection      | from front side IP 40 acc. to IEC 60529                                                                    | Line Switch                       | Rocker switch 2-pole, non-illuminated, acc. to IEC 61058-1<br><a href="#">Technical details</a>                           |
| Protection Class          | Suitable for appliances with protection class 1 acc. to IEC 61140                                          | Voltage Selectors                 | optional jumper, 2 pos.                                                                                                   |
| Terminal                  | Quick connect terminals 4.8 x 0.8 mm<br>Solder terminal on request<br>Solder terminals on voltage selector |                                   |                                                                                                                           |
| Panel Thickness s         | Snap-in: 1.5 mm<br>(other on request)                                                                      |                                   |                                                                                                                           |
| Material: Housing         | Thermoplastic, black, UL 94V-0                                                                             |                                   |                                                                                                                           |

## Dimensions



## Dimensions

Step 1



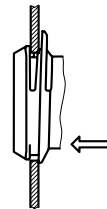
Place the socket in top edge of the panel cut-out.

Step 2



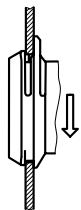
Push the socket upwards.

Step 3



Push the socket forward into the panel cut-out.

Step 4

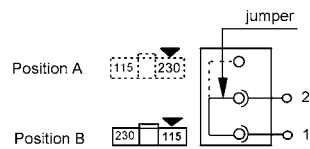
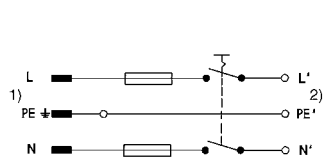


Release the socket. The component is self adjusting.

## Diagrams

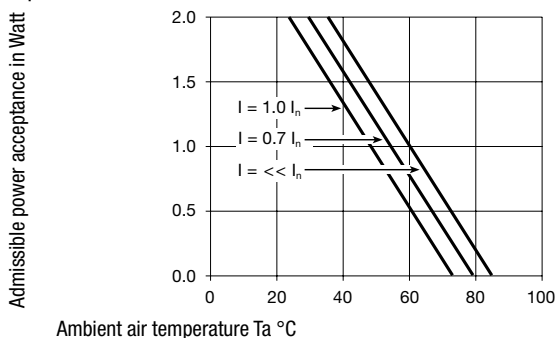
Version: line switch and fuseholder  
 2-pole

Voltage selector

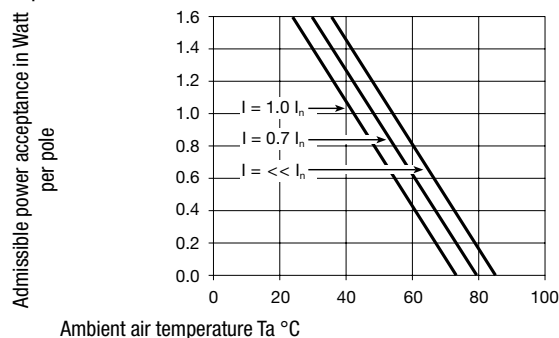


**Derating Curves**

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 or Quick-connect 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](#)