

IEC Appliance Inlet C8 with Line Switch 1-pole



CMF1
 IEC connector C8 with line switch 1-pole
 PCB Mounting



See below:
[Approvals and Compliances](#)

Description

- Panel mount :
 Screw-on mounting on PCB , from top or bottom
- 2 Functions :
 Appliance Inlet Protection class II , Line Switch 1-pole
- For PCB mounting

Characteristics

- Easy mounting with center bolt and snapper or screwed on PCB or housing
- Electrical connection done on the PCB
- Bi-positioning of the switch from left or right side, Standard CMF with switch on right side
- With or without rear-side insulation cover
- Suitable for use in equipment according to IEC/UL 60950

Other versions on request

- Line switch with other rocker marking
- Line switch on left of inlet

References

Alternative: polarized version or protection class I [CMF2](#), [CMF5](#); [CMF3](#), [CMF6](#)

Weblinks

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

Technical Data

| | |
|---------------------------------|--|
| Ratings IEC | 2.5 A / 250VAC; 50Hz |
| Ratings UL/CSA | 2.5 A / 250VAC; 60Hz |
| | 7A / 125 VAC; 60Hz |
| Dielectric Strength | > 2.3kVAC between L-N > 2.8kVAC between L/N-PE (1 min/50Hz) |
| Allowable Operation Temperature | -25°C to 70°C |
| IP-Protection | from front side IP40 acc. to IEC 60529 |
| Insulation cover | Suitable for appliances with protection class II acc. to IEC 61140 |
| Terminal | PCB 1.6 mm |
| Material: Housing | Thermoplastic, black, UL 94V-0 |

| | |
|-------------------------|--|
| appliance inlet/-outlet | C8 acc. to IEC 60320-1, UL 60320-1, CSA C22.2 no. 60320-1 (for cold conditions) pin-temperature 70 °C, 2.5A, Protection Class II |
| Line Switch | Rocker switch 1-pole, non-illuminated, acc. to IEC 61058-1 Technical Details |




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.





Approvals

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

| Approval Logo | Certificates | Certification Body | Description |
|--|-------------------------------|--------------------|--|
|  | VDE Approvals | VDE | VDE Certificate Number: 40018468 |
|  | UL Approvals | UL | UL File Number: E96454 |
|  | CCC Approvals | CCC | CCC Certificate Number: 2007010204227779 |


Product standards

Product standards that are referenced

| Organization | Design | Standard | Description |
|--|-----------------------|-----------------------|---|
|  | Designed according to | IEC 60320-1 | Appliance couplers for household and similar general purposes |
|  | Designed according to | IEC 61058-1 | Switches for appliances. Part 1. General requirements |
|  | Designed according to | UL 60320-1 | Standard for Attachment Plugs and Receptacles |
|  | Designed according to | CSA C22.2 no. 60320-1 | General Use Receptacles, Attachment Plugs, and Similar Wiring Devices |





Application standards

Application standards where the product can be used

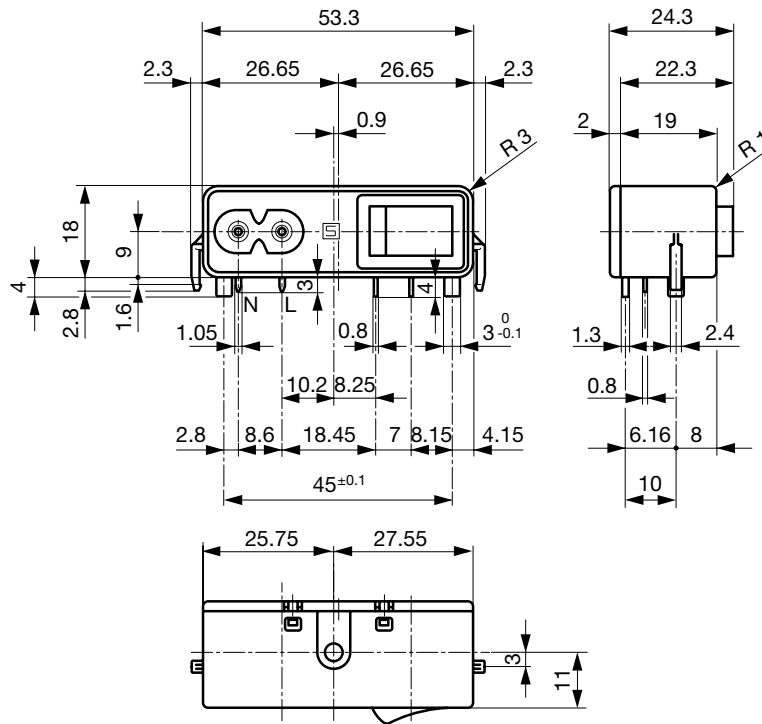
| Organization | Design | Standard | Description |
|---|--------------------------------|--------------|---|
|  | Designed for applications acc. | IEC/UL 60950 | IEC 60950-1 includes the basic requirements for the safety of information technology equipment. |

Compliances

The product complies with following Guide Lines

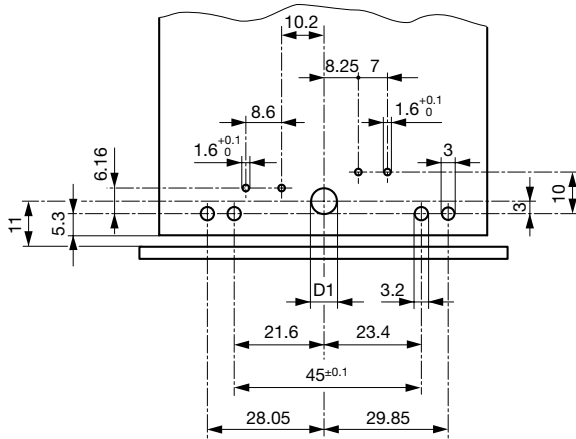
| Identification | Details | Initiator | Description |
|--|--|-------------|---|
|  | CE declaration of conformity | SCHURTER AG | The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008. |
|  | RoHS | SCHURTER AG | Directive RoHS 2011/65/EU, Amendment (EU) 2015/836 |
|  | China RoHS | SCHURTER AG | The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS. |
|  | REACH | SCHURTER AG | On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force. |

Dimensions [mm]



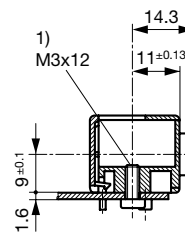
With insulation cover
 The size of the mounting cut-out can be selected as required.

Drilling Diagram / CMF1 and CMF2



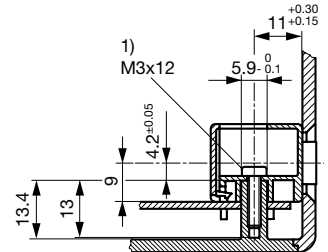
D1 = 6.2 mm mounting from above
 D1 = 3.6 mm mounting from below

Fixation on PCB or housing from below



1) self tapping screw

Fixation on PCB or housing from above



1) self tapping screw

All Variants

| Connectors | Mounting side | Cover | Ground terminal | Ground terminal direction | Order Number |
|------------|---------------|---------------|-----------------|---------------------------|--------------|
| C8 | from below | with cover | - | - | CMF1.1131.12 |
| C8 | from below | without cover | - | - | CMF1.1031.12 |
| C8 | from top | with cover | - | - | CMF1.1111.12 |
| C8 | from top | without cover | - | - | CMF1.1011.12 |

Most Popular.

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

Packaging unit 50 Pcs

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.