

## IEC Appliance Inlet C6 with Line Switch 1-pole



CMF3

**Description**

- Panel Mount:  
Screw-on mounting on PCB, from top or bottom
- 2 Functions:  
Appliance Inlet Protection class I, Line Switch 1-pole
- For PCB mounting
- Alternative: protection class II version [CMF1](#), [CMF4](#); [CMF2](#), [CMF5](#)

**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
- Qualified for use in equipment according IEC/EN 60950

**Other versions on request**

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

**References**

[General Product Information](#)

**Weblinks**

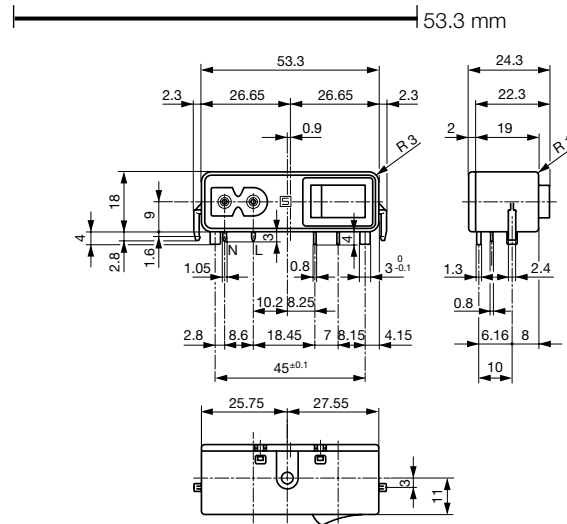
[Approvals](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Store](#), [Distributor-Stock-Check](#), [Accessories](#)

**Technical Data**

|                           |                                                                      |
|---------------------------|----------------------------------------------------------------------|
| Ratings IEC               | 2.5 A / 250 VAC; 50 Hz                                               |
| Ratings UL/CSA            | 6 A / 125 VAC; 60 Hz                                                 |
| Dielectric Strength       | > 2.3 kVAC between L-N<br>> 2.8 kVAC between L/N-PE<br>(1 min/50 Hz) |
| Allowable Operation Temp. | -25 °C to 70 °C                                                      |
| Degree of Protection      | from front side IP 40 acc. to IEC 60529                              |
| Protection Class          | Suitable for appliances with protection class 1 acc. to IEC 61140    |
| Terminal                  | PCB 1.6 mm<br>Additional ground terminal                             |
| Material: Housing         | Thermoplastic, black, UL 94V-0                                       |

|                 |                                                                                                                                  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------|
| Appliance Inlet | C6 acc. to IEC/EN 60320-1,<br>UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C,<br>2.5 A, Protection Class 1 |
| Line Switch     | Rocker switch 1-pole, non-illuminated,<br>acc. to IEC 61058-1<br><a href="#">Technical details</a>                               |

## Dimensions

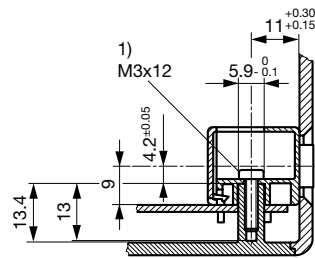
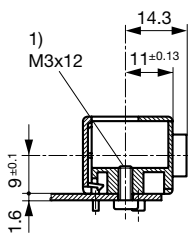


with insulation cover

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

Fixation on PCB or housing from below

Fixation on PCB or housing from above

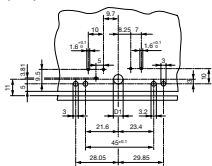


1) self tapping screw

1) self tapping screw

## Drilling diagrams

CMF3 (C6)



## Variants

Standard CMF with switch on right side

| Connectors | Mounting side | Cover | Ground terminal              | Ground terminal direction | Order Number |
|------------|---------------|-------|------------------------------|---------------------------|--------------|
| C6         | from below    |       | -                            | -                         | CMF3.1032.12 |
| C6         | from below    |       | Solder terminal 2.8 x 0.8 mm | angled to pin axis        | CMF3.1033.12 |
| C6         | from below    |       | Solder terminal 2.8 x 0.8 mm | straight                  | CMF3.1034.12 |
| C6         | from below    | ●     | -                            | -                         | CMF3.1132.12 |
| C6         | from below    | ●     | Solder terminal 2.8 x 0.8 mm | angled to pin axis        | CMF3.1133.12 |
| C6         | from below    | ●     | Solder terminal 2.8 x 0.8 mm | straight                  | CMF3.1134.12 |
| C6         | from top      |       | -                            | -                         | CMF3.1012.12 |
| C6         | from top      |       | Solder terminal 2.8 x 0.8 mm | angled to pin axis        | CMF3.1013.12 |
| C6         | from top      |       | Solder terminal 2.8 x 0.8 mm | straight                  | CMF3.1014.12 |
| C6         | from top      | ●     | -                            | -                         | CMF3.1112.12 |
| C6         | from top      | ●     | Solder terminal 2.8 x 0.8 mm | angled to pin axis        | CMF3.1113.12 |
| C6         | from top      | ●     | Solder terminal 2.8 x 0.8 mm | straight                  | CMF3.1114.12 |

**Packaging unit** 50 Pcs

### Mating Outlets/Connectors

#### Category / Description



[Power Cord Overview complete](#)

|                                            |      |
|--------------------------------------------|------|
| Power Cord with IEC Connector C5, Angled   | 2512 |
| Power Cord with IEC Connector C5, Straight | 2530 |

[Power Cord further types to CMF3, CMF6](#)