

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

### 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: protection class II version

### Weblinks

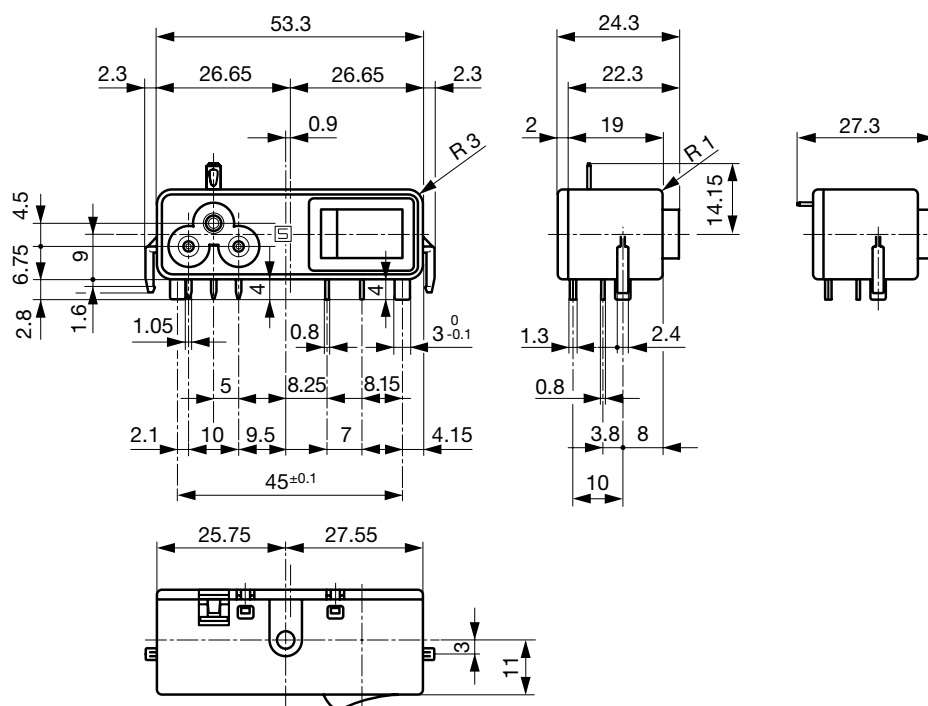
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Detailed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

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

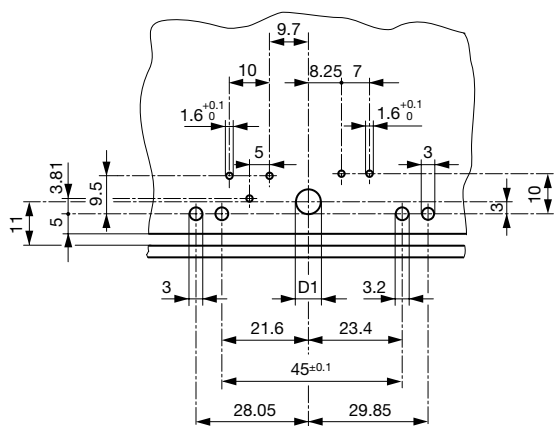
## Dimensions



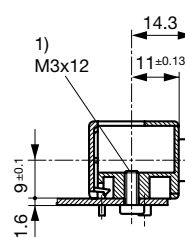
With insulation cover

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

### Drilling Diagram / CMF3 (C6)

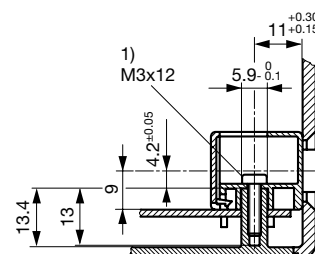


Fixation on PCB or housing from below



1) self tapping screw

Fixation on PCB or housing from above



1) self tapping screw

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

PC Board 1.6 mm / Dimensions without tolerance:  $\leq 15 = \pm 0.05$  /  $> 15 = \pm 0.10$

Drilling diagram CMF6 mirror-inverted

## All Variants

| Connectors | Mounting side | Cover         | Ground terminal              | Ground terminal direction | Order Number                 |
|------------|---------------|---------------|------------------------------|---------------------------|------------------------------|
| C6         | from below    | with cover    | -                            | -                         | <a href="#">CMF3.1132.12</a> |
| C6         | from below    | with cover    | Solder terminal 2.8 x 0.8 mm | angled to pin axis        | <a href="#">CMF3.1133.12</a> |
| C6         | from below    | with cover    | Solder terminal 2.8 x 0.8 mm | straight                  | <a href="#">CMF3.1134.12</a> |
| C6         | from below    | without cover | -                            | -                         | <a href="#">CMF3.1032.12</a> |
| C6         | from below    | without cover | Solder terminal 2.8 x 0.8 mm | angled to pin axis        | <a href="#">CMF3.1033.12</a> |
| C6         | from below    | without cover | Solder terminal 2.8 x 0.8 mm | straight                  | <a href="#">CMF3.1034.12</a> |
| C6         | from top      | with cover    | -                            | -                         | <a href="#">CMF3.1112.12</a> |
| C6         | from top      | with cover    | Solder terminal 2.8 x 0.8 mm | angled to pin axis        | <a href="#">CMF3.1113.12</a> |
| C6         | from top      | with cover    | Solder terminal 2.8 x 0.8 mm | straight                  | <a href="#">CMF3.1114.12</a> |

| Connectors | Mounting side | Cover         | Ground terminal              | Ground terminal direction | Order Number                 |
|------------|---------------|---------------|------------------------------|---------------------------|------------------------------|
| C6         | from top      | without cover | -                            | -                         | <a href="#">CMF3.1012.12</a> |
| C6         | from top      | without cover | Solder terminal 2.8 x 0.8 mm | angled to pin axis        | <a href="#">CMF3.1013.12</a> |
| C6         | from top      | without cover | Solder terminal 2.8 x 0.8 mm | straight                  | <a href="#">CMF3.1014.12</a> |

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

**Packaging unit** 50 Pcs