IEC Appliance Inlet C6 with Line Switch 1-pole

CMF3
IEC connector C6 with line switch 1-pole
PCB

C6

70° C

Description

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

Characteristics

- Easy mounting with center bolt and snapper or srewed on PCB or housing
- Electrical connection done on the PCB
- Standard CMF with switch on the right side
- With or without rear-side insulation cover
- Suitable for use in equipment according to IEC/UL 62368-1

Other versions on request

- Line switch with other rocker marking

References

Alternative: protection class II version CMF2

Weblinks

pdf data sheet, html datasheet, General Product Information, Approvals, Distributor-Stock-Check, Accessories, Detailed request for product

Technical Data

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

Appliance inlet/-outlet	C6 acc. to IEC 60320-1, UL 60320-1, CSA C22.2 no. 60320-1 (for cold conditions) pin-temperature 70 °C, 2.5 A, Protection Class I
Line Switch	Rocker switch 1-pole, non-illuminated, acc. to IEC 61058-1 Technical Details

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	UR 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

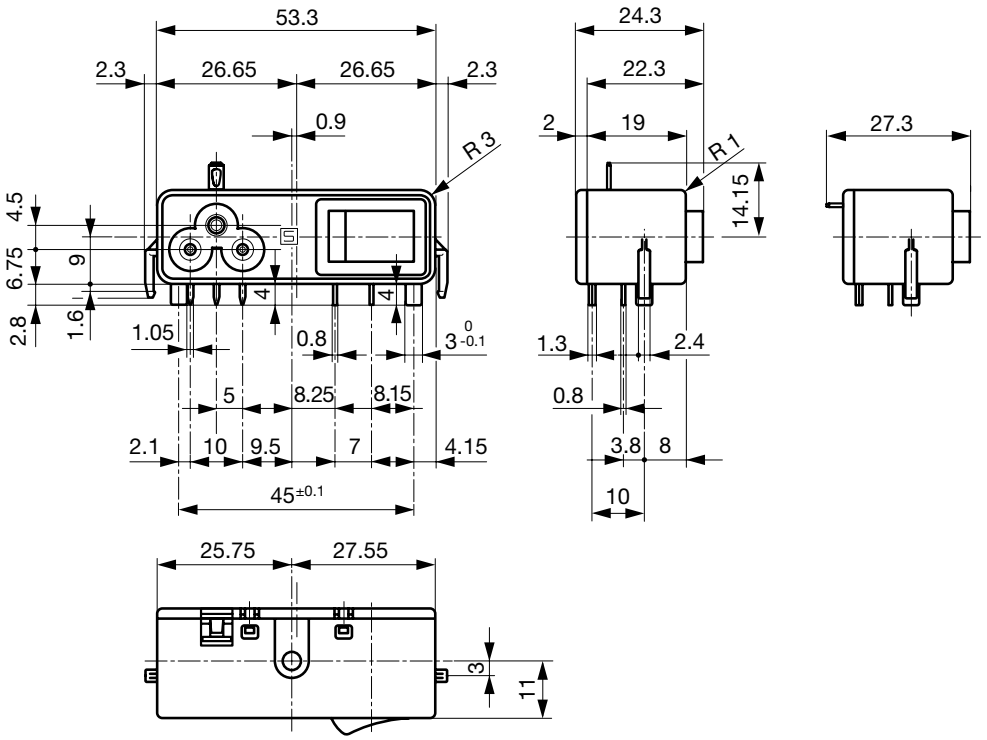
Organization	Design	Standard	Description
	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements

Compliances

The product complies with following Guide Lines

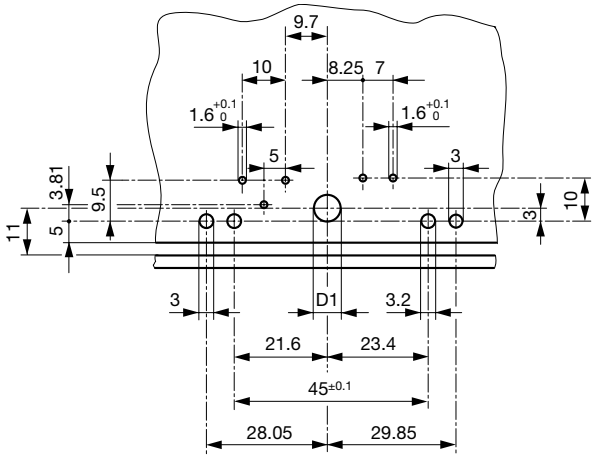
Identification	Details	Initiator	Description
CE	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
UKCA	UKCA declaration of conformity	SCHURTER AG	The UKCA marking declares that the product complies with the applicable requirements laid down in the British Amendment of Regulation (EC) 765/2008.
RoHS	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
	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.

Dimensions [mm]

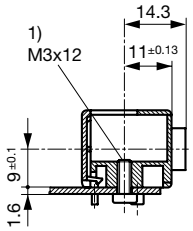


With insulation cover
The size of the mounting cut-out can be selected as required.

Drilling Diagram / CMF3 (C6)

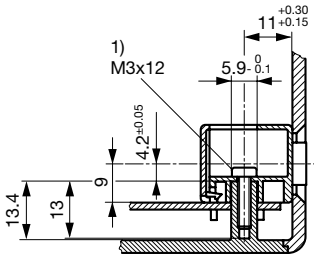


Fixation on PCB or housing from below



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 belowPC Board 1.6 mm / Dimensions without tolerance: ≤ 15 = ± 0.05 / > 15 = ± 0.10

All Variants

Connectors	Mounting side	Cover	Ground terminal	Ground terminal direction	Order Number
C6	from below	with cover	-	-	CMF3.1132.12
C6	from below	with cover	Solder terminal 2.8 x 0.8 mm	angled to pin axis	CMF3.1133.12
C6	from below	with cover	Solder terminal 2.8 x 0.8 mm	in line with PIN-axis	CMF3.1134.12
C6	from below	without cover	-	-	CMF3.1032.12
C6	from below	without cover	Solder terminal 2.8 x 0.8 mm	angled to pin axis	CMF3.1033.12
C6	from below	without cover	Solder terminal 2.8 x 0.8 mm	in line with PIN-axis	CMF3.1034.12
C6	from top	with cover	-	-	CMF3.1112.12
C6	from top	with cover	Solder terminal 2.8 x 0.8 mm	angled to pin axis	CMF3.1113.12

Connectors	Mounting side	Cover	Ground terminal	Ground terminal direction	Order Number
C6	from top	with cover	Solder terminal 2.8 x 0.8 mm	in line with PIN-axis	CMF3.1114.12
C6	from top	without cover	-	-	CMF3.1012.12
C6	from top	without cover	Solder terminal 2.8 x 0.8 mm	angled to pin axis	CMF3.1013.12
C6	from top	without cover	Solder terminal 2.8 x 0.8 mm	in line with PIN-axis	CMF3.1014.12

Availability for all products can be searched real-time: https://www.schurter.com/en/info-center/support-tools/stock-check-distributors

Packaging unit 50 Pcs

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