IEC Appliance Inlet C14 with Filter, compact design, Front- or Rear Side Mounting

new

Snap-in mounting

Screw-on mounting
with plastic flange

C14

70° C

See below:
Approvals and Compliances

Description
- Compact IEC C14 Appliance Inlet with Filter
- Appliance Inlet Protection class I
- Line filter in standard and medical version
- Screw-on or snap-in mounting
- Flexible wire

Unique Selling Proposition
- Ultra compact IEC C14 inlet filter
- Optimal high frequency mains input filtering
- Fully closed steel housing
- V-Lock cord retaining

Characteristics
- Extremely compact filter
- Optimal shielding due to completely closed filter case
- Suitable for assembly in metal plated plastic housings
- Suitable for use in medical equipment according to IEC/UL 60601-1 (1 MOOP, 1 MOPP)

Other versions on request
- flexible wire with various lenghts

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

Technical Data

Ratings IEC	10 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	15 A @ Ta 40 °C / 250 VAC; 60 Hz
Leakage Current	standard < 0.5 mA (250 V / 60 Hz) medical (M80) < 80 µA (250 V / 60 Hz)
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec)
Allowable Operation Temperature	-25 °C to 85 °C
Climatic Category	25/085/21 acc. to IEC 60068-1
IP-Protection	front side IP40 acc. to IEC 60529
Protection Class	Suitable for appliances with protection class I acc. to IEC 61140
Terminal	Flexible wire connection Flexible wire AWG16, 150 mm
Panel Thickness S	Screw: max 8 mm Mounting screw torque max 0.5 Nm Snap-in: 0.8 mm to 2 mm (all steps with one variant)
Material	Themoplast / steel tin-plated, black / metallic, UL 94V-0

Appliance inlet/-outlet	C14 acc. to IEC 60320-1, UL 60320-1, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class I
Line Filter	Standard and Medical Version, IEC 60939, UL 60939-3, CSA C22.2 no. 8 Technical Details
MTBF	> 3'300'000 h acc. to MIL-HB-217 F

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: 5121

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	Certificate Number: 40016382
	UL Approvals	UL	UR File Number: E495089
	CQC Approvals	CQC	CQC Certificate Number: CQC18001192022

Product standards

Product standards that are referenced

Organization	Design	Standard	Description
IEC	Designed according to	IEC 60320-1	Appliance couplers for household and similar general purposes
IEC	Designed according to	IEC 60939	Passive filters for suppressing electromagnetic interference
UL	Designed according to	UL 60320-1	Standard for Attachment Plugs and Receptacles
UL	Designed according to	UL 60939-3	Passive filters for suppressing electromagnetic interference
CSA Group	Designed according to	CSA C22.2 no. 42	General Use Receptacles, Attachment Plugs, and Similar Wiring Devices
CSA Group	Designed according to	CSA C22.2 no. 8	Electromagnetic interference (EMI) filters

Application standards

Application standards where the product can be used

| Organization	Design	Standard	Description
IEC	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements
IEC	Suitable for applications acc.	IEC 60601-1	Medical electrical equipment - Part 1: General requirements for basic safety and essential performance

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.
REACH	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.
V-Lock		SCHURTER AG	V-Lock system are based on a matching plug-dose combination. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.
	Medical Equipment	SCHURTER AG	Suitable for use in medical equipment according to IEC/UL 60601-1 (1 MOOP, 1 MOPP)

Dimension [mm]

Screw-on mounting from front or rear side with flexible wire
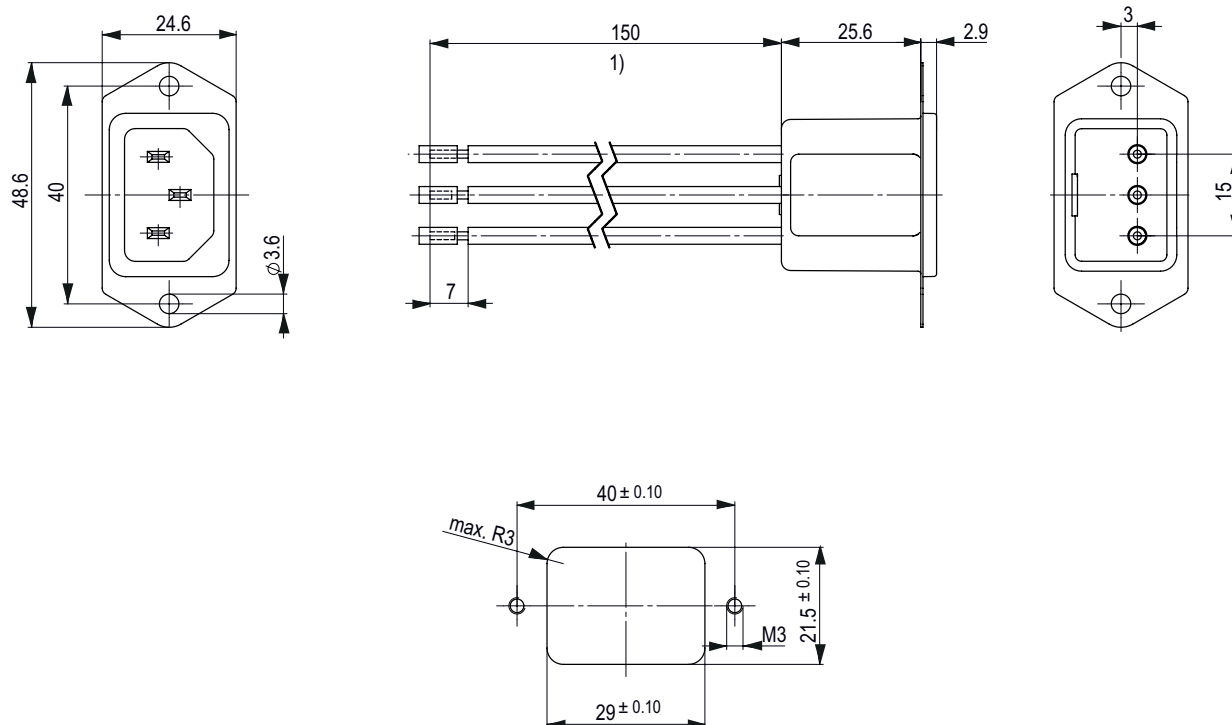
Screw-on mounting with plastic flange from front side with flexible wire
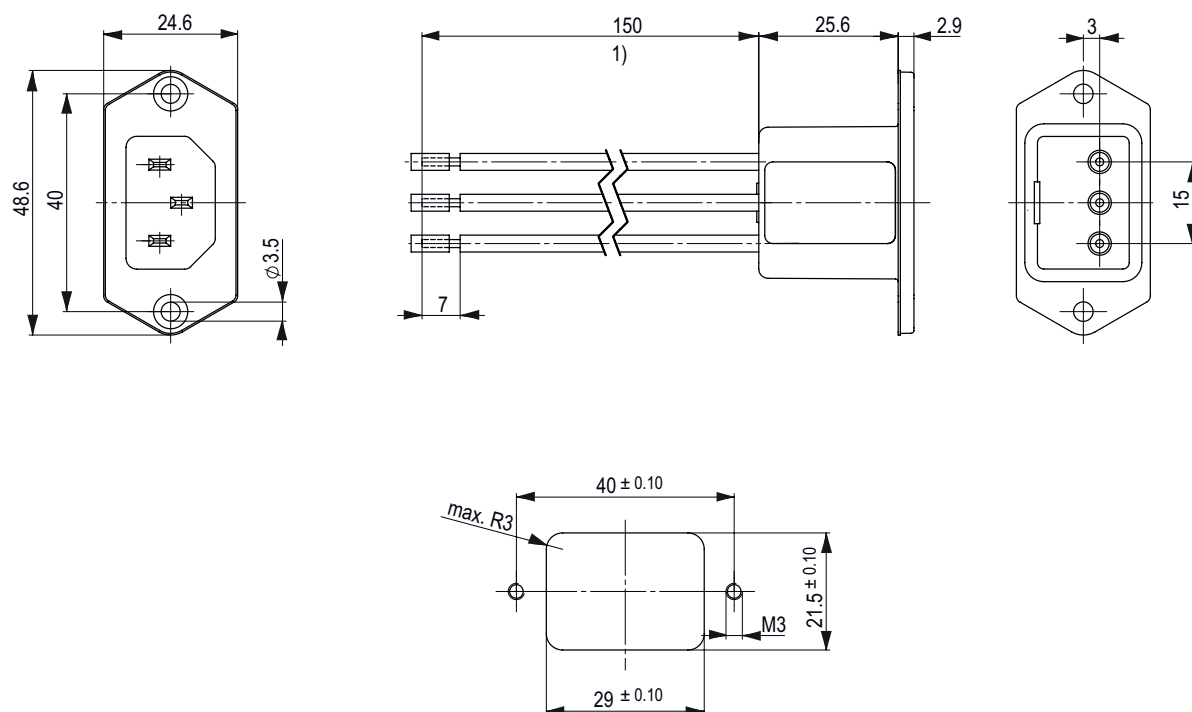
Snap-in mounting from front side with flexible wire

24.6

32.6

150
1)

25.6

2.9

3

15

7

max. R1.5

21.5 ± 0.10

29.4 ± 0.10
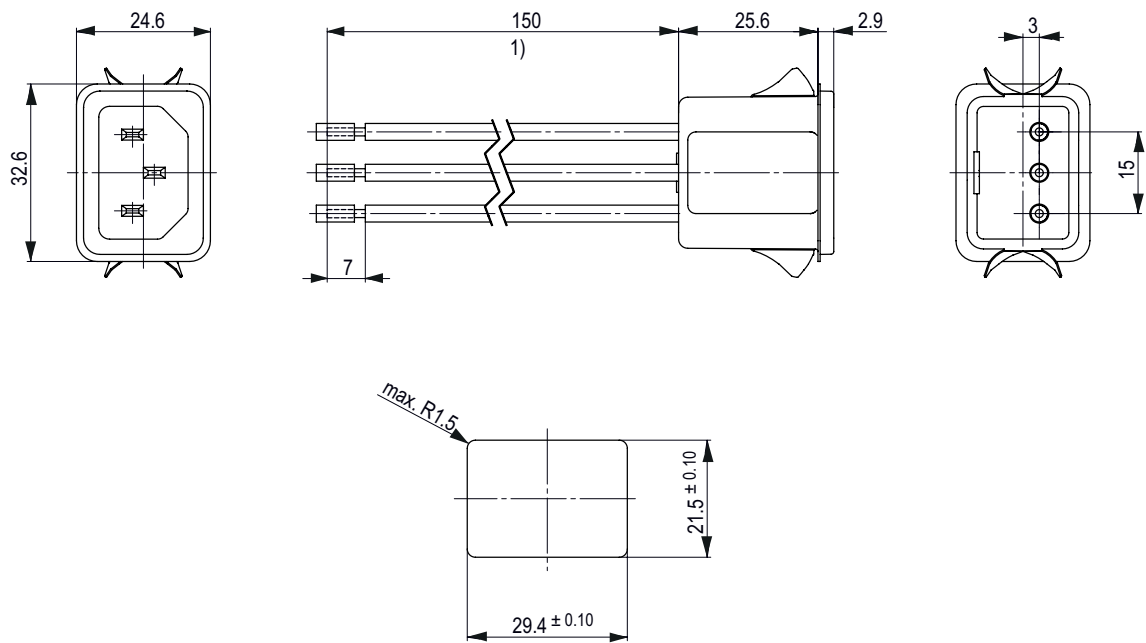
1) Flexible wire, standard length 150 mm or special length on request

Diagrams

L ——————●—— o L'

1) PE o—|| ||—●— o PE' 2)

Cy

Cy

N o——————●—— o N'
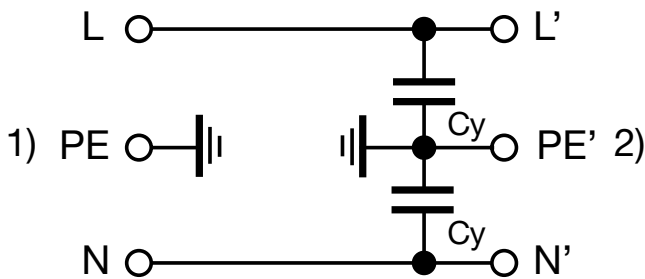
1) Line, 2) Load

Attenuation Loss

- - - - 50Ω differential mode _____ 50Ω common mode

Standard version

15 A

dB
80
60
40
20
0
0.01 0.1 1 10 100 400 MHz
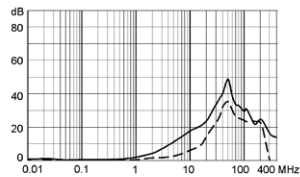
Medical version (M80)

15 A
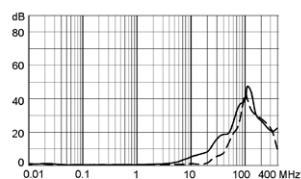
Variants

Rated Current IEC [A]	Rated Current UL [A]	Filter-Type	Panel mounting	Mounting side	Terminal	Capacitance CY [nF]	Order Number
10	15	Standard version	Snap-in	front side	Flexible wire connection	Y2 2.2	3-132-196
10	15	Standard version	Screw with plastic flange	front side	Flexible wire connection	Y2 2.2	3-132-192
10	15	Standard version	Screw	front / rear-side	Flexible wire connection	Y2 2.2	3-132-198
10	15	Medical Version (M80)	Snap-in	front / rear-side	Flexible wire connection	Y2 0.47	3-132-197
10	15	Medical Version (M80)	Screw with plastic flange	front side	Flexible wire connection	Y2 0.47	3-132-195
10	15	Medical Version (M80)	Screw	front / rear-side	Flexible wire connection	Y2 0.47	3-132-199

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

Wire length: 150 mm

Packaging unit

10 Pcs

Accessories

Description

Wire_Harness
Wire harness for SCHURTER products

RC320
Rear Cover for Power Entry Module

Cord_retaining_kits
Cord retaining strain relief

Mating Outlets/Connectors

Category / Description

Appliance Outlet Overview complete

4787, Mounting: Screw-on mounting, Appliance Outlet: IEC Solder terminals, 10 A, Suitable for appliances with protection class I	4787
IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder, PCB or Quick-connect Terminal	5091

Connector Overview complete

4782 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13	4782
4785 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13	4785
4300-06 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13	4300-06

Mating Outlets/Connectors shuttered

Connector Overview complete

4783 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13	4783

Power Cord Overview complete

VAC13KS, Overview, V-Lock cord retaining, diverse Connector IEC C13, diverse, black	VAC13KS

02.04.2025

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Schurter](#):

[3-132-192](#) [3-132-195](#) [3-132-196](#) [3-132-197](#) [3-132-198](#) [3-132-199](#)