

IEC Appliance Inlet C14 with Filter 2-Stage, Fuseholder 2-pole, Line Switch 2-pole



Description

- Panel mount :
Screw-on mounting front side
- 4 Functions :
Appliance Inlet Protection class I , Fuseholder for fuse-links 5 x 20 mm 2-pole , Line Switch 2-pole , Line filter in standard and medical version , 2 stage
- Quick connect terminals 6.3 x 0.8 mm

Characteristics

- Compact design with optimal shielding
- All single elements are already wired
- Plug removal necessary for fuse-link replacement
- 2-stage line filter with increased attenuation
With EMC-shield
- For applications according IEC/UL 62368-1 we recommend variants with bleed resistor
Suitable for use in medical equipment according to IEC/UL 60601-1 (1 MOOP, 1 MOPP)

Other versions on request

- Medical Version (M80)

References

- Alternative: version without line filter [6765](#)
- Alternative: version with 1-stage filter [FKI](#)
- We recommend for new applications the type [DD14](#)

Weblinks

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

Technical Data

Ratings IEC	1 - 10A @ Ta 40 °C / 250 VAC; 50Hz	Appliance inlet/-outlet	C14 acc. to IEC 60320-1, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class I
Ratings UL/CSA	1 - 10A @ Ta 40 °C / 250 VAC; 60Hz	Fuseholder	2-pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20mm
Leakage Current	standard < 0.5 mA (250 V / 60Hz) medical < 5 µA (250 V / 60 Hz)	Rated Power Acceptance @ Ta 23 °C	5 x 20: 1.6W (2-pole)
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec)	Power Acceptance @ Ta > 23°C	Admissible power acceptance at higher ambient temperature see derating curves
Allowable Operation Temperature	-25 °C to 85 °C	Line Switch	2-pole, non-illuminated, acc. to IEC 61058-1 Technical Details
Climatic Category	25/085/21 acc. to IEC 60068-1	Line Filter	Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
IP-Protection	front side IP40 acc. to IEC 60529	MTBF	> 1'200'000h acc. to MIL-HB-217 F
Protection Class	Suitable for appliances with protection class I acc. to IEC 61140		
Terminal	Quick connect terminals 6.3 x 0.8 mm		
Panel Thickness S	Screw: max 8 mm Mounting screw torque max 0.5Nm		
Material	Thermoplastic, black, UL 94V-0		



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: FKID

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	Certificate Number: 40004665
	UL Approvals	UL	UR File Number: E72928

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 60939	Passive filters for suppressing electromagnetic interference
	Designed according to	IEC 60127-6	Miniature fuses. Part 6. Fuse-holders for miniature fuse-links
	Designed according to	IEC 61058-1	Switches for appliances. Part 1. General requirements
	Designed according to	UL 498	Standard for Attachment Plugs and Receptacles
	Designed according to	UL 1283	Passive filters for suppressing electromagnetic interference
	Designed according to	CSA C22.2 no. 42	General Use Receptacles, Attachment Plugs, and Similar Wiring Devices
	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
	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements
	Suitable for applications acc.	IEC 60601-1	Medical electrical equipment - Part 1: General requirements for basic safety and essential performance
	Suitable for applications acc.	IEC 60335-1	Safety of electrical appliances for household and similar purposes. Meets the requirements for appliances in unattended use. This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-11 or -12 & -13.

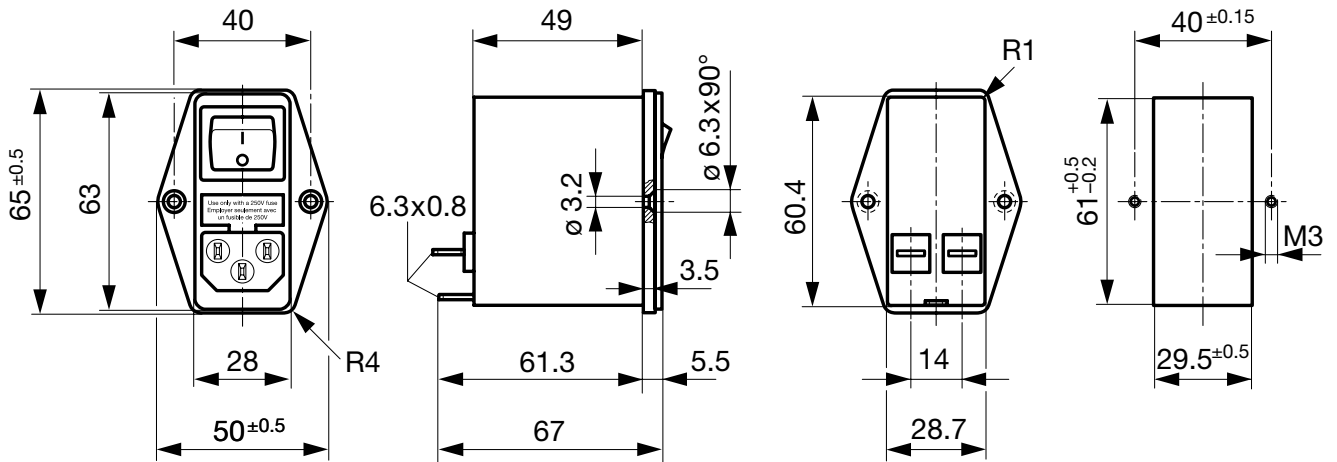
Compliances

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.
	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	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.
	White Paper Glow wire test	SCHURTER AG	Meets the requirements of IEC 60335-1 for appliances in unattended use. This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-11 or -12 & -13.
	Medical Equipment	SCHURTER AG	Suitable for use in medical equipment according to IEC/UL 60601-1 (1 M00P, 1 MOPP)

Dimension [mm]

Case 45



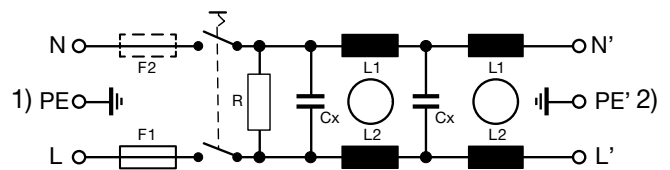
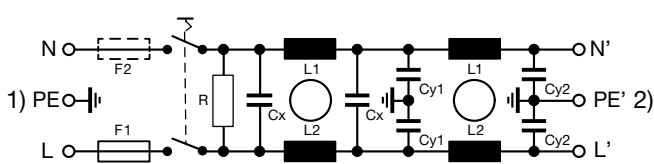
Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacity Cy1 [nF]	Capacity Cy2 [nF]	R [MΩ]
1	Standard version	2 x 10	68	1.5	1	1
2	Standard version	2 x 4	68	1.5	1	1
4	Standard version	2 x 1.5	68	1.5	1	1
6	Standard version	2 x 0.8	68	1.5	1	1
10	Standard version	2 x 0.3	68	1.5	1	1
1	Medical Version (M5)	2 x 10	68	-	-	1
2	Medical Version (M5)	2 x 4	68	-	-	1
4	Medical Version (M5)	2 x 1.5	68	-	-	1
6	Medical Version (M5)	2 x 0.8	68	-	-	1
10	Medical Version (M5)	2 x 0.3	68	-	-	1

Diagrams

Standard version

Medical Version (M5)

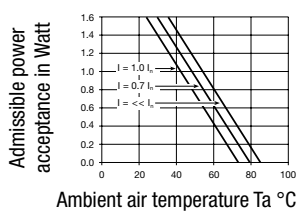


1) Line
2) Load

1) Line
2) Load

Derating Curves

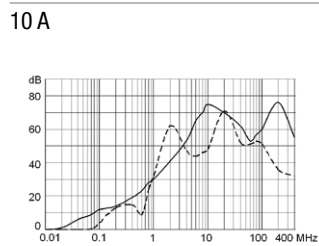
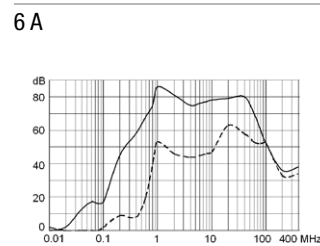
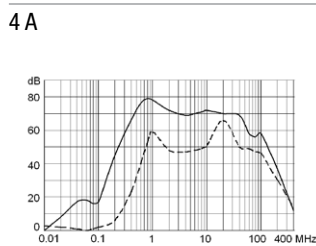
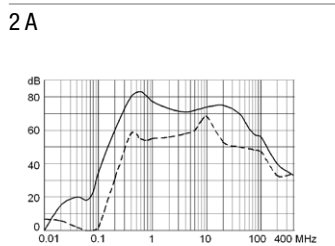
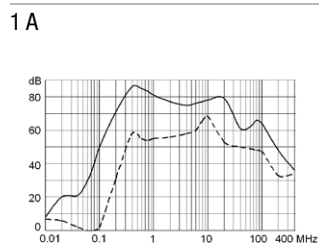
2-pole



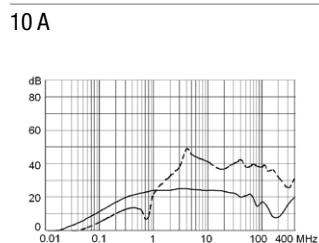
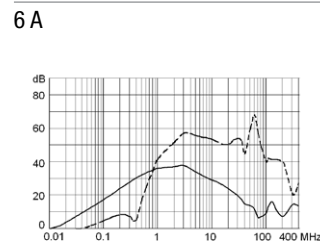
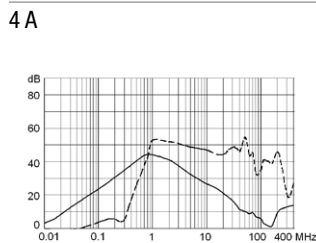
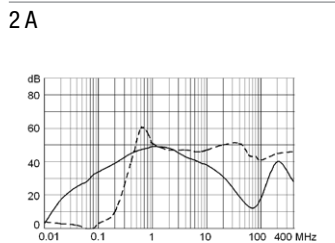
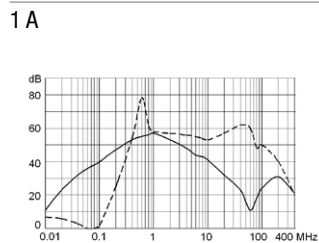
Attenuation Loss

--- 50Ω differential mode ___ 50Ω common mode

Standard version



Medical version (M5)



All Variants

Type	Rated Current [A]	Filter-Type	Fuseholder	Line Switch	Housing	Material: Housing	Order Number
FKID	1	Standard version	2-pole	2-pole	45	Nickel plated steel	4304.5021
FKID	2	Standard version	2-pole	2-pole	45	Nickel plated steel	4304.5022
FKID	4	Standard version	2-pole	2-pole	45	Nickel plated steel	4304.5023
FKID	6	Standard version	2-pole	2-pole	45	Nickel plated steel	4304.5024
FKID	10	Standard version	2-pole	2-pole	45	Nickel plated steel	4304.5025
FKID	2	Medical Version (M5)	2-pole	2-pole	45	Nickel plated steel	4304.5067
FKID	1	Standard version	2-pole	2-pole	45	Aluminum	4304.5061
FKID	2	Standard version	2-pole	2-pole	45	Aluminum	4304.5062
FKID	4	Standard version	2-pole	2-pole	45	Aluminum	4304.5063
FKID	6	Standard version	2-pole	2-pole	45	Aluminum	4304.5064
FKID	10	Standard version	2-pole	2-pole	45	Aluminum	4304.5065
FKID	1	Medical Version (M5)	2-pole	2-pole	45	Aluminum	4304.5081
FKID	2	Medical Version (M5)	2-pole	2-pole	45	Aluminum	4304.5082
FKID	4	Medical Version (M5)	2-pole	2-pole	45	Aluminum	4304.5083

Type	Rated Current [A]	Filter-Type	Fuseholder	Line Switch	Housing	Material: Housing	Order Number
FKID	6	Medical Version (M5)	2-pole	2-pole	45	Aluminum	4304.5084
FKID	10	Medical Version (M5)	2-pole	2-pole	45	Aluminum	4304.5085

Most Popular.

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

Packaging unit 10 Pcs

Accessories

Description



Assorted_Covers
Rear Cover

0859.0074



RC320
Rear Cover for Power Entry Module

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
4788, Mounting: Snap-in version, Appliance Outlet: IEC Solder / Quick Connect, 10 A, Suitable for appliances with protection class I	4788
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 mm ² / 3 x 18 AWG, Cable, Connector: IEC C13	4782
4785 Mounting: Power Cord, 3 x 1 mm ² / 3 x 18 AWG, Cable, Connector: IEC C13	4785
4300-06 Mounting: Power Cord, 3 x 1 mm ² / 3 x 18 AWG, Cable, Connector: IEC C13	4300-06
4781 Mounting: Power Cord, Cable, Connector: IEC C15	4781
4784 Mounting: Power Cord, 3 x 1 mm ² / 3 x 18 AWG, Cable, Connector: IEC C15	4784