

IEC Appliance Inlet C14 with Filter 2-Stage, Fuseholder 1-pole, Line Switch 2-pole

Standard- or Medical-Filter



C14

70 °C



Description

- Panel Mount:
Screw-on mounting from front side
- 4 Functions:
Appliance Inlet Protection class I, Fuseholder for fuse-links 5 x 20 mm 1-pole, Line Switch 2-pole, Line-filter in standard version, 2 positions
- Quick connect terminals 6.3 x 0.8 mm

Approvals

- VDE Certificate Number: 40004665
- UL File Number: E72928

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
- Suitable for use in equipment according to IEC/UL 60950
Suitable for use in medical equipment according to IEC/UL 60601-1

Other versions on request

- Medical version M80

Weblinks

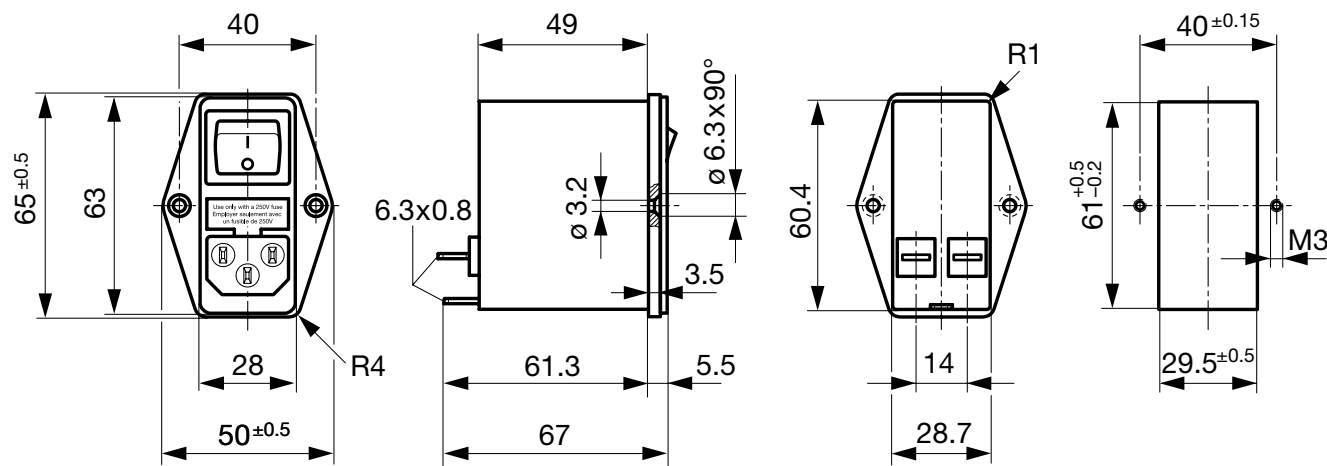
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Distributor-Stock-Check](#), [Accessories](#), [Detailed request for product](#)

Technical Data

Ratings IEC	1 - 10A @ Ta 40 °C / 250 VAC; 50Hz
Ratings UL/CSA	1 - 10A @ Ta 40 °C / 125 VAC; 60Hz
Leakage Current	standard < 0.25 mA (250V / 60Hz)
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec)
Allowable Operation Temp.	-25 °C to 85 °C
Climatic Category	25/085/21 acc. to IEC 60068-1
IP-Protection	from front side IP 40 acc. to IEC 60529
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 0.5 Nm
Material: Housing	Thermoplastic, black, UL 94V-0

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
Fuseholder	1-pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20 mm
Rated Power Acceptance @ Ta 23 °C	5 x 20: 1.6W (1 pole)
Power Acceptance @ Ta > 23°C	Admissible power acceptance at higher ambient temperature see derating curves
Line Switch	2-pole, non-illuminated, acc. to IEC 61058-1 Technical Details
Line Filter	Standard Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
MTBF	> 1'200'000h acc. to MIL-HB-217 F

Dimension
Case 45

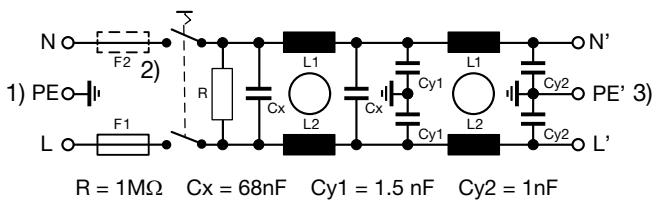


Technical Data of Filter-Components

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

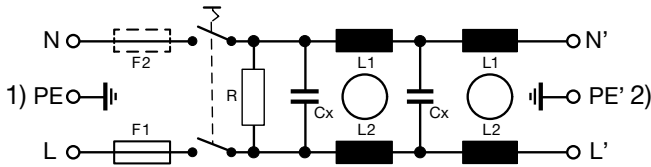
Diagrams

Standard version



- 1) Line
- 2) only FKID
- 3) Load

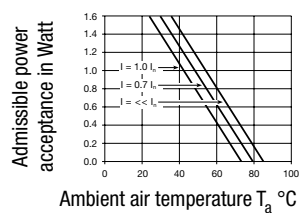
Medical version (M5)



- 1) Line
- 2) Load

Derating Curves

1-pole

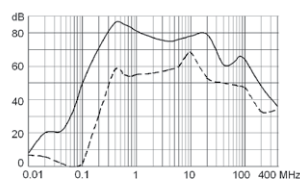


Attenuation Loss

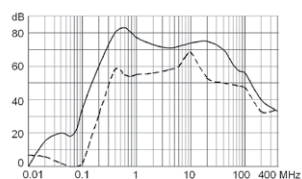
Standard version

--- 50Ω differential mode — 50Ω common mode

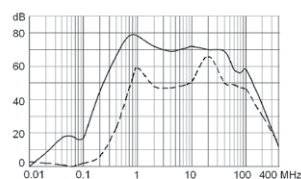
1 A



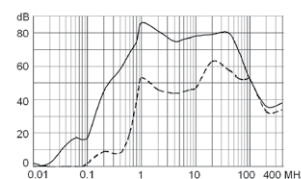
2 A



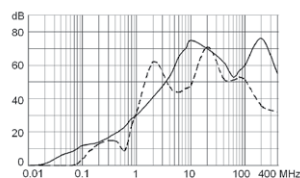
4 A



6 A

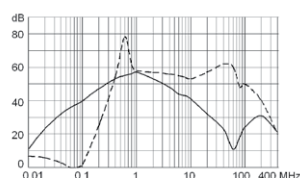


10 A

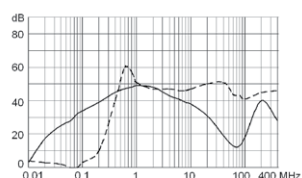


Medical version (M5)

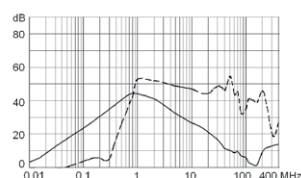
1 A



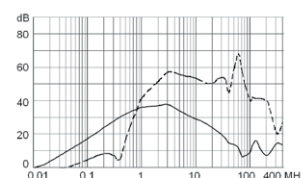
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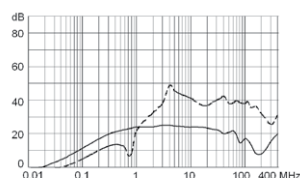
4 A



6 A



10 A



All Variants

Type	Rated Current [A]	Filter-Type	Fuseholder	Line Switch	Housings	Material: Housing	Order Number
FKHD	1	Standard Version	1-pole	2-pole	45	Aluminum	4304.5041
FKHD	2	Standard Version	1-pole	2-pole	45	Aluminum	4304.5042
FKHD	4	Standard Version	1-pole	2-pole	45	Aluminum	4304.5043
FKHD	6	Standard Version	1-pole	2-pole	45	Aluminum	4304.5044
FKHD	10	Standard Version	1-pole	2-pole	45	Aluminum	4304.5045
FKHD	1	Medical Version (M5)	1-pole	2-pole	45	Aluminum	4304.5046
FKHD	2	Medical Version (M5)	1-pole	2-pole	45	Aluminum	4304.5047
FKHD	4	Medical Version (M5)	1-pole	2-pole	45	Aluminum	4304.5048
FKHD	6	Medical Version (M5)	1-pole	2-pole	45	Aluminum	4304.5049
FKHD	10	Medical Version (M5)	1-pole	2-pole	45	Aluminum	4304.5050
FKHD	1	Standard Version	1-pole	2-pole	45	Nickel plated steel	4304.5001
FKHD	2	Standard Version	1-pole	2-pole	45	Nickel plated steel	4304.5002
FKHD	4	Standard Version	1-pole	2-pole	45	Nickel plated steel	4304.5003
FKHD	6	Standard Version	1-pole	2-pole	45	Nickel plated steel	4304.5004
FKHD	10	Standard Version	1-pole	2-pole	45	Nickel plated steel	4304.5005

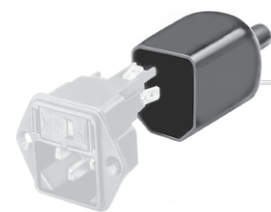
Most Popular.

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

Packaging unit 10 Pcs

Accessories

Description



Assorted Covers
Rear Cover

0859.0074

Mating Outlets/Connectors

Category / Description



Appliance Outlet Overview complete

IEC Appliance Outlet F, Screw-on Mounting, Front Side, Solder Terminal	4787
IEC Appliance Outlet F, Snap-in Mounting, Front Side, Solder or Quick-connect Terminal	4788
IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder, PCB or Quick-connect Terminal	5091

Appliance Outlet further types to FKHD



Connector Overview complete

4782 Mounting: Power Cord, 3 x 1 mm ² / 3 x 18 AWG, Cable, Connector: IEC C13	4782
4022 Mounting: Power Supply Cord, 3 x 1.5 mm ² , Screw clamps, Connector: IEC C13	4022
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
4012 Mounting: Power Supply Cord, 3 x 1.5 mm ² , Screw clamps, Connector: IEC C13	4012

Connector further types to FKHD

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