

IEC Appliance Inlet C14 with Filter, Line Switch 1- or 2-pole, PCB Mounting

Standard- or Medical-Filter



V-Lock



C14
70° C



Description

- Panel Mount:
Screw-on mounting on PCB from rear-side
- 3 Functions:
Appliance Inlet Protection class I, Line Switch 1- or 2-pole, Line filter in standard and medical version
- For PCB mounting

Approvals

- VDE Certificate Number: 40001522
- UL File Number: E72928

Characteristics

- Ultra-compact design
- All single elements are already wired
- Line switch non-illuminated or illuminated
- With EMC-shield
- Especially suitable for use in switching power supplies
Ideal for application with high transient loads
- 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

- Fixing on PCB with self-tapping screws 3 mm or pre-inserted nuts M3
- Other rocker marking
- Illuminated green
- Medical version M80
- Capacitance CX1

References

Alternative: version without line filter [DC21](#)

Alternative: Standard version [DC21](#)

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](#)

Newly available variants corresponding to V-Lock mating cordset. 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.

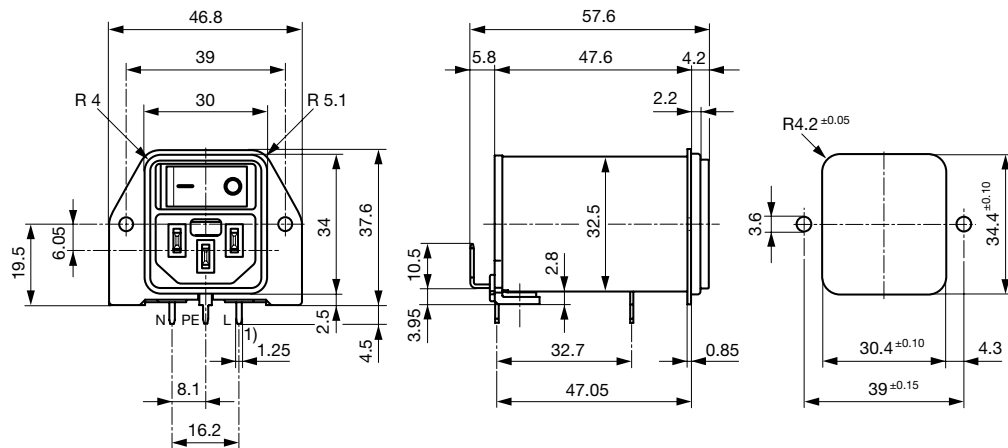
Technical Data

Ratings IEC	1 - 10A @ Ta 40 °C / 250VAC; 50Hz
Ratings UL/CSA	1 - 10A @ Ta 40 °C / 125VAC; 60Hz
Leakage Current	standard < 0.5 mA (250V / 60Hz) medical < 5 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 Temp.	-25 °C to 85 °C
Climatic Category	25/085/21 acc. to IEC 60068-1
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	For PCB mounting ; Ground terminal: Quick connect terminals 6.3 x 0.8 mm angled to pin axis
Panel Thickness s	Screw: max 4 mm Mounting screw torque max 0.5Nm
Material: Housing	Thermoplastic, black, UL 94V-0

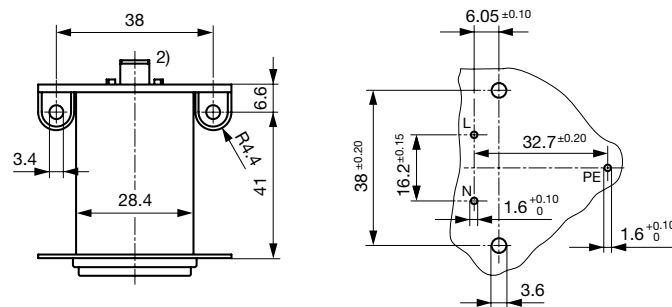
Appliance-Inlet/-Outlet	C14 acc. to IEC 60320, UL 498 CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class I
Line Switch	Rocker switch 1 or 2 pole, non-illuminated or illuminated red, acc. to IEC 61058-1 Technical Details
Line Filter	Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
MTBF	> 2'100'000 h acc. to MIL-HB-217 F

Dimension

Screw-on mounting



1) all pins



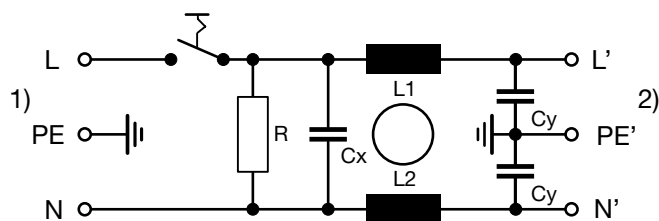
2) PE additionally as quick-connect terminal 6.3 x 0.8

Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [MΩ]
1	Standard Version	2 x 10	100	2.2	1
2	Standard Version	2 x 4	100	2.2	1
4	Standard Version	2 x 1.5	100	2.2	1
6	Standard Version	2 x 0.8	100	2.2	1
10	Standard Version	2 x 0.3	100	2.2	1
1	Medical Version (M5)	2 x 10	100	-	1
2	Medical Version (M5)	2 x 4	100	-	1
4	Medical Version (M5)	2 x 1.5	100	-	1
6	Medical Version (M5)	2 x 0.8	100	-	1
10	Medical Version (M5)	2 x 0.3	100	-	1

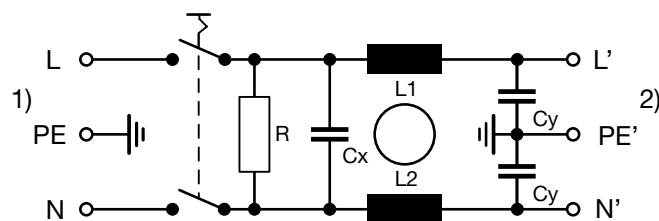
Diagrams

Standard filter 1-pole



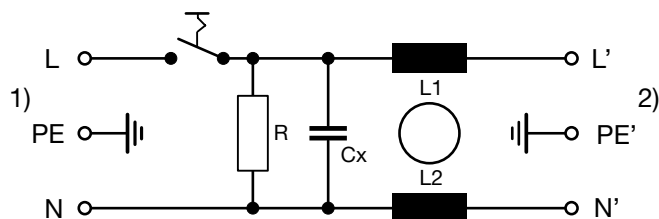
1) Line
2) Load

Standard filter 2-pole



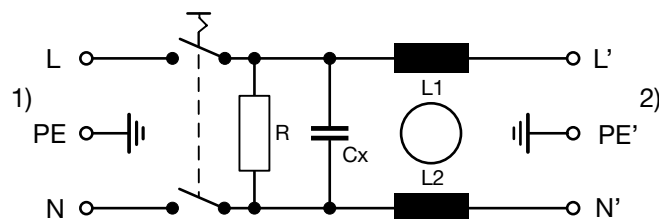
1) Line
2) Load

Medical filter 1-pole (M5)



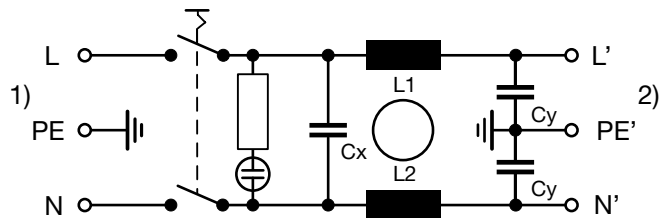
1) Line
2) Load

Medical filter 2-pole (M5)



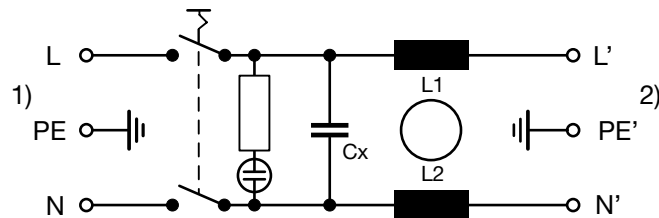
1) Line
2) Load

Standard filter 2-pole
illuminated



1) Line
2) Load

Medical Filter 2-pole (M5)
illuminated

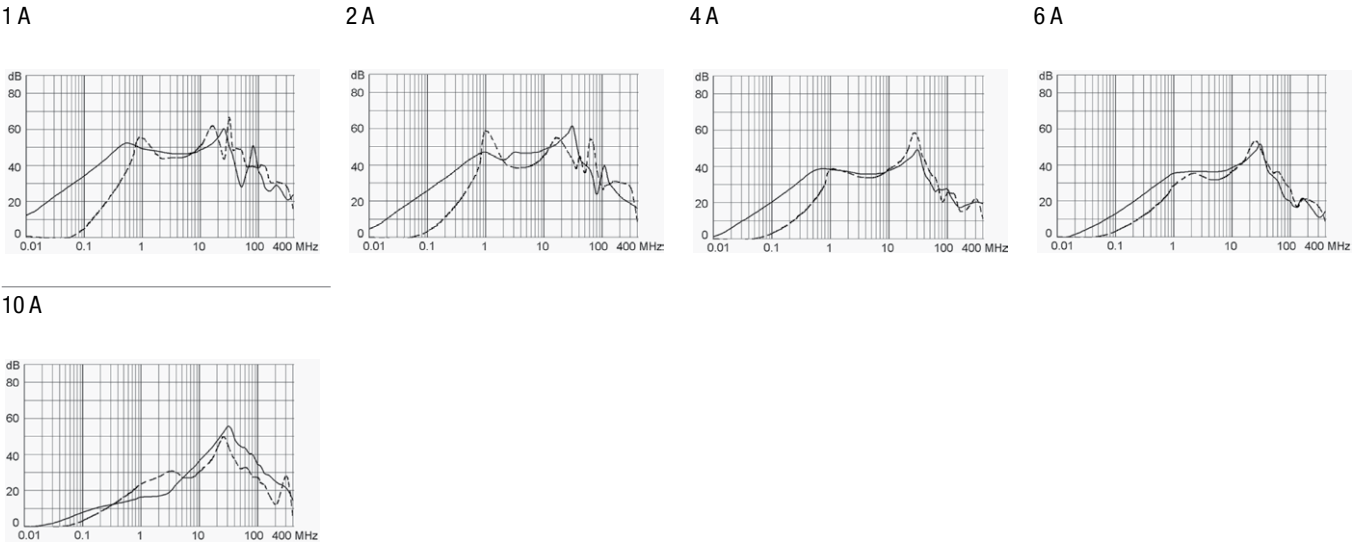


1) Line
2) Load

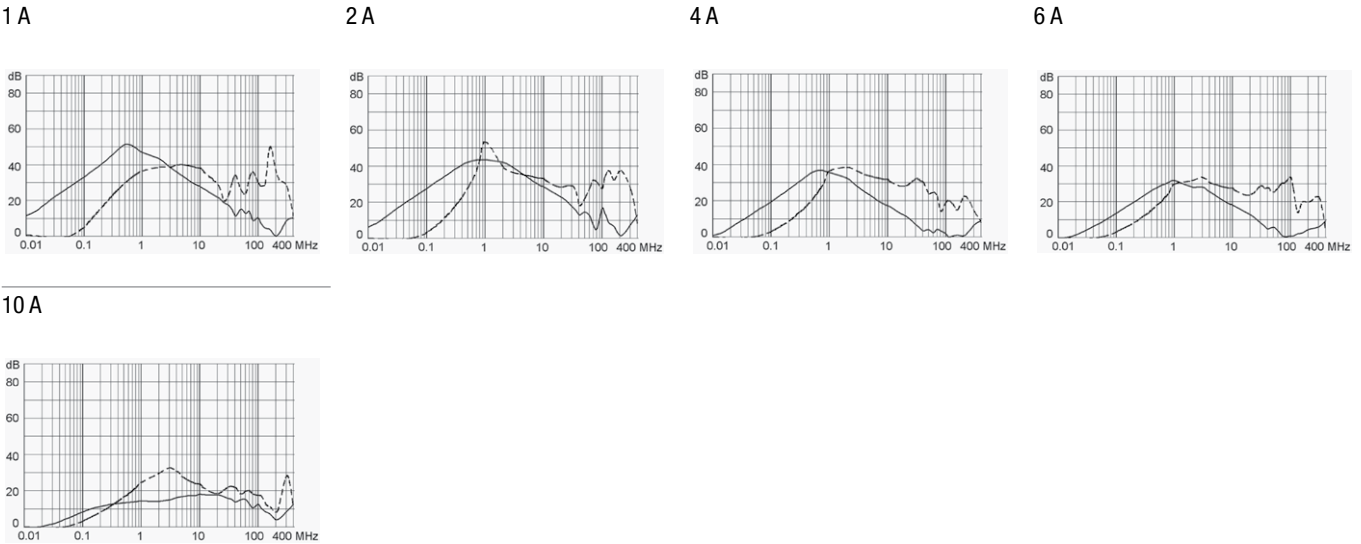
Attenuation Loss

Standard version

--- differential mode — common mode



Medical version (M5)



All Variants

Rated Current	Filter-Type	Line Switch	Illumination	Color	Order Number
1	Standard Version	1-pole	-	-	DC22.1111.111
2	Standard Version	1-pole	-	-	DC22.2111.111
4	Standard Version	1-pole	-	-	DC22.4111.111
6	Standard Version	1-pole	-	-	DC22.6111.111
10	Standard Version	1-pole	-	-	DC22.9111.111
1	Standard Version	2-pole	-	-	DC22.1121.111
2	Standard Version	2-pole	-	-	DC22.2121.111
4	Standard Version	2-pole	-	-	DC22.4121.111
6	Standard Version	2-pole	-	-	DC22.6121.111
10	Standard Version	2-pole	-	-	DC22.9121.111
1	Standard Version	2-pole	●	red	DC22.1123.111
2	Standard Version	2-pole	●	red	DC22.2123.111
4	Standard Version	2-pole	●	red	DC22.4123.111
6	Standard Version	2-pole	●	red	DC22.6123.111
10	Standard Version	2-pole	●	red	DC22.9123.111

Rated Current	Filter-Type	Line Switch	Illumination	Color	Order Number
1	Medical Version (M5)	2-pole		-	DC22.1221.111
2	Medical Version (M5)	2-pole		-	DC22.2221.111
4	Medical Version (M5)	2-pole		-	DC22.4221.111
6	Medical Version (M5)	2-pole		-	DC22.6221.111
10	Medical Version (M5)	2-pole		-	DC22.9221.111
1	Medical Version (M5)	2-pole	●	red	DC22.1223.111
2	Medical Version (M5)	2-pole	●	red	DC22.2223.111
4	Medical Version (M5)	2-pole	●	red	DC22.4223.111
6	Medical Version (M5)	2-pole	●	red	DC22.6223.111
10	Medical Version (M5)	2-pole	●	red	DC22.9223.111

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

Packaging unit 10 Pcs

Accessories

Description



[Cord retaining kits](#)
Cord retaining strain relief

Flat head, H	4700.0008
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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 DC22](#)



[Connector Overview complete](#)

4782 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13	4782
4022 Mounting: Power Supply Cord, 3 x 1.5 mm², Screw clamps, Connector: IEC C13	4022
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
4012 Mounting: Power Supply Cord, 3 x 1.5 mm², Screw clamps, Connector: IEC C13	4012

[Connector further types to DC22](#)

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Mating Outlets/Connectors shuttered



Power Cord Overview complete

VAC17KS, North America, 2.0 m, Connector C17, cord end:	6051.2801
VAC17KS, Europlug, 2.0 m, Connector IEC C17, cord end:	6051.2803
VAC17KS, Europlug, 2.0 m, Connector IEC C17, cord end:	6051.2813
VAC13KS, Overview, diverse Connector IEC C13, cord end:	VAC13KS

[Power Cord further types to DC22](#)