

IEC Appliance Inlet C14 with Filter, Fuseholder 1- or 2-pole, for PCB Mounting

Standard- or Medical-Filter and
-Fuse drawer



V-Lock



C14

70° C



Description

- Panel Mount:
Screw-on mounting on PCB, from rear-side
- 3 Functions:
Appliance Inlet, Fuseholder for fuse-links 5 x 20 mm, Line filter in standard and medical version
- V-Lock notch standard
- PCB terminals

Approvals

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

Characteristics

- Ultra-compact design
- All single elements are already wired
- For added safety "Extra-Safe" fuse drawers are available
- 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
- Fuse drawer 1-pole, plus spare fuse case
- Fuse drawer 2-pole, with shorting bar
- Medical version M80, 220 nF X capacitors
- Class X1- and Y1-capacitors for enhanced withstand voltage
- Protection class II, 70°C

References

Alternative: version for panel mounting [KFA](#)

Weblinks

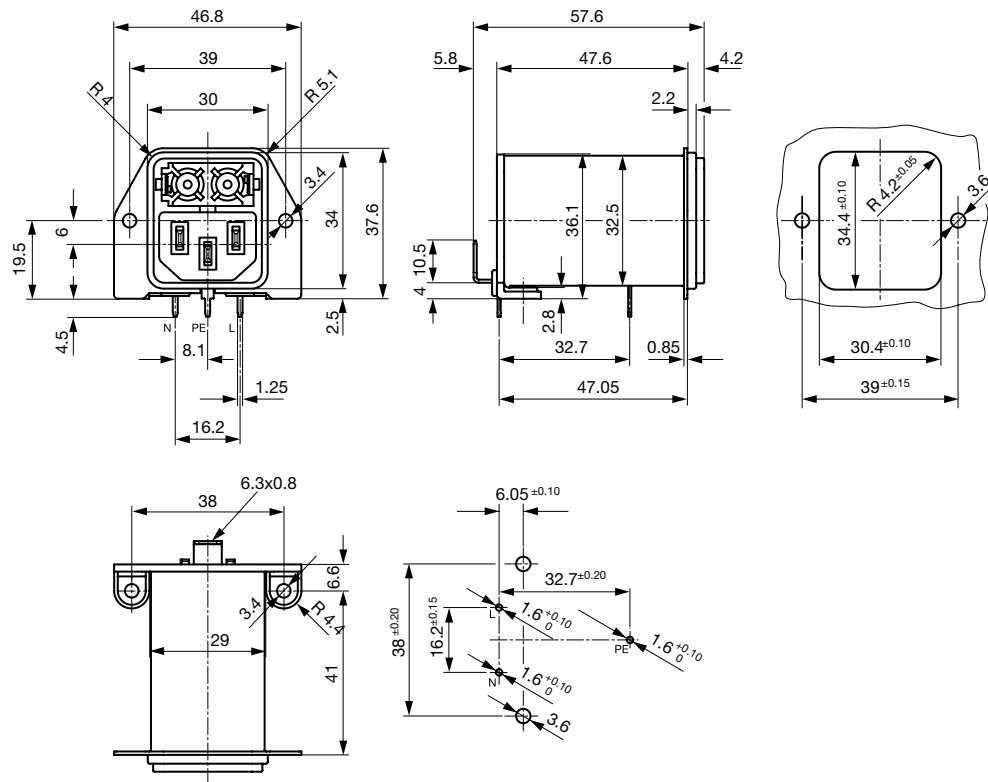
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Detailed request for product](#)

Technical Data

Ratings IEC	1 - 10 A @ Ta 40 °C / 250 VAC; 50 Hz	Appliance-Inlet/-Outlet	C14 acc. to IEC 60320
Ratings UL/CSA	1 - 10 A @ Ta 40 °C / 250 VAC; 50/60 Hz ¹⁾		UL 498 CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class I
Leakage Current	standard < 0.5 mA (250 V / 60 Hz) medical < 5 µA (250 V / 60 Hz)	Fuseholder	1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20 mm
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (1 min/50 Hz)	Rated Power Acceptance @ Ta 23 °C	5 x 20: 2 W (1 pole)/ 1.4 W (2-pole) per pole
Allowable Operation Temp.	-25 °C to 85 °C	Power Acceptance @ Ta > 23 °C	Admissible power acceptance at higher ambient temperature see derating curves
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
Degree of Protection	from front side IP 40 acc. to IEC 60529	MTBF	> 2'000'000 h acc. to MIL-HB-217 F
Protection Class	Suitable for appliances with protection class I acc. to IEC 61140		
Terminal	For PCB mounting ; Additional for ground terminal: Quick connect terminals 6.3 x 0.8 mm angled to pin axis		
Panel Thickness s	Screw-on mounting: max 3 mm Mounting screw torque max 0.5 Nm		
Material: Housing	Thermoplastic, black, UL 94V-0		

¹⁾ UL approvals: 1-pole versions up to 10 A, 2-pole versions up to 8 A

Dimension

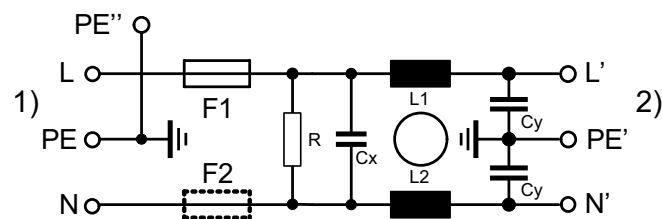


Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [MΩ]
1	Standard Version with Bleed Resistor	2 x 10	100	2.2	1
2	Standard Version with Bleed Resistor	2 x 4	100	2.2	1
4	Standard Version with Bleed Resistor	2 x 1.5	100	2.2	1
6	Standard Version with Bleed Resistor	2 x 0.8	100	2.2	1
8	Standard Version with Bleed Resistor	2 x 0.6	100	2.2	1
10	Standard Version with Bleed Resistor	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
8	Medical Version (M5)	2 x 0.6	100	-	1
10	Medical Version (M5)	2 x 0.3	100	-	1

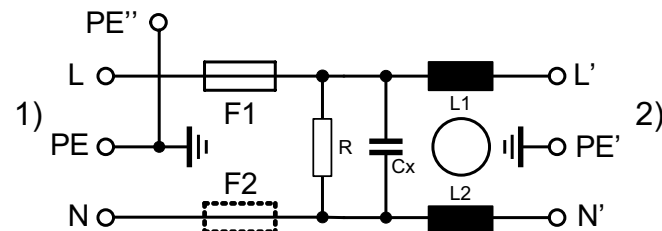
Diagrams

Standard version with bleed resistor and Medical version M80
1-/2-pole



1) Line
2) Load

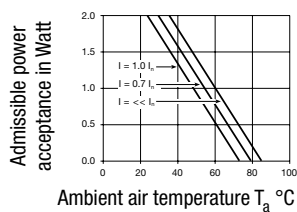
Medical version M5
1-/2-pole



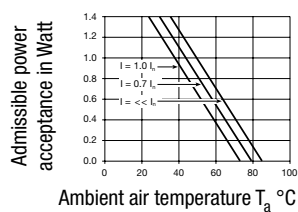
1) Line
2) Load

Derating Curves

1-pole



2-pole

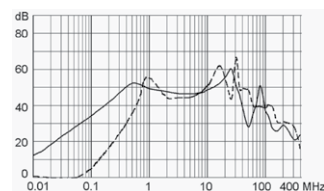


Attenuation Loss

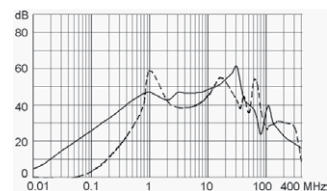
Standard version

--- differential mode ____ common mode

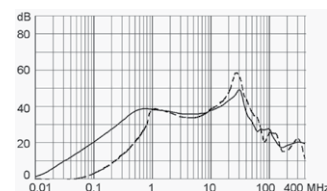
1 A



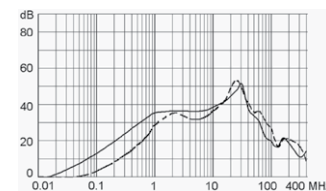
2 A



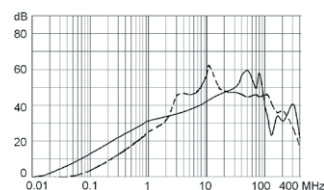
4 A



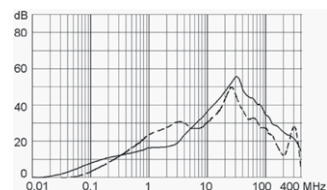
6 A



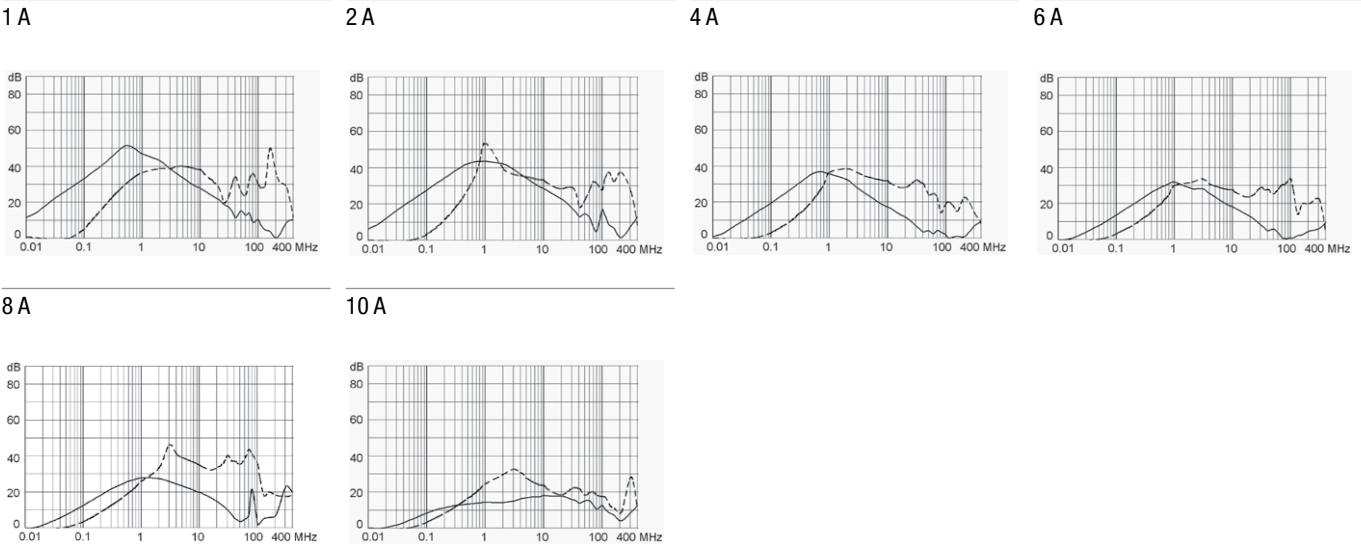
8 A



10 A



Medical version (M5)



All Variants

Rated current	Filter-Type	Fuseholder	Comment	Order Number
1	Standard Version with Bleed Resistor	1-pole	-	DA22.1111.11
2	Standard Version with Bleed Resistor	1-pole	-	DA22.2111.11
4	Standard Version with Bleed Resistor	1-pole	-	DA22.4111.11
6	Standard Version with Bleed Resistor	1-pole	-	DA22.6111.11
8	Standard Version with Bleed Resistor	1-pole	-	DA22.8111.11
10	Standard Version with Bleed Resistor	1-pole	1)	DA22.9111.11
1	Standard Version with Bleed Resistor	2-pole	-	DA22.1121.11
2	Standard Version with Bleed Resistor	2-pole	-	DA22.2121.11
4	Standard Version with Bleed Resistor	2-pole	-	DA22.4121.11
6	Standard Version with Bleed Resistor	2-pole	-	DA22.6121.11
8	Standard Version with Bleed Resistor	2-pole	-	DA22.8121.11
10	Standard Version with Bleed Resistor	2-pole	1)	DA22.9121.11
1	Medical Version (M5)	2-pole	-	DA22.1321.11
2	Medical Version (M5)	2-pole	-	DA22.2321.11
4	Medical Version (M5)	2-pole	-	DA22.4321.11
6	Medical Version (M5)	2-pole	-	DA22.6321.11
8	Medical Version (M5)	2-pole	-	DA22.8321.11
10	Medical Version (M5)	2-pole	1)	DA22.9321.11

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

1) UL approvals: versions with 1-pole fuseholder are approved up to 10 A, 2-pole versions up to 8 A.

Packaging unit 20 Pcs

Required Accessory

Description

Fusedrawer 2
Fusedrawer für Fuse Links 5x20 mm, with or without Voltage Selector Insert



Fingergrip, 2-pole	4301.1401
Extra-Safe, 2-pole	4301.1403
Fingergrip, 1-pole	4301.1405
Extra-Safe, 1-pole	4301.1407

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Accessories



Cord retaining kits
Cord retaining strain relief

Flat head, H

4700.0008

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 DA22](#)

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 DA22](#)

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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 DA22](#)