

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

Standard- or Medical-Filter and
-Fuse drawer

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
- PCB solder 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
Fuse drawer meets requirements of medical standard IEC/EN 60601-1
The fuseholder is accessible from the equipment front
- Qualified for use in equipment according IEC/EN 60950

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

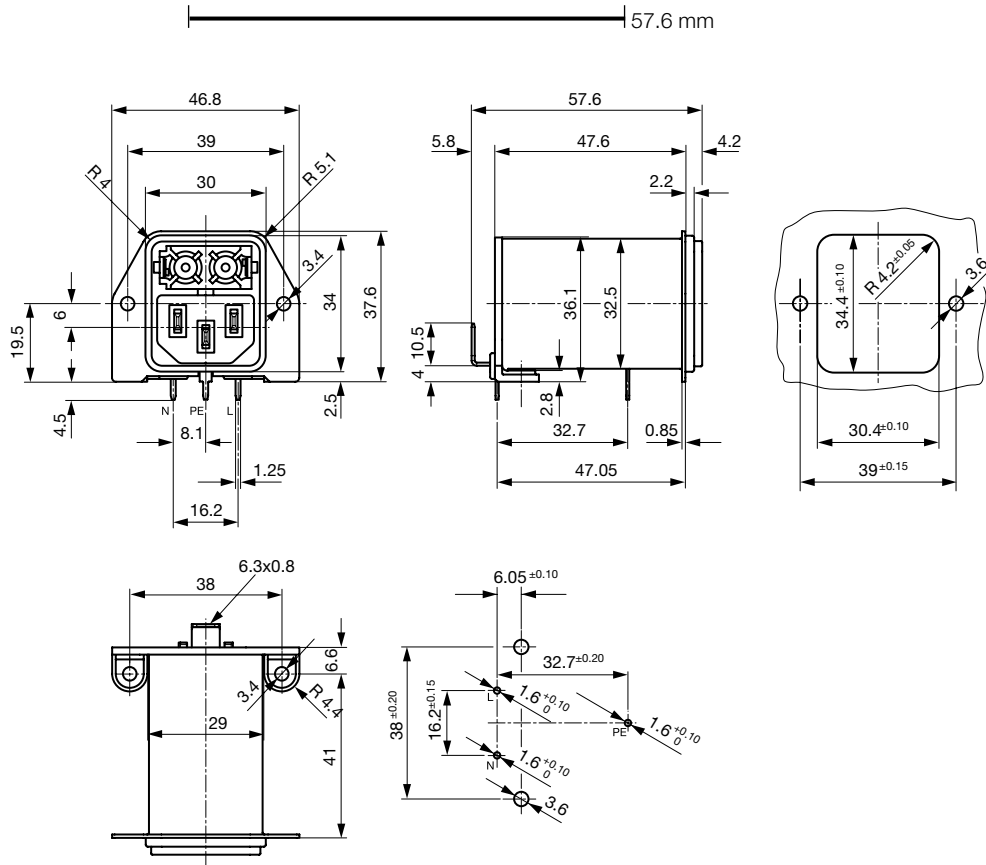
[pdf](#), [html](#), [General Product Information](#), [Approvals](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Accessories](#)

Technical Data

Ratings IEC	1 - 10A @ Ta 40 °C / 250 VAC; 50Hz	Appliance-Inlet/-Outlet	C14 acc. to IEC/EN 60320-1 UL 498 CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class 1
Ratings UL/CSA	1 - 10A @ Ta 40 °C / 250 VAC; 50/60Hz ¹⁾	Fuseholder	1 or 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: 2W (1 pole)/ 1.4W (2-pole) per pole
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (1 min/50Hz)	Power Acceptance @ Ta > 23°C	Admissible power acceptance at higher ambient temperature see derating curves
Allowable Operation Temp.	-25 °C to 85 °C	Line Filter	Standard and Medical Version, IEC 60939, IEC 60601-1, UL 1283, UL 544, EN 133 200, CSA C22.2 no. 8 Technical details
Climatic Category	25/085/21 acc. to IEC 60068-1	MTBF	> 2'000'000h acc. to MIL-HB-217 F
Degree of Protection	from front side IP 40 acc. to IEC 60529		
Protection Class	Suitable for appliances with protection class 1 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 0.5Nm		
Material: Housing	Thermoplastic, black, UL 94V-0		

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

Dimensions



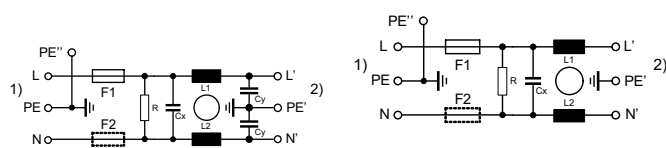
Technical Data of Filter-Components

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

Medical version M5
1-/2-pole

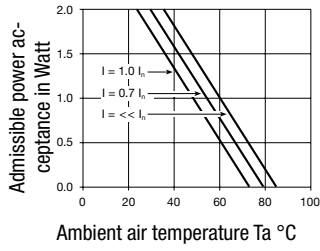


1) Line
2) Load

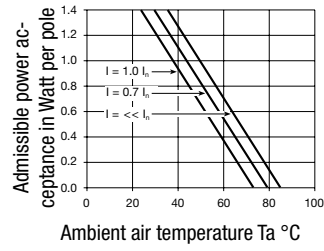
1) Line
2) Load

Derating Curves

1-pole



2-pole

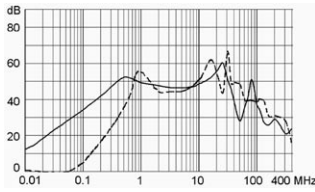


Attenuation Loss

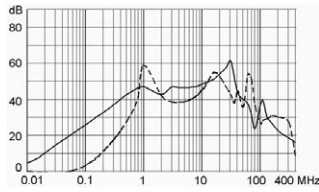
Standard version

--- differential mode ____ common mode

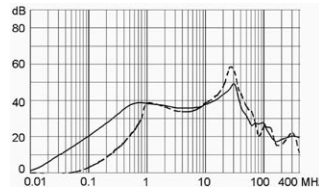
1 A



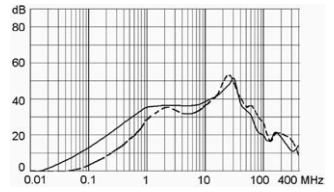
2 A



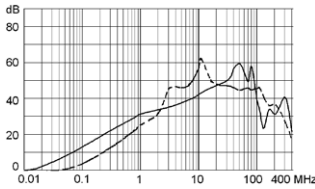
4 A



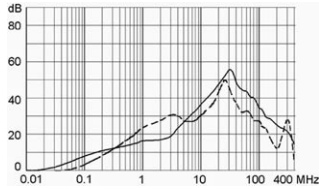
6 A



8 A

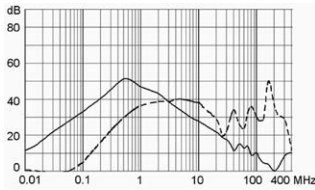


10 A

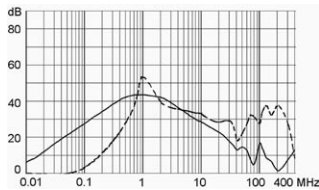


Medical version (M5)

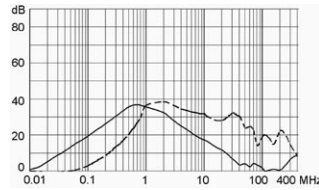
1 A



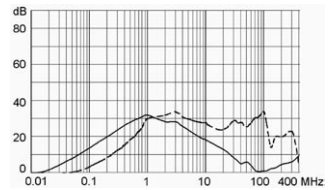
2 A



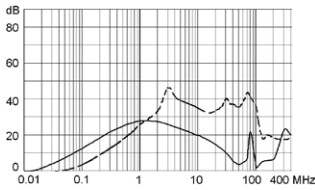
4 A



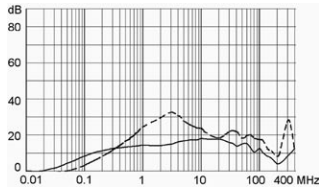
6 A



8 A



10 A



Variants

Rated Current [A]	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

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 with and without Voltage Selector Insert

Accessories



Cord retaining kits
Cord retaining strain relief

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
IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder or Quick-connect Terminal	5092

[Appliance Outlet further types to DA22](#)



[Connector Overview complete](#)

IEC Connector C15, Rewireable, Straight	0101
IEC Connector C15A, Rewireable, Straight	0102
IEC Connector C15A, Rewireable, Straight	0102-G
IEC Connector C15A, Rewireable, Angled	0112
IEC Connector C13, Rewireable, Angled	4012
Connector further types to DA22	...



[Power Cord Overview complete](#)

Power Cord with IEC Connector C13, Angled	0311
Power Cord with IEC Connector C13, Angled	3011
Power Cord with IEC Connector C13, Angled	3012
Power Cord with IEC Connector C13, Angled	3013
Power Cord with IEC Connector C13	3020
Power Cord further types to DA22	...