

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

Plug removal necessary for fuse replacement



Typ 5220, Fuseholder 2-pole
Screw-On Version



Typ 5220, Fuseholder 2-pole
Snap-In Version



Description

- Panel Mount :
Snap-in or screw-on mounting from front side
- 3 Functions :
Appliance Inlet Protection class I , Fuseholder for fuse-links 5 x 20 mm
2-pole , Line filter in standard and medical version
- Quick connect terminals 6.3 x 0.8 mm

Unique Selling Proposition

- Ultra-compact design
- Recessed faston connectors
- High quality filter case made of stainless steel
- Highly resistant since potted filter

Approvals

- VDE Certificate Number: 101307
- UL File Number: E72928

Characteristics

- All single elements are already wired
- Plug removal necessary for fuse-link replacement
- Suitable for use in equipment according to IEC/UL 60950
- Suitable for use in medical equipment according to IEC/UL 60601-1

References

Alternative: version without line filter [6220](#)
Alternative: Standard version

Weblinks

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

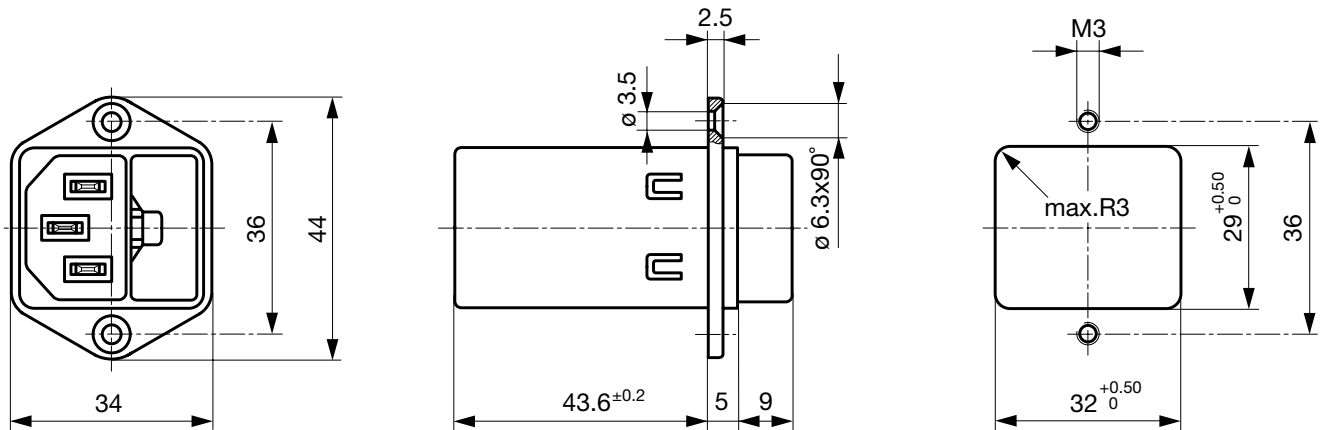
Technical Data

Ratings IEC	1 - 10A @ Ta 40 °C / 250 VAC; 50Hz
Ratings UL/CSA	1 - 10A @ Ta 40 °C / 125 VAC; 60Hz
Leakage Current	standard < 0.5 mA (250 V / 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
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 Snap-in: 0.8 mm to 3 mm
Material: Housing	Thermoplastic, black, UL 94V-0

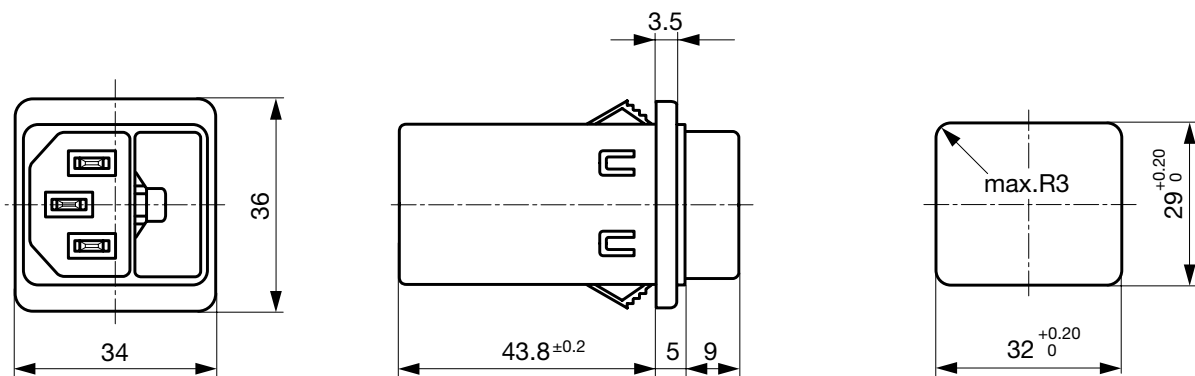
appliance inlet/-outlet	C14 acc. to IEC 60320-1, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class I
Fuseholder	2-pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20mm
Rated Power Acceptance @ Ta 23 °C	5 x 20: 1.6W (2-pole)
Power Acceptance @ Ta > 23°C	Admissible power acceptance at higher ambient temperature see derating curves
Line Filter	Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
MTBF	> 2'300'000 h acc. to MIL-HB-217 F

Dimension

Screw-on mounting type 5220



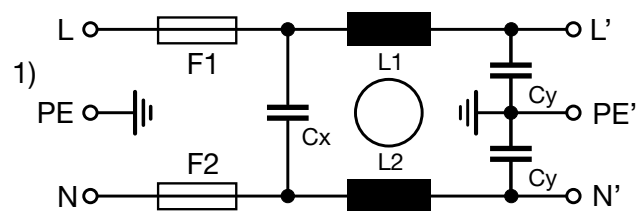
Snap-in mounting type 5220

**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 11	47	2.2	-
2	Standard Version	2 x 4	47	2.2	-
4	Standard Version	2 x 1.6	47	2.2	-
6	Standard Version	2 x 0.7	47	2.2	-
8	Standard Version	2 x 0.6	47	2.2	-
10	Standard Version	2 x 0.4	47	2.2	-
1	Medical Version (M5)	2 x 11	47	-	1
2	Medical Version (M5)	2 x 4	47	-	1
4	Medical Version (M5)	2 x 1.6	47	-	1
6	Medical Version (M5)	2 x 0.7	47	-	1
8	Medical Version (M5)	2 x 0.6	47	-	1
10	Medical Version (M5)	2 x 0.4	47	-	1
10	Standard and Medical Version	2 x 11	47	2.2	1

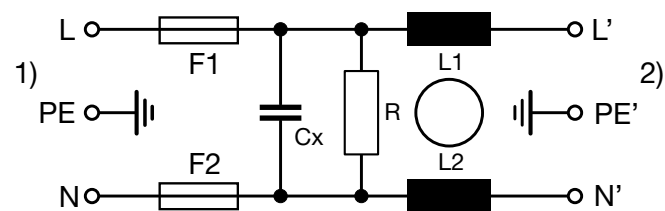
Diagrams

5220 Standard version



1) Line
2) Load

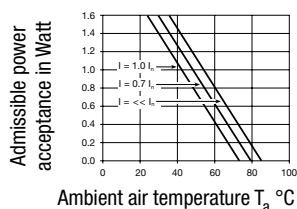
5220 Medical version



1) Line
2) Load

Derating Curves

2-pole

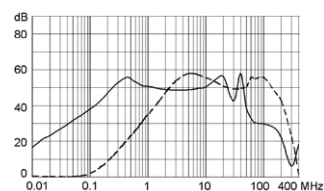


Attenuation Loss

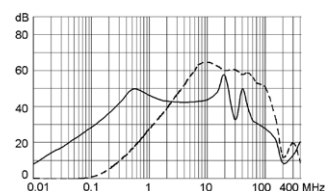
Standard version

--- 50Ω differential mode 50Ω common mode

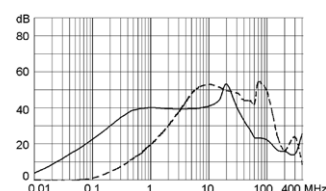
1 A



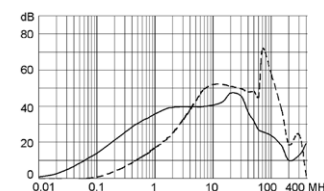
2 A



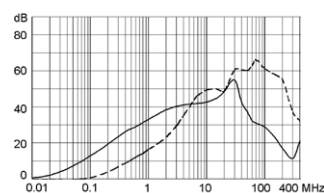
4 A



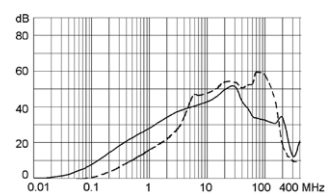
6 A



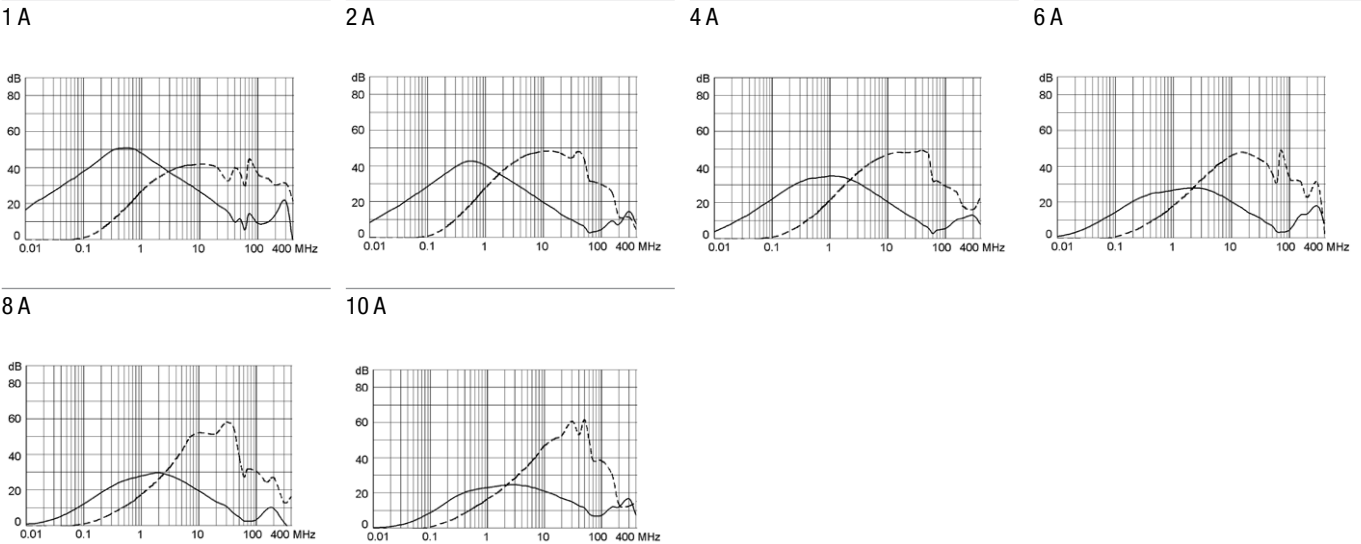
8 A



10 A



Medical version (M5)



All Variants

Rated Current [A]	Filter-Type	Panel mounting	Fuseholder	Order Number	
1	Standard Version	Snap-in	2-pole	5220.0143.1	■
2	Standard Version	Snap-in	2-pole	5220.0243.1	■
4	Standard Version	Snap-in	2-pole	5220.0443.1	■
6	Standard Version	Snap-in	2-pole	5220.0643.1	■
8	Standard Version	Snap-in	2-pole	5220.0843.1	■
10	Standard Version	Snap-in	2-pole	5220.1043.1	■
1	Standard Version	Screw	2-pole	5220.0123.1	■
2	Standard Version	Screw	2-pole	5220.0223.1	■
4	Standard Version	Screw	2-pole	5220.0423.1	■
6	Standard Version	Screw	2-pole	5220.0623.1	■
8	Standard Version	Screw	2-pole	5220.0823.1	■
10	Standard Version	Screw	2-pole	5220.1023.1	■
1	Medical Version (M5)	Snap-in	2-pole	5220.0143.3	■
2	Medical Version (M5)	Snap-in	2-pole	5220.0243.3	■
4	Medical Version (M5)	Snap-in	2-pole	5220.0443.3	■
6	Medical Version (M5)	Snap-in	2-pole	5220.0643.3	■
8	Medical Version (M5)	Snap-in	2-pole	5220.0843.3	■
10	Medical Version (M5)	Snap-in	2-pole	5220.1043.3	■
1	Medical Version (M5)	Screw	2-pole	5220.0123.3	■
2	Medical Version (M5)	Screw	2-pole	5220.0223.3	■
4	Medical Version (M5)	Screw	2-pole	5220.0423.3	■
6	Medical Version (M5)	Screw	2-pole	5220.0623.3	■
8	Medical Version (M5)	Screw	2-pole	5220.0823.3	■
10	Medical Version (M5)	Screw	2-pole	5220.1023.3	■

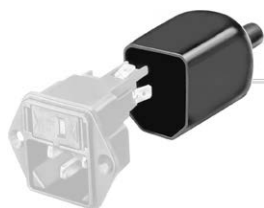
■ Most Popular.

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

0859.0047



Cord retaining kits
Cord retaining strain relief

Countersunk, B

4700.0002

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 5220](#)

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 5220](#)

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