IEC Appliance Inlet C14 with Filter, Fuseholder 1-pole

Plug removal necessary for fuse replacement



Type 5200, Fuseholder 1-pole with spare compartment
Screw-On Version



Type 5200, Fuseholder 1-pole with spare compartment
Snap-In Version

C14
70° C

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
  1-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
- CCC File Number: CQC16001161219

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

Other versions on request
- Variants with V-Lock cord retaining

References
Alternative: version without line filter 6200
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

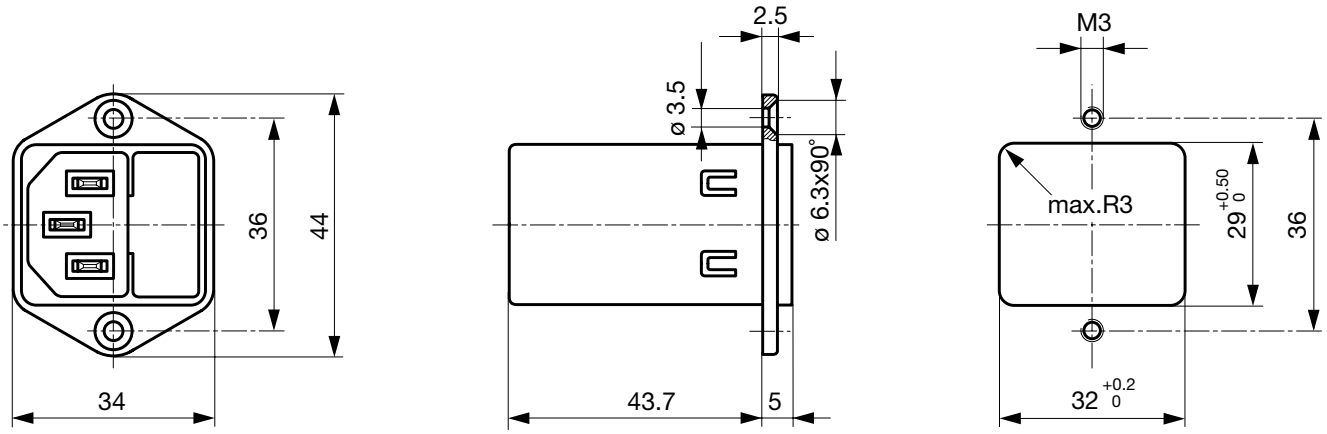
Ratings IEC	1 - 10 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	1 - 10 A @ Ta 40 °C / 125 VAC; 60 Hz
Leakage Current	standard < 0.5 mA (250 V / 60 Hz) medical < 5 µA (250 V / 60 Hz)
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec)
Allowable Operation Temp.	-25 °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, 10 A, 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: 2 W (1 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

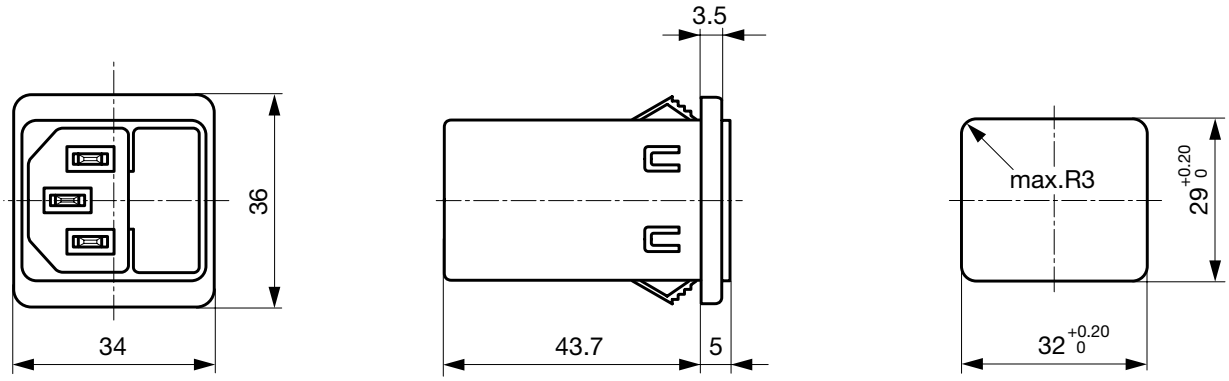
Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in General Product Information

Dimension

Screw-on mounting type 5200



Snap-in mounting type 5200

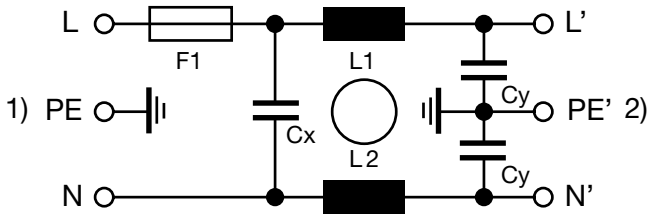


Technical Data of Filter-Components

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

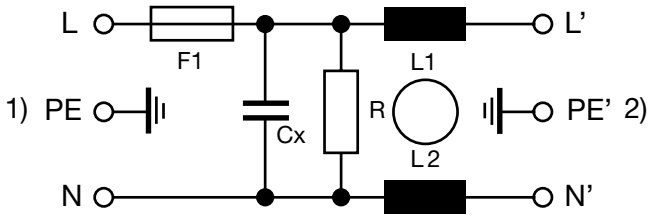
Diagrams

5200 Standard version



1) Line
2) Load

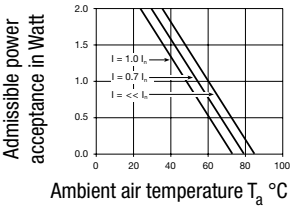
5200 Medical version



1) Line
2) Load

Derating Curves

1-pole

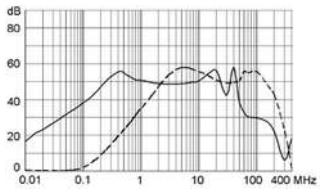


Attenuation Loss

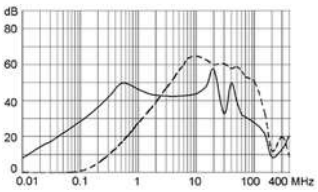
- - - - 50Ω differential mode _____ 50Ω common mode

Standard version

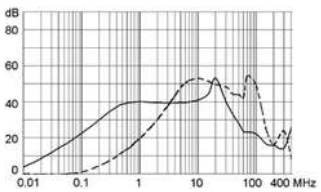
1 A



2 A



4 A



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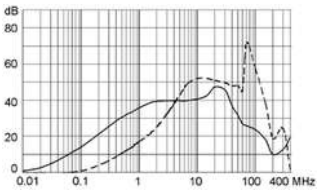
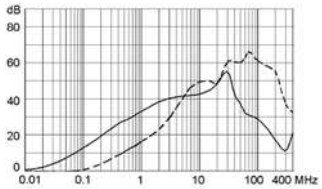


8 A



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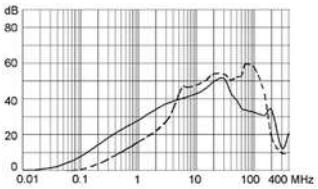
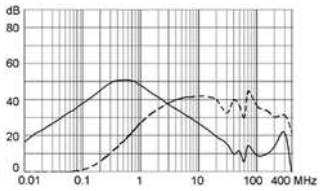


Medical version (M5)

1 A



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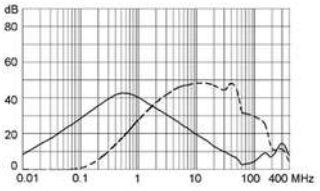

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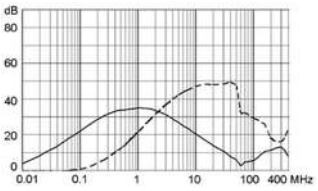
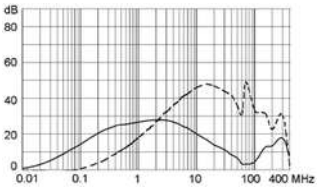


6 A



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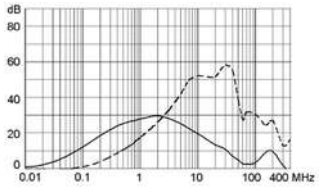

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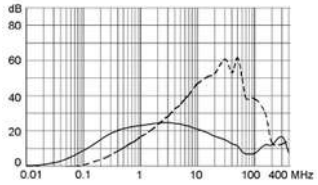

All Variants

Rated Current [A]	Filter-Type	Panel mounting	Fuseholder	Order Number	
1	Standard Version	Snap-in	1-pole	5200.0143.1	▮
2	Standard Version	Snap-in	1-pole	5200.0243.1	▮
4	Standard Version	Snap-in	1-pole	5200.0443.1	▮
6	Standard Version	Snap-in	1-pole	5200.0643.1	▮
8	Standard Version	Snap-in	1-pole	5200.0843.1	
10	Standard Version	Snap-in	1-pole	5200.1043.1	▮
1	Standard Version	Screw	1-pole	5200.0123.1	▮
2	Standard Version	Screw	1-pole	5200.0223.1	▮
4	Standard Version	Screw	1-pole	5200.0423.1	▮
6	Standard Version	Screw	1-pole	5200.0623.1	▮
8	Standard Version	Screw	1-pole	5200.0823.1	
10	Standard Version	Screw	1-pole	5200.1023.1	▮
1	Medical Version (M5)	Snap-in	1-pole	5200.0143.3	
2	Medical Version (M5)	Snap-in	1-pole	5200.0243.3	
4	Medical Version (M5)	Snap-in	1-pole	5200.0443.3	
6	Medical Version (M5)	Snap-in	1-pole	5200.0643.3	
8	Medical Version (M5)	Snap-in	1-pole	5200.0843.3	
10	Medical Version (M5)	Snap-in	1-pole	5200.1043.3	
1	Medical Version (M5)	Screw	1-pole	5200.0123.3	
2	Medical Version (M5)	Screw	1-pole	5200.0223.3	
4	Medical Version (M5)	Screw	1-pole	5200.0423.3	
6	Medical Version (M5)	Screw	1-pole	5200.0623.3	
8	Medical Version (M5)	Screw	1-pole	5200.0823.3	
10	Medical Version (M5)	Screw	1-pole	5200.1023.3	

▮ 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 5200	
	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 5200	...

15.02.2017

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.