

IEC Appliance Inlet C8 with Filter, Front Side Mounting

Standard- or Medical-Filter



Snap-in mounting from front side

Screw-on mounting from front side

C8

70° C



Description

- Panel Mount:
Screw-on or snap-in mounting from front side
- 2 Functions:
Appliance Inlet Protection class II, Line filter in standard and medical version
- Solder terminals or quick connect terminals

Approvals

- VDE Certificate Number: 40029278
- UL File Number: E72928

Characteristics

- Compact high performance filter
- Designed for standard and medical applications
- 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

- Standard version without X-capacitor

References

Alternative: version without line filter [0721-PS](#); [2578](#)

Weblinks

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

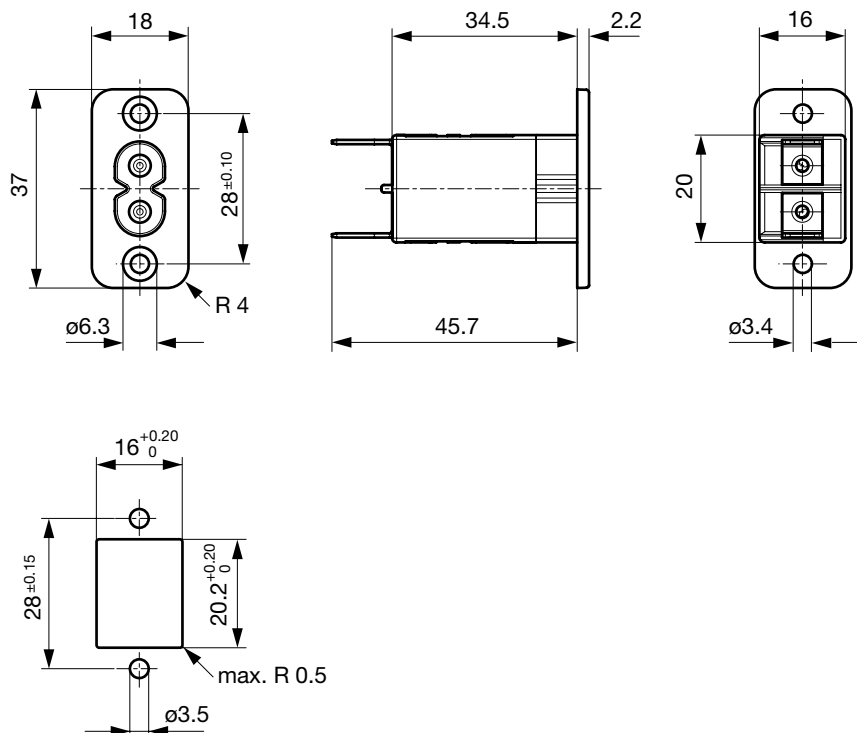
Technical Data

Ratings IEC	0.5 - 2.5A @ Ta 40 °C / 250VAC; 50Hz
Ratings UL/CSA	0.5 - 6A @ Ta 40 °C / 250VAC; 60Hz
Dielectric Strength	> 1.7 kVDC between L-N > 4 kVDC between L/N-PE Test voltage (2 sec)
Impulse Withstand Voltage	> 2.5 kV between L-N
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 II acc. to IEC 61140
Terminal	solder pin or quick connect terminals 6.3 x 0.8 or 4.8 x 0.8 mm
Panel Thickness s	Screw Mounting screw torque max 0.5Nm Snap-in 1 mm to 3 mm
Material: Housing	Thermoplastic, black, UL 94V-0

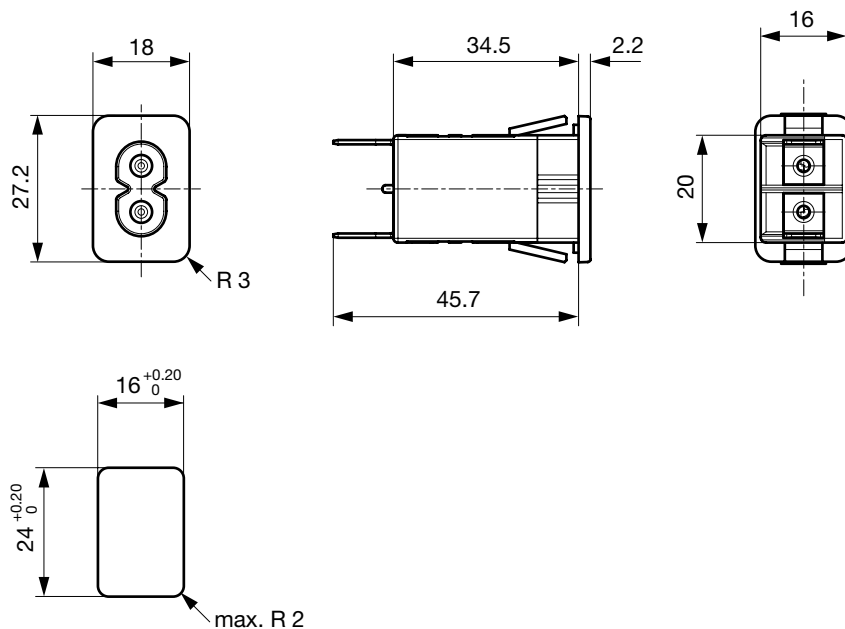
Appliance-Inlet/-Outlet	C8 acc. to IEC 60320 UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 2.5A, Protection Class II
Line Filter	Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
MTBF	> 6'700'000h acc. to MIL-HB-217 F

Dimension

Screw-on mounting from front side



Snap-in mounting from front side

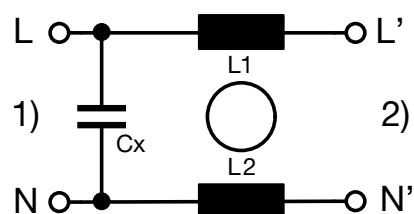


Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [MΩ]
1	Standard Version without Cx	2 x 8	-	-	-
0.5	Standard Version	2 x 18	100	-	-
1	Standard Version	2 x 8	100	-	-
2.5	Standard Version	2 x 1.2	100	-	-
4	Standard Version	2 x 0.8	100	-	-
6	Standard Version	2 x 0.3	100	-	-
0.5	Medical Version (M5)	2 x 18	100	-	1
1	Medical Version (M5)	2 x 8	100	-	1
2.5	Medical Version (M5)	2 x 1.2	100	-	1
4	Medical Version (M5)	2 x 0.8	100	-	1
6	Medical Version (M5)	2 x 0.3	100	-	1

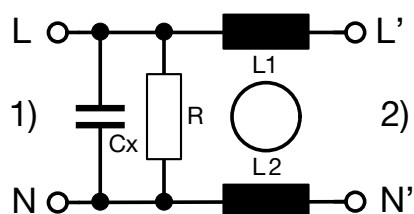
Diagrams

Standard version



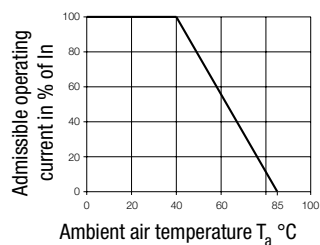
1) Line
2) Load

Medical version M5



1) Line
2) Load

Derating Curves

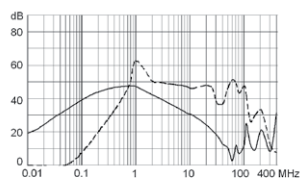


Attenuation Loss

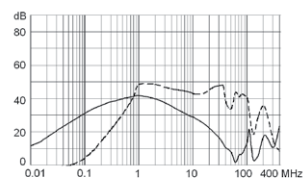
Standard version

- - - differential mode ____ common mode

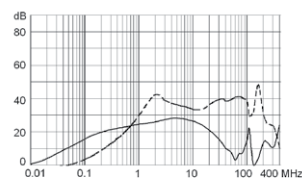
0.5 A



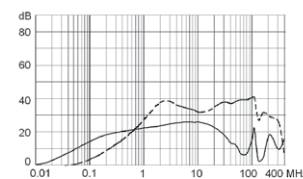
1 A



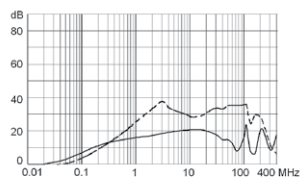
2.5 A



4 A

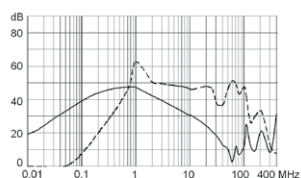


6 A

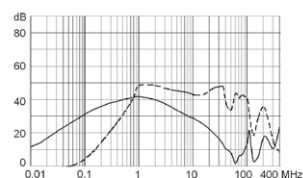


Medical version (M5)

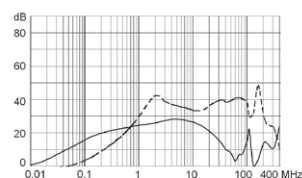
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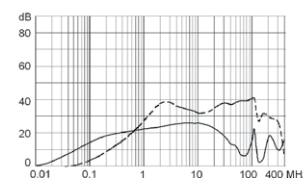
1 A



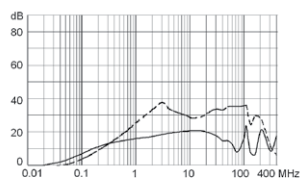
2.5 A



4 A



6 A

**All Variants**

Rated Current [A]	Filter-Type	Mounting	Terminal	Order Number
1	Standard Version without Cx	Snap-in 1.5	Quick connect terminal 4.8 x 0.8 mm	5008.2211
0.5	Standard Version	Snap-in 1.0	Quick connect terminal 4.8 x 0.8 mm	5008.1010
0.5	Standard Version	Snap-in 1.5	Quick connect terminal 4.8 x 0.8 mm	5008.2010
1	Standard Version	Snap-in 1.5	Solder terminal	5008.2021
1	Standard Version	Snap-in 1.5	Quick connect terminal 6.3 x 0.8 mm	5008.2001
1	Standard Version	Snap-in 2.0	Quick connect terminal 4.8 x 0.8 mm	5008.3011
2.5	Standard Version	Screw	Solder terminal	5008.0022
2.5	Standard Version	Screw	Quick connect terminal 6.3 x 0.8 mm	5008.0002
2.5	Standard Version	Screw	Quick connect terminal 4.8 x 0.8 mm	5008.0012
2.5	Standard Version	Snap-in 1.0	Quick connect terminal 4.8 x 0.8 mm	5008.1012
2.5	Standard Version	Snap-in 1.5	Solder terminal	5008.2022
2.5	Standard Version	Snap-in 1.5	Quick connect terminal 4.8 x 0.8 mm	5008.2012
2.5	Standard Version	Snap-in 2.0	Solder terminal	5008.3022
2.5	Standard Version	Snap-in 2.0	Quick connect terminal 6.3 x 0.8 mm	5008.3002
4	Standard Version	Snap-in 1.5	Quick connect terminal 4.8 x 0.8 mm	5008.2014
6	Standard Version	Screw	Quick connect terminal 6.3 x 0.8 mm	5008.0006

Rated Current [A]	Filter-Type	Mounting	Terminal	Order Number
6	Standard Version	Snap-in 1.0	Quick connect terminal 4.8 x 0.8 mm	5008.1016
6	Standard Version	Snap-in 1.5	Quick connect terminal 4.8 x 0.8 mm	5008.2016
0.5	Medical Version (M5)	Snap-in 1.0	Quick connect terminal 4.8 x 0.8 mm	5008.1110
1	Medical Version (M5)	Screw	Quick connect terminal 4.8 x 0.8 mm	5008.0111
1	Medical Version (M5)	Snap-in 1.0	Quick connect terminal 4.8 x 0.8 mm	5008.1111
1	Medical Version (M5)	Snap-in 2.0	Quick connect terminal 4.8 x 0.8 mm	5008.3111
2.5	Medical Version (M5)	Snap-in 1.0	Quick connect terminal 4.8 x 0.8 mm	5008.1112
2.5	Medical Version (M5)	Snap-in 2.0	Quick connect terminal 6.3 x 0.8 mm	5008.3102
4	Medical Version (M5)	Snap-in 1.0	Quick connect terminal 4.8 x 0.8 mm	5008.1114
4	Medical Version (M5)	Snap-in 1.5	Quick connect terminal 4.8 x 0.8 mm	5008.2114
6	Medical Version (M5)	Snap-in 1.0	Quick connect terminal 4.8 x 0.8 mm	5008.1116
6	Medical Version (M5)	Snap-in 1.5	Quick connect terminal 4.8 x 0.8 mm	5008.2116

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

Packaging unit 20 Pcs

Mating Outlets/Connectors

Category / Description



[Appliance Outlet Overview complete](#)

IEC Appliance Outlet D, Screw-on Mounting, Front Side, Solder Terminal

5082

[Appliance Outlet further types to 5008](#)



[Connector Overview complete](#)

IEC Appliance Outlet D, Screw-on Mounting, Front Side, Solder Terminal

5084

IEC Appliance Outlet D, insert Mounting, Solder Terminal

5086

[Connector further types to 5008](#)