

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Schurter](#)
[5008.0002](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

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
- Polarized C8 connector

References

Alternative: version without line filter [0721-PS](#); [2576](#); [2578](#)

Weblinks

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

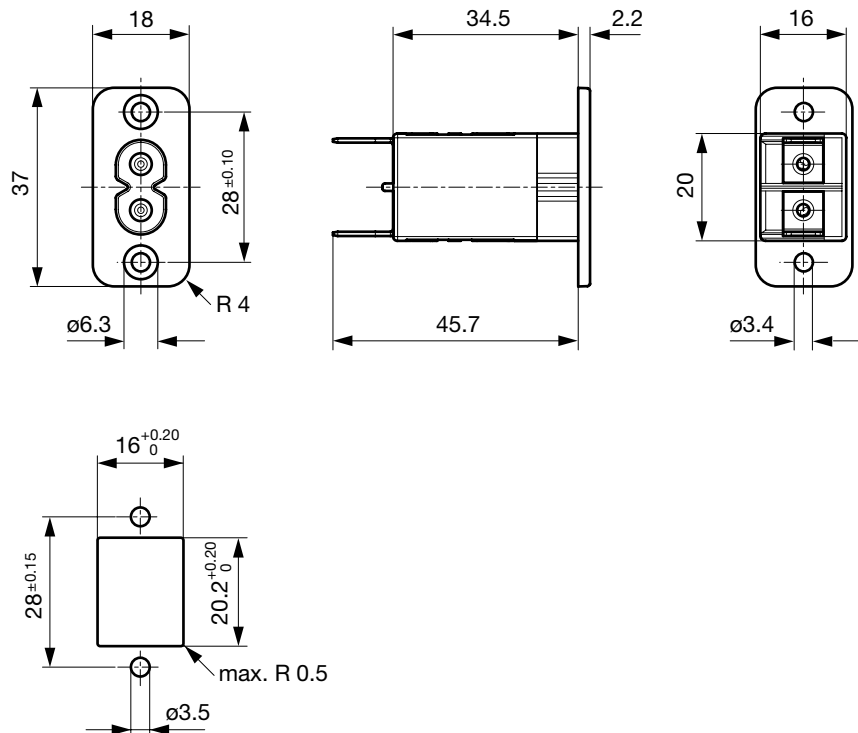
Technical Data

Ratings IEC	0.5 - 2.5 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	0.5 - 6 A @ Ta 40 °C / 250 VAC; 60 Hz
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 0.5 Nm Snap-in 1 mm to 3 mm
Material: Housing	Thermoplastic, black, UL 94V-0

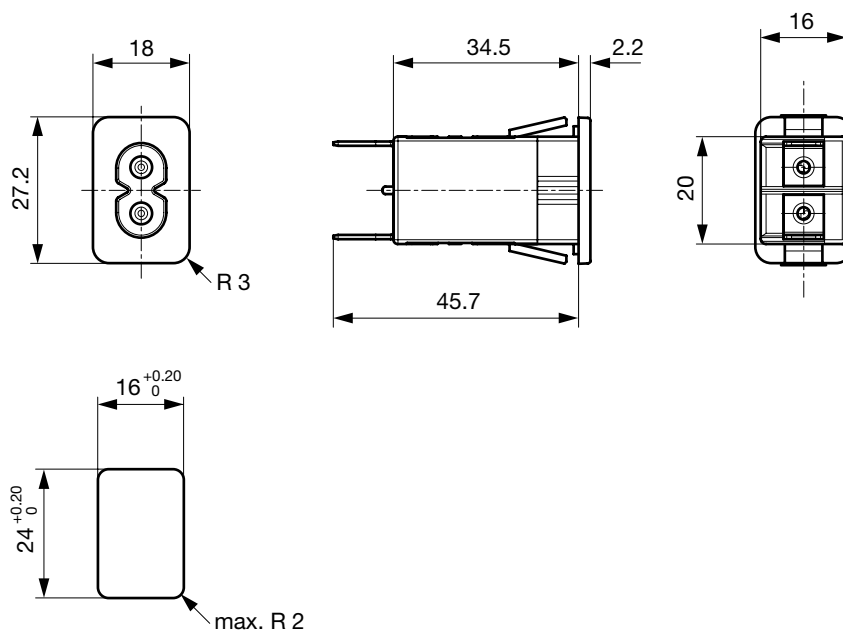
Appliance-Inlet/-Outlet	C8 acc. to IEC 60320-1 UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 2.5 A, Protection Class II
Line Filter	Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
MTBF	> 6'700'000 h acc. to MIL-HB-217 F

Dimensions

Screw-on mounting from front side



Snap-in mounting from front side

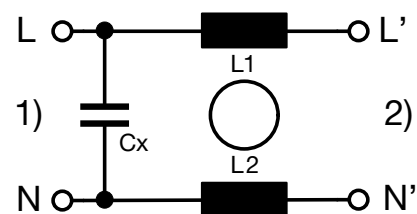


Technical Data of Filter-Components

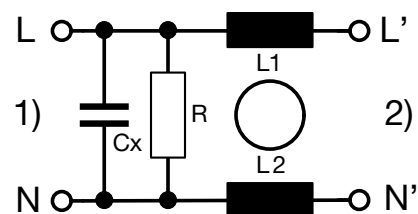
Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [MΩ]
1	Standard Version without Cx	2 x 8	-	-	-
0.5	Standard Version	2 x 18	100	-	-
1	Standard Version	2 x 8	100	-	-
2.5	Standard Version	2 x 1.2	100	-	-
4	Standard Version	2 x 0.8	100	-	-
6	Standard Version	2 x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

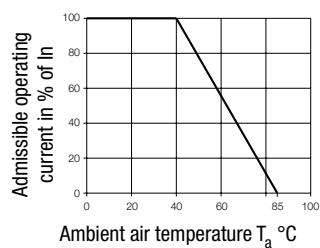
Standard version



Medical version M5



Derating Curves



5008

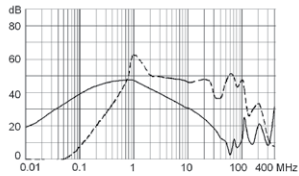
Power Entry Modules with Line Filter
www.schurter.com/PG06

Attenuation Loss

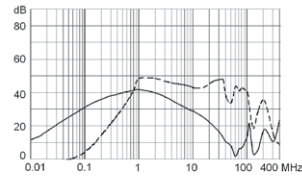
Standard version

- - - 50Ω differential mode 50Ω common mode

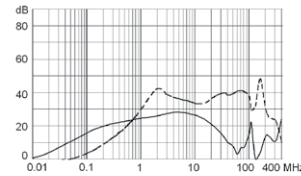
0.5 A



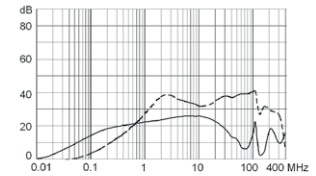
1 A



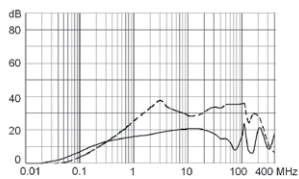
2.5 A



4 A

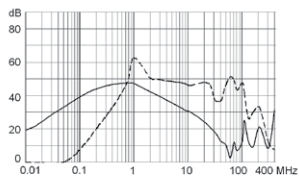


6 A

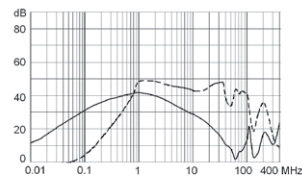


Medical version (M5)

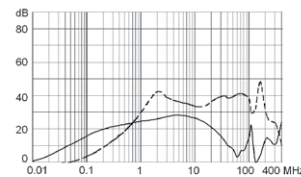
0.5 A



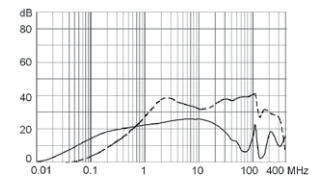
1 A



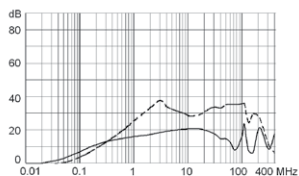
2.5 A



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

Rated Current [A]	Filter-Type	Mounting	Terminal	Order Number
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
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/Stock-Check/Stock-Check-SCHURTER>

Packaging unit 20 Pcs

Mating Outlets/Connectors

Category / Description



[Appliance Outlet Overview complete](#)

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

5082

[Appliance Outlet further types to 5008](#)



[Power Cord Overview complete](#)

Cord Sets 2.5 A, IEC Connector, Black, 2.0 m, H03VVH2-F 2x0,75mm2, Connector IEC C7, 001500 mm, cord end:

6013.0474

Cord Sets 2.5 A, IEC Connector, Black, 4.0 m, H03VVH2-F 2x0,75mm2, Connector IEC C7, 001500 mm, cord end:

6013.0478

[Power Cord further types to 5008](#)



[Power Supply Cord Overview complete](#)

Cord Sets 2.5 A, North America, Black, 2.0 m, SVT 2x18AWG, Connector IEC C7, 002500 mm, cord end:

6010.5274

Cord Sets 2.5 A, North America, Black, 4.0 m, SVT 2x18AWG, Connector IEC C7, 002500 mm, cord end:

6010.5278

[Power Supply Cord further types to 5008](#)