

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



**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**

- Approval Reference Type: 5008
- 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**

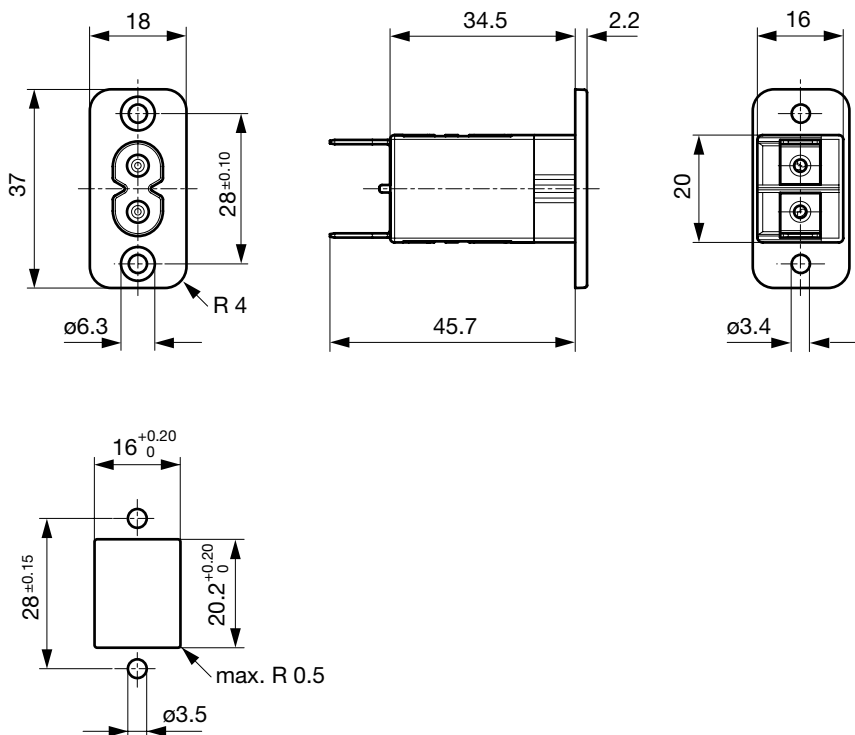
Ratings IEC	0.5 - 2.5A @ Ta 40 °C / 250VAC; 50Hz
Ratings UL/CSA	0.5 - 6A @ Ta 40 °C / 250VAC; 60Hz
Dielectric Strength	> 1.7 kVDC between L-N > 4 kVDC between L/N-PE Test voltage (2 sec)
Impulse Withstand Voltage	> 2.5 kV between L-N
Allowable Operation Temperature	-25 °C to 85 °C
Climatic Category	25/085/21 acc. to IEC 60068-1
IP-Protection	from front side IP 40 acc. to IEC 60529
Protection Class	Suitable for appliances with protection class 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 3mm
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, 2.5A, Protection Class II
Line Filter	Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8 <a href="#">Technical Details</a>
MTBF	> 6'700'000h acc. to MIL-HB-217 F

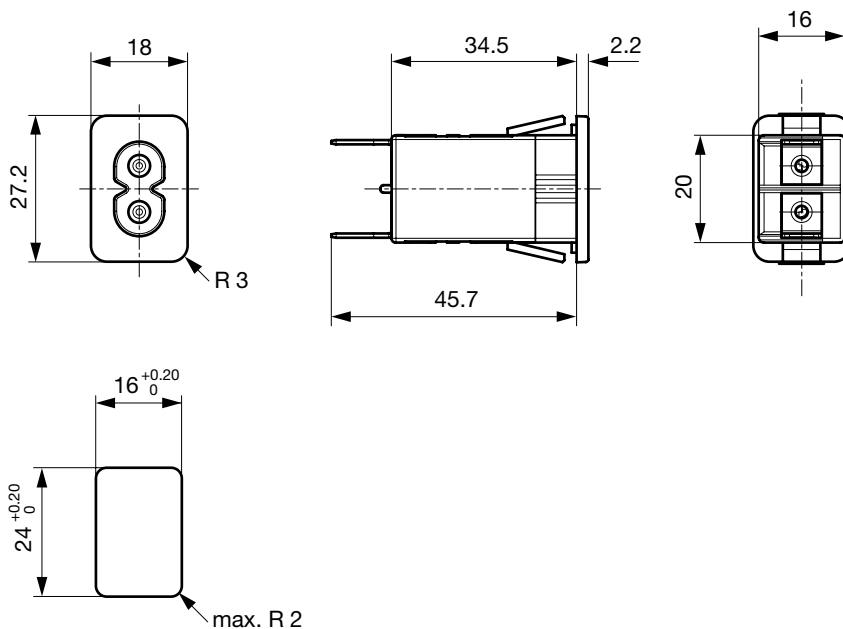
Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [General Product Information](#)

**Dimension**

Screw-on mounting from front side



Snap-in mounting from front side



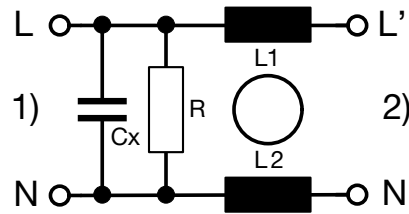
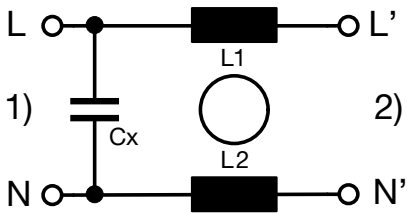
**Technical Data of Filter-Components**

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

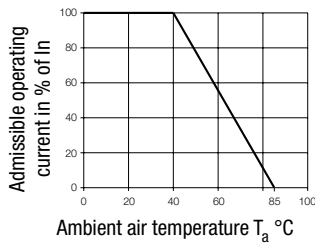
Medical version M5



1) Line  
2) Load

1) Line  
2) Load

**Derating Curves**

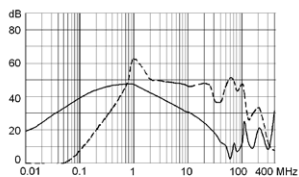


**Attenuation Loss**

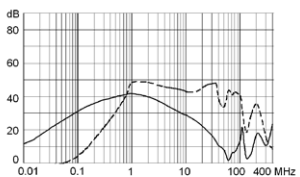
Standard version

--- 50Ω differential mode    \_\_\_ 50Ω common mode

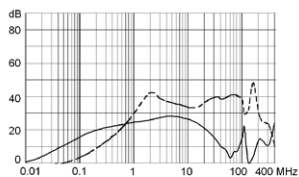
0.5 A



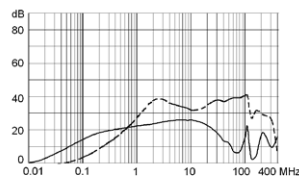
1 A



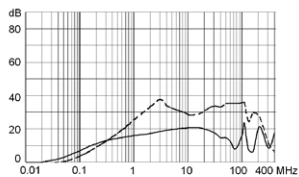
2.5 A



4 A

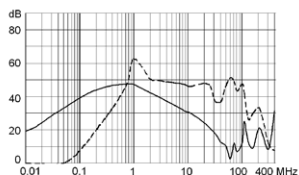


6 A

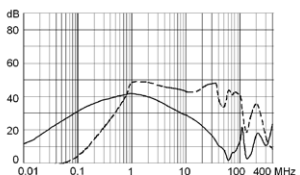


Medical version (M5)

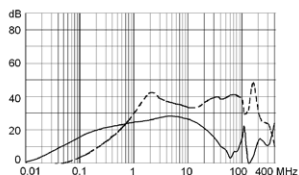
0.5 A



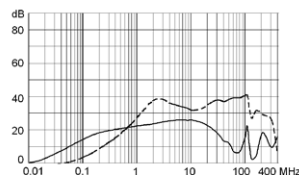
1 A



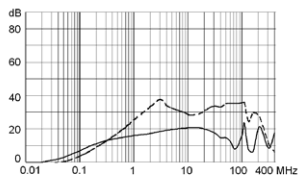
2.5 A



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/en/Stock-Check/Stock-Check-SCHURTER>

**Packaging unit** 20 Pcs

### Mating Outlets/Connectors

#### Category / Description

#### Power Cord Overview complete



Cord Sets 2.5 A, IEC Connector, Black, 2.0 m, H03VVH2-F 2x0,75mm<sup>2</sup>, Connector IEC C7, 001500 mm, H03VVH2-F2G0.75, black 6013.0474

Cord Sets 2.5 A, IEC Connector, Black, 4.0 m, H03VVH2-F 2x0,75mm<sup>2</sup>, Connector IEC C7, 001500 mm, H05VVH2-F2G0.75, black 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, NISPT-2, black 6010.5274

Cord Sets 2.5 A, North America, Black, 4.0 m, SVT 2x18AWG, Connector IEC C7, 002500 mm, NISPT-2, black 6010.5278

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