

Inlet filter, front side mounting, line switch 2-pole

Standard- or Medical-Filter



C20



70° C



Description

- Panel Mount:
Screw-on from front side
- 3 Functions:
Appliance Inlet Protection class I, Line switch 2-pole, Line filter in standard and medical version
- Quick connect terminals 6.3 x 0.8 mm
- Alternative: version without line filter [EC11](#)

Approvals

- VDE License Number: 40001522
- UL License Number: E72928

Characteristics

- All single elements are already wired
- Line switch non-illuminated
Illuminated version on request
- With EMC-shield
- Ideal for application with high transient loads
- Qualified for use in equipment according IEC/EN 60950

Other versions on request

- Line switch, illuminated
- Line switch with other rocker marking

References

[General Product Information](#)

Weblinks

[Approvals](#), [RoHS](#), [CHINA-RoHS](#), [e-Store](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#)

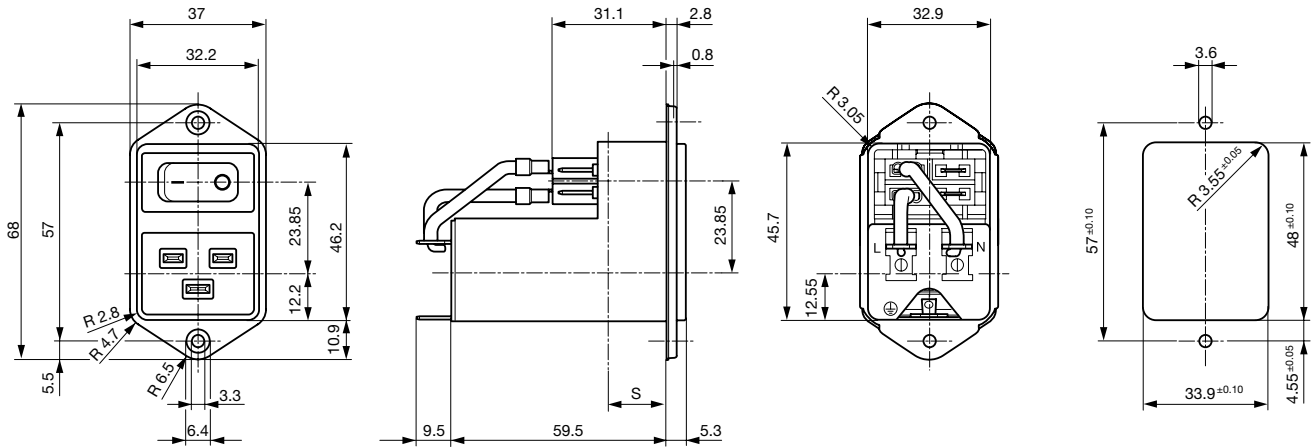
Technical Data

Ratings IEC	12 - 16 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	12 - 20 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
Degree of 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-on: max 8 mm Mounting screw torque max 0.5 Nm
Material: Housing	Thermoplastic, black, UL 94V-0

Appliance-Inlet/-Outlet	C20 acc. to IEC/EN 60320-1, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 16 A, Protection class I
Line Switch	Rocker switch 2-pole, non-illuminated, acc. to IEC 61058-1 Technical details
Line Filter	Standard and Medical Version, IEC 60939, IEC 60601-1, UL 1283, UL 544, EN 133 200, CSA C22.2 no. 8 Technical details
MTBF	> 1'700'000 h acc. to MIL-HB-217 F

Dimensions

Length | 59.5 mm



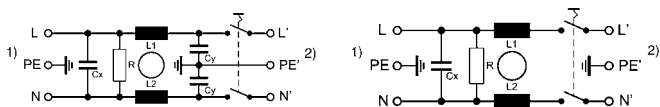
Technical Data of Filter-Components

Rated Current [A]	Filter-Type	internally wired	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [MΩ]
12	Standard Version	prewired	2 x 0.8	100	2.2	1
16	Standard Version	prewired	2 x 0.6	100	2.2	1
20	Standard Version	prewired	2 x 0.3	100	2.2	1
12	Medical Version (M5)	prewired	2 x 0.8	100	-	1
16	Medical Version (M5)	prewired	2 x 0.6	100	-	1
20	Medical Version (M5)	prewired	2 x 0.3	100	-	1

Diagrams

Standard version

Medical version (M5)



1) Line
2) Load

1) Line
2) Load

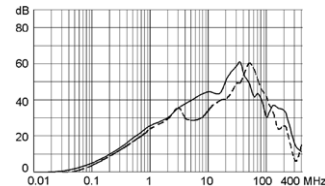
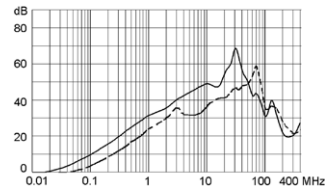
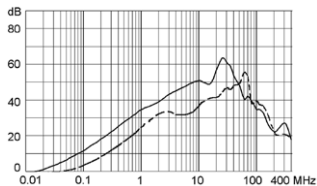
Attenuation Loss

Standard version

12 A

16 A

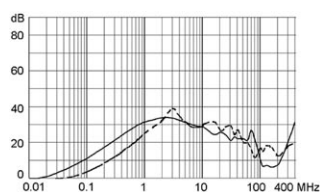
20 A



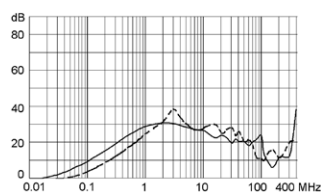
--- differential mode ____ common mode

Medical version (M5)

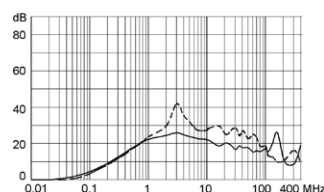
12 A



16 A



20 A



Variants

[Distributor-Stock-Check](#) | [SCHURTER-Stock-Check](#) | [e-Store](#)

Rated Current [A]	Filter-Type	internally wired	Line Switch	Order Number
12	Standard Version		2-pole	EC12.3101.001
16	Standard Version		2-pole	EC12.2101.001
20	Standard Version		2-pole	EC12.1101.001
12	Standard Version		2-pole	EC12.3101.002
16	Standard Version		2-pole	EC12.2101.002
20	Standard Version		2-pole	EC12.1101.002
12	Medical Version (M5)		2-pole	EC12.3201.001
16	Medical Version (M5)		2-pole	EC12.2201.001
20	Medical Version (M5)		2-pole	EC12.1201.001
12	Medical Version (M5)		2-pole	EC12.3201.002
16	Medical Version (M5)		2-pole	EC12.2201.002
20	Medical Version (M5)		2-pole	EC12.1201.002

Packaging unit

20 Pcs

Accessory

Description


[Assorted Covers](#)
Rear Cover

0859.0076

0859.0108


[Cord retaining kits](#)
Cord retaining strain relieve

Flat head, Z

0888.0021

Flat head, H

4700.0008

Passende Dose

Category / Description

Connector



IEC connector C19, rewirable, straight

0104

IEC connector C19, rewirable, angled

1651

IEC connector C19, rewirable, straight

1652

IEC connector C19, rewirable, angled

4790

IEC connector C19, rewirable, straight

4795



Power Supply or Interconnection Cord

Power Cord with IEC Appliance Connector C19, straight, 70°C

1654

Kabelverbindung/16 A