IEC Appliance Inlet C14 or C18 with Filter, Protection Degree IP65, Fuseholder 1- or 2-pole, Front or Rear Mounting

Medical fuse drawer

V-Lock

new



Mounting from front side



Mounting from rear side

C14 70° C

C18 70° C

Description

- Panel Mount:
  Screw-on version from front or rear side, Screws with sealing are included
- 4 Functions:
  Appliance Inlet protection class I or II, Line filter in standard and medical version, Fuseholder for fuse-links 5 x 20 mm, IP 65 protection
- Quick connect terminals 6.3 x 0.8 mm

Approvals

- VDE Certificate Number: 40016382
- UL File Number: E72928

Characteristics

- Extreme robust design
- All single elements are already wired
- Screw type fuse carrier, slotted
  Fuseholder meets requirements of medical standard IEC/EN 60601-1
  The fuseholder can only be opened with the aid of a tool
  The fuseholder is accessible from the equipment front
- With EMC-shield
- Especially for applications in rough environments
- Qualified for use in equipment according IEC/EN 60950

Other versions on request

- With solder terminals
- Class X1- and Y1-capacitors for enhanced withstand voltage
- Medical version M80
- Additional sealing (IP54) of power input
- Version with current rating 3 A

References

Weblinks

pdf, html, General Product Information, Approvals, RoHS, CHINA-RoHS, Mating Connectors, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check, Accessories

Newly available variants corresponding to V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

Technical Data

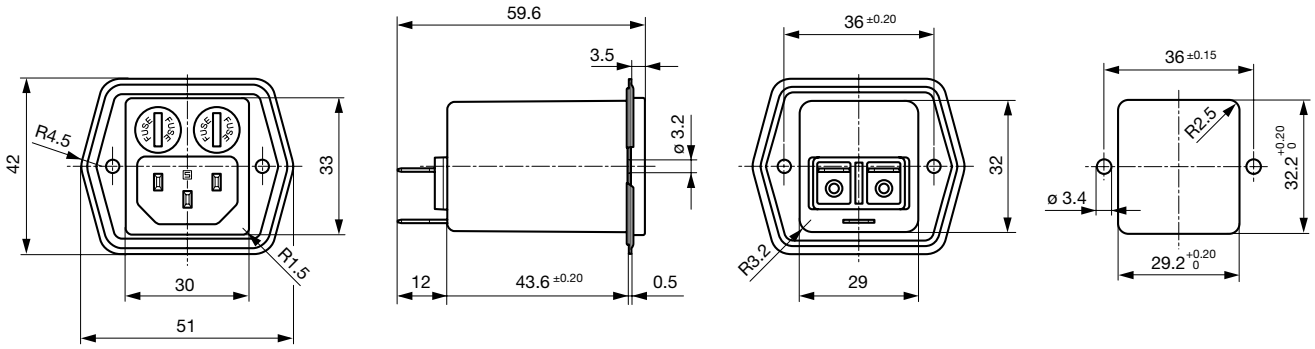
Ratings IEC	1 - 8 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	1 - 8 A @ Ta 40 °C / 125 VAC; 60 Hz
Leakage Current	standard < 0.5 mA (250 V / 60 Hz) medical < 5 µA (250 V / 60 Hz)
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec)
Allowable Operation Temp.	-25 °C to 85 °C
Climatic Category	25/085/21 acc. to IEC 60068-1
Degree of Protection	from front side IP 65 acc. to IEC 60529 from rear-side IP 65 acc. to IEC 60529
Protection Class	Suitable for appliances with protection class 1 or 2 acc. to IEC 61140
Terminal	Quick connect terminals 6.3 x 0.8 mm
Panel Thickness s	Screw, max 3 mm Mounting screw torque max 0.8 Nm 2 screws M3 with sealing are provided
Material: Housing	black / metallic, UL 94V-0

Appliance-Inlet/-Outlet	C14 acc. to IEC/EN 60320-1 UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 8 A, Protection Class 1 or 2
Fuseholder	1 or 2 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: 1.6 W 1-pole/ 1,2 W 2-pole per pole
Power Acceptance @ Ta > 23°C	Admissible power acceptance at higher ambient temperature see derating curves
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	> 2'800'000 h acc. to MIL-HB-217 F

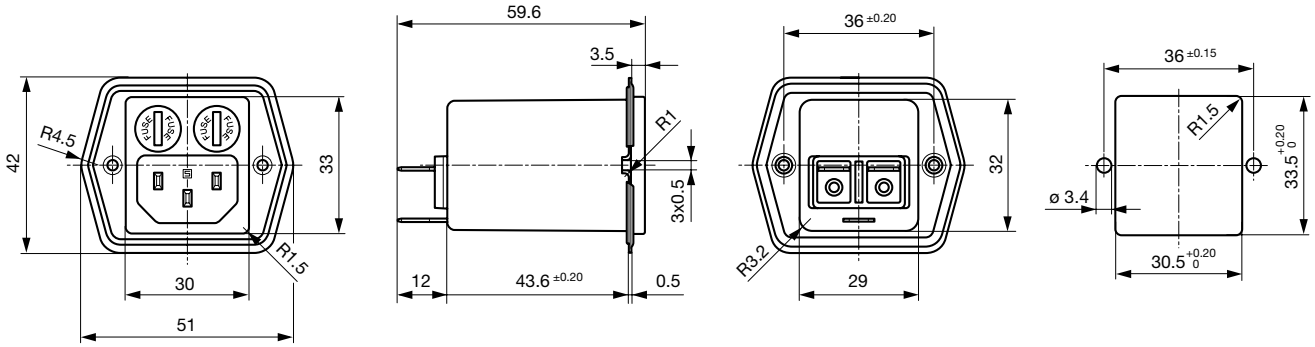
Dimensions

60 mm

Mounting from front side



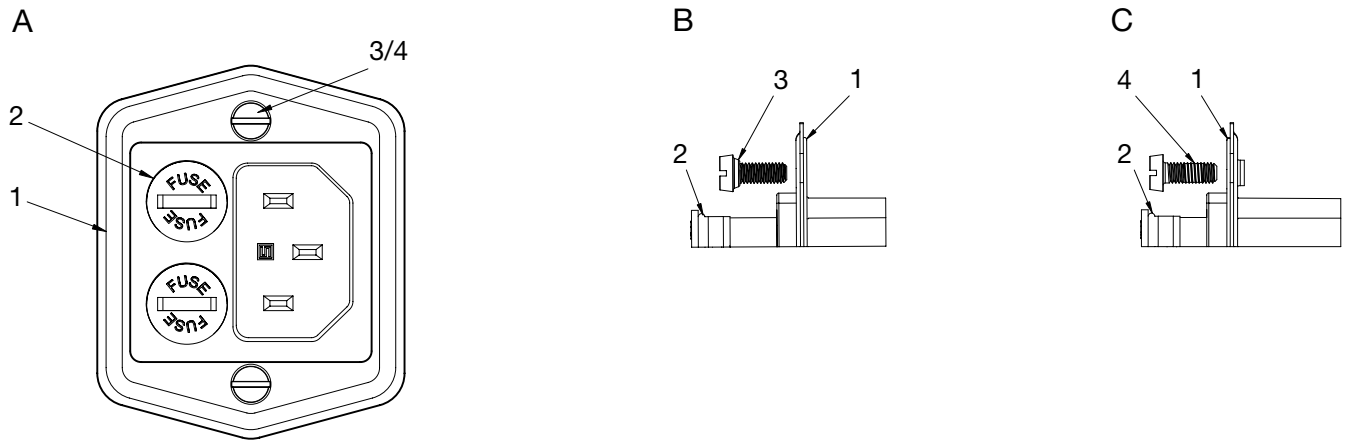
Mounting from rear side



Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [MΩ]
1	Standard Version	2 x 12	100	2.2	1
2	Standard Version	2 x 5.2	100	2.2	1
4	Standard Version	2 x 2	100	2.2	1
6	Standard Version	2 x 0.8	100	2.2	1
8	Standard Version	2 x 0.4	100	2.2	1
1	Medical Version (M5)	2 x 12	100	-	1
2	Medical Version (M5)	2 x 5.2	100	-	1
4	Medical Version (M5)	2 x 2	100	-	1
6	Medical Version (M5)	2 x 0.8	100	-	1
8	Medical Version (M5)	2 x 0.4	100	-	1

Dimensions



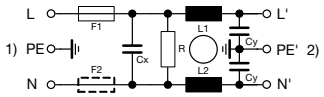
A) front view
B) detail front mounting type
C) detail rear mounting type

1) sealing of flange
2) sealing of fuseholder
3) sealing of screw hole (front mounting type: sealing ring on screw head)
4) sealing of screw hole (rear mounting type: sealing on screw thread)

Important:
- use supplied fuse caps (2) and mounting screws (3/4)
- optimal sealing requires even and solid panel opening
- recommended tightening torque for mounting screws (2/3/4): 0.5-0.8 Nm
- IP65 protection between the inlet and connector pins, but no IP rating between the connector pins and the plug of the power cord!

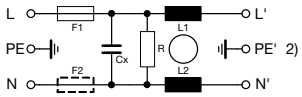
Diagrams

Standard version



1) Line
2) Load

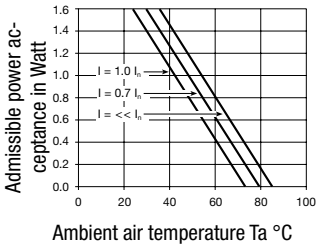
Medical version M5



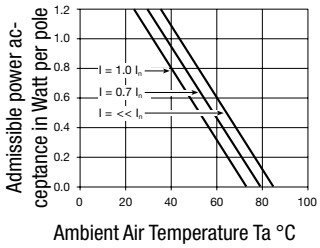
1) Line
2) Load

Derating Curves

1-pole



2-pole

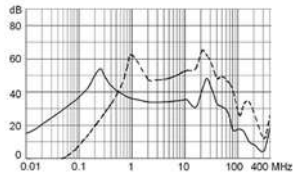


Attenuation Loss

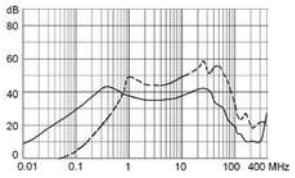
- - - - differential mode _____ common mode

Standard version

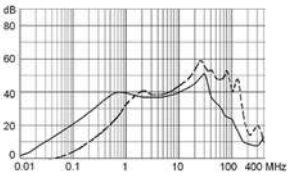
1 A



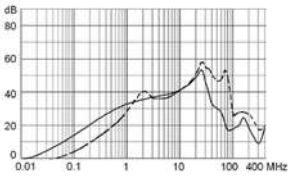
2 A



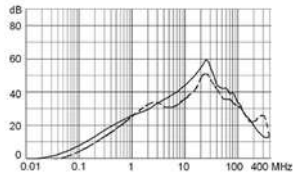
4 A



6 A

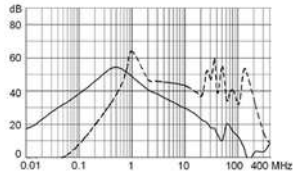


8 A

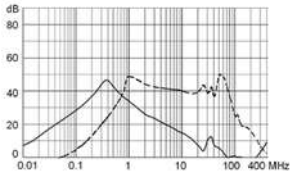


Medical version (M5)

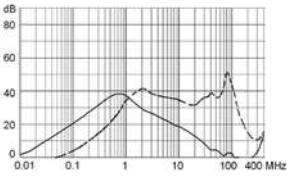
1 A



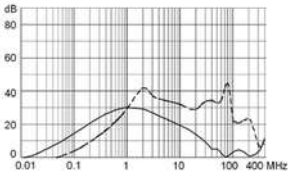
2 A



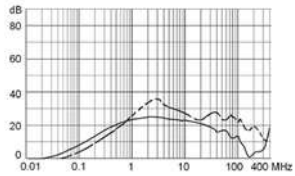
4 A



6 A



8 A



Variants

Rated Current [A]	Filter-Type	Screw-on or rivet mounting version from front side	Screw-on version from rear with pre-formed, threaded holes for M3 screws	Protection Class	Fuseholder	Order Number
1	Standard Version	●		1	1-pole	5707.0101.112
2	Standard Version	●		1	1-pole	5707.0201.112
4	Standard Version	●		1	1-pole	5707.0401.112
6	Standard Version	●		1	1-pole	5707.0601.112
8	Standard Version	●		1	1-pole	5707.0801.112
1	Standard Version		●	1	1-pole	5707.0101.113
2	Standard Version		●	1	1-pole	5707.0201.113
4	Standard Version		●	1	1-pole	5707.0401.113
6	Standard Version		●	1	1-pole	5707.0601.113
8	Standard Version		●	1	1-pole	5707.0801.113
1	Standard Version	●		1	2-pole	5707.0101.312
2	Standard Version	●		1	2-pole	5707.0201.312
4	Standard Version	●		1	2-pole	5707.0401.312
6	Standard Version	●		1	2-pole	5707.0601.312
8	Standard Version	●		1	2-pole	5707.0801.312
1	Standard Version		●	1	2-pole	5707.0101.313
2	Standard Version		●	1	2-pole	5707.0201.313

Rated Current [A]	Filter-Type	Screw-on or rivet mounting version from front side	Screw-on version from rear with pre-formed, threaded holes for M3 screws	Protection Class	Fuseholder	Order Number
4	Standard Version		●	1	2-pole	5707.0401.313
6	Standard Version		●	1	2-pole	5707.0601.313
8	Standard Version		●	1	2-pole	5707.0801.313
1	Medical Version (M5)	●		1	2-pole	5707.0103.312
2	Medical Version (M5)	●		1	2-pole	5707.0203.312
4	Medical Version (M5)	●		1	2-pole	5707.0403.312
6	Medical Version (M5)	●		1	2-pole	5707.0603.312
8	Medical Version (M5)	●		1	2-pole	5707.0803.312
1	Medical Version (M5)		●	1	2-pole	5707.0103.313
2	Medical Version (M5)		●	1	2-pole	5707.0203.313
4	Medical Version (M5)		●	1	2-pole	5707.0403.313
6	Medical Version (M5)		●	1	2-pole	5707.0603.313
8	Medical Version (M5)		●	1	2-pole	5707.0803.313
1	Medical Version (M5)	●		2	2-pole	5707.0103.412
2	Medical Version (M5)	●		2	2-pole	5707.0203.412
4	Medical Version (M5)	●		2	2-pole	5707.0403.412
6	Medical Version (M5)	●		2	2-pole	5707.0603.412
8	Medical Version (M5)	●		2	2-pole	5707.0803.412
1	Medical Version (M5)		●	2	2-pole	5707.0103.413
2	Medical Version (M5)		●	2	2-pole	5707.0203.413
4	Medical Version (M5)		●	2	2-pole	5707.0403.413
6	Medical Version (M5)		●	2	2-pole	5707.0603.413
8	Medical Version (M5)		●	2	2-pole	5707.0803.413

In addition to the IP65 sealing to the appliance (standard version), the power input can be protected from ingressing fluids and dust with IP54. This option can be ordered with ending ".01" (5707.xxxx.xxx.01).

".21" corresponds to the version with V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

Packaging unit 10 Pcs

Accessories

	Description	
	Assorted Covers Rear Cover	0859.0047
	Wire Harness Wire harness for SCHURTER products	

Mating Outlets/Connectors







Category / Description	
ConnectorOverview complete	
IEC Connector C15, Rewireable, Straight	0101
IEC Connector C15A, Rewireable, Straight	0102
IEC Connector C15A, Rewireable, Straight	0102-G
IEC Connector C15A, Rewireable, Angled	0112
IEC Connector C13, Rewireable, Angled	4012
Connectorfurther types to5707	...
Power CordOverview complete	
Power Cord with IEC Connector C13, Angled	0311
Power Cord with IEC Connector C13, Angled	3011
Power Cord with IEC Connector C13, Angled	3012
Power Cord with IEC Connector C13, Angled	3013
Power Cord with IEC Connector C13	3020
Power Cordfurther types to5707	...
Power Supply or Interconnection CordOverview complete	
Divers Power Supply and Interconnection Cords 10 A	6000.0214
Divers Power Supply and Interconnection Cords 10 A	6000.0224
Divers Power Supply and Interconnection Cords 10 A	6003.0204
Divers Power Supply and Interconnection Cords 10 A	6003.0205
Divers Power Supply and Interconnection Cords 10 A	6003.0215
Power Supply or Interconnection Cordfurther types to5707	...

SCHURTER ELECTRONIC COMPONENTS
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