

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

Medical fuse drawer



V-Lock

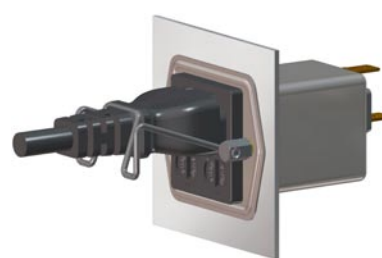
new



Mounting from front side



Mounting from rear side



5707 with sealing kit IP 54 for cord connection



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 into the appliance
- For front side mounting versions a sealing kit IP 54 for the power supply connection is available as an accessory: 4700.0021
- 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

Alternative: Standard version

Weblinks

[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Wire Harness](#), [Detailed request for product](#)

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.

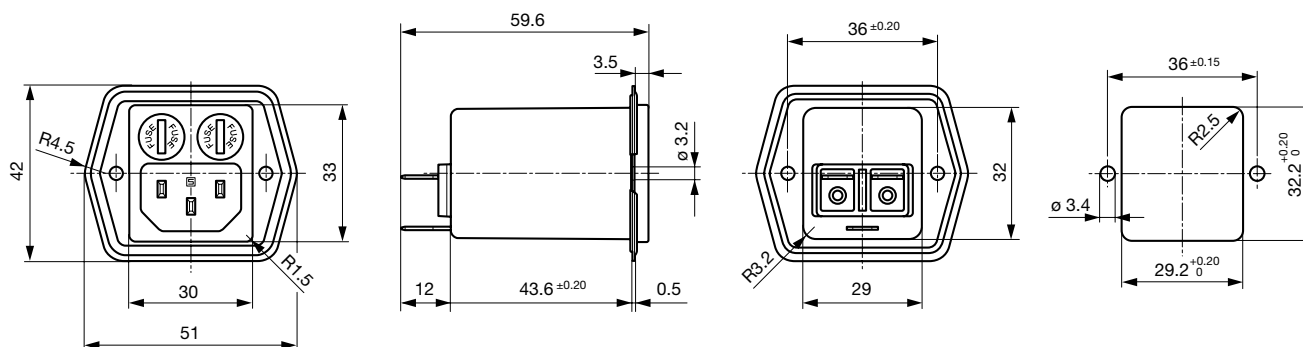
Technical Data

Ratings IEC	1 - 8 A @ Ta 40 °C / 250VAC; 50 Hz
Ratings UL/CSA	1 - 8 A @ Ta 40 °C / 125VAC; 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 I or II 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

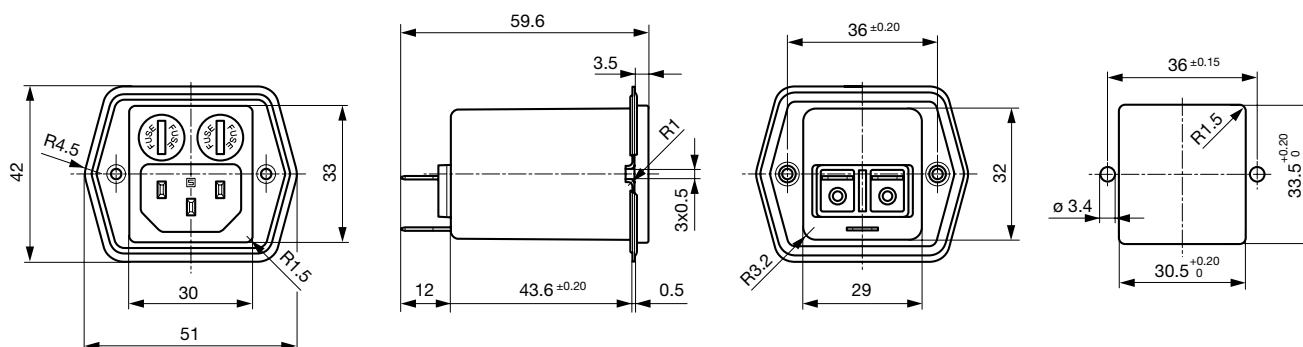
Appliance-Inlet/-Outlet	C14 / C18 acc. to IEC 60320 UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 8 A, Protection Class I or II
Fuseholder	1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20 mm
Rated Power Acceptance @ Ta 23 °C	5 x 20: 1.6W 1-pole/ 1,2W 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

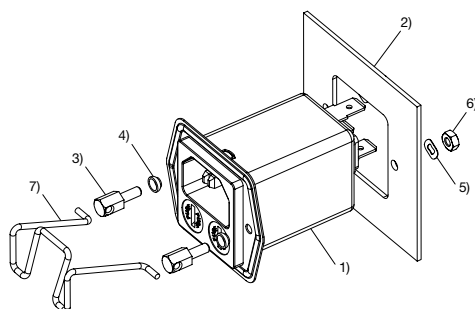
Mounting from front side



Mounting from rear side

**Mounting instructions**

Mounting sealing kit IP 54 for the power supply (only for frontside mounting)

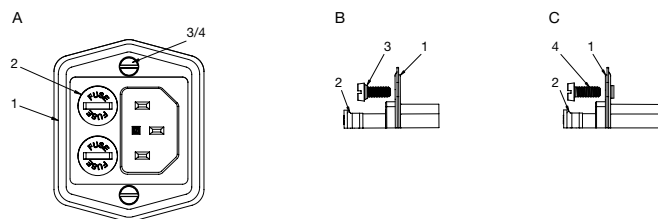


- 1) Power entry module with inlet gasket
- 2) Chassis
- 3) Pillar
- 4) Gasket ring
- 5) Crinkle washer
- 6) Nut
- 7) Retaining clip

Mating cordsets to sealing kit

Part no	Country plug	Cable length	Cross section	Color
6000.0214	open end	2.0 m	3x1 mm ²	black
6003.0215	EURO plug	2.5 m	3x1 mm ²	black
6004.0215	EURO plug	2.5 m	3x1 mm ²	black
6007.0212	EURO plug	1.0 m	3x1 mm ²	black
6007.0214	EURO plug	2.0 m	3x1 mm ²	black
6004.0114	EURO plug	2.0 m	3x0.75 mm ²	black
6026.0215	Italy	2.5 m	3x1 mm ²	black
6009.1315	North America	2.5 m	3x18 AWG	black
6047.6414	North America	2.0 m	3x0.75 mm ²	black
6009.1214	North America	2.0 m	3x18 AWG	black
6011.0215	Switzerland	2.5 m	3x1 mm ²	black
6044.0215	United Kingdom	2.5 m	3x1 mm ²	black

Mounting standard version



- 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:

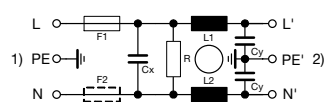
- use supplied fuse caps (2) and mounting screws (3/4)
- optimal sealing requires even and solid panel opening
- recommended tightening torque for mounting screws (2/3/4): 0.5-0.8 Nm
- IP65 protection between the inlet and connector pins, but no IP rating between the connector pins and the plug of the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

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

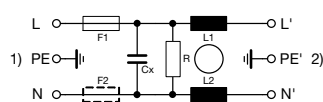
Diagrams

Standard version



- 1) Line
 2) Load

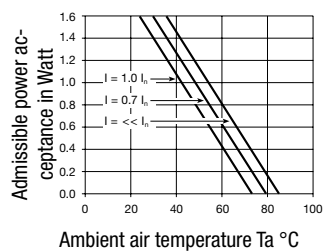
Medical version M5



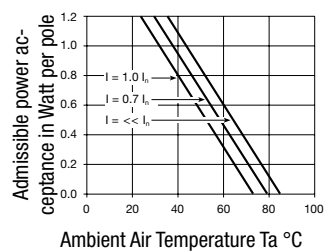
- 1) Line
 2) Load

Derating Curves

1-pole



2-pole

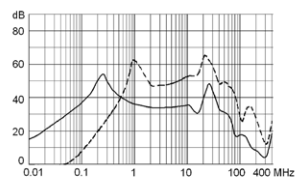


Attenuation Loss

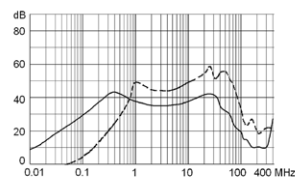
Standard version

- - - differential mode ____ common mode

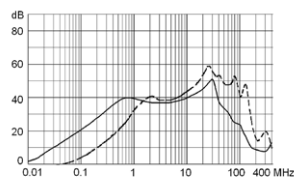
1 A



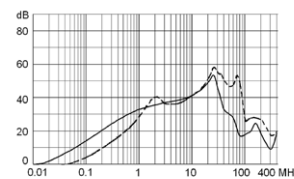
2 A



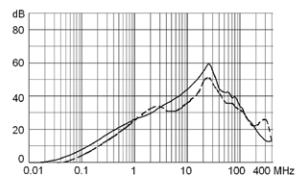
4 A



6 A

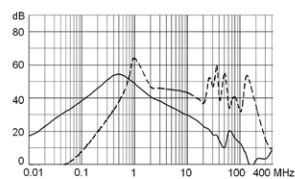


8 A

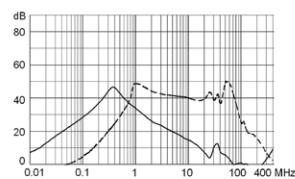


Medical version (M5)

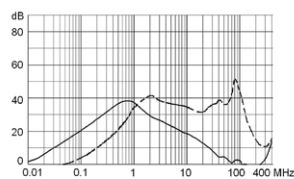
1 A



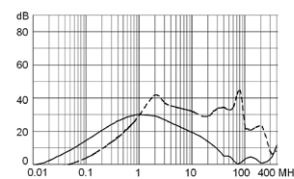
2 A



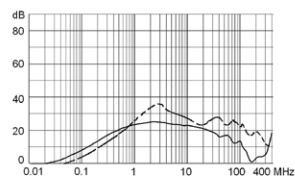
4 A



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	●		I	1-pole	5707.0101.112
2	Standard Version	●		I	1-pole	5707.0201.112
4	Standard Version	●		I	1-pole	5707.0401.112
6	Standard Version	●		I	1-pole	5707.0601.112
8	Standard Version	●		I	1-pole	5707.0801.112
1	Standard Version		●	I	1-pole	5707.0101.113
2	Standard Version		●	I	1-pole	5707.0201.113
4	Standard Version		●	I	1-pole	5707.0401.113
6	Standard Version		●	I	1-pole	5707.0601.113
8	Standard Version		●	I	1-pole	5707.0801.113
1	Standard Version	●		I	2-pole	5707.0101.312
2	Standard Version	●		I	2-pole	5707.0201.312
4	Standard Version	●		I	2-pole	5707.0401.312
6	Standard Version	●		I	2-pole	5707.0601.312
8	Standard Version	●		I	2-pole	5707.0801.312
1	Standard Version		●	I	2-pole	5707.0101.313
2	Standard Version		●	I	2-pole	5707.0201.313
4	Standard Version		●	I	2-pole	5707.0401.313
6	Standard Version		●	I	2-pole	5707.0601.313
8	Standard Version		●	I	2-pole	5707.0801.313
8	Standard Version		●	I	2-pole	5707.0801.313.21
1	Medical Version (M5)	●		I	2-pole	5707.0103.312
2	Medical Version (M5)	●		I	2-pole	5707.0203.312
4	Medical Version (M5)	●		I	2-pole	5707.0403.312
6	Medical Version (M5)	●		I	2-pole	5707.0603.312
8	Medical Version (M5)	●		I	2-pole	5707.0803.312
1	Medical Version (M5)		●	I	2-pole	5707.0103.313
2	Medical Version (M5)		●	I	2-pole	5707.0203.313
4	Medical Version (M5)		●	I	2-pole	5707.0403.313
6	Medical Version (M5)		●	I	2-pole	5707.0603.313
8	Medical Version (M5)		●	I	2-pole	5707.0803.313
8	Medical Version (M5)		●	I	2-pole	5707.0803.313.21
1	Medical Version (M5)	●		II	2-pole	5707.0103.412
2	Medical Version (M5)	●		II	2-pole	5707.0203.412
4	Medical Version (M5)	●		II	2-pole	5707.0403.412
6	Medical Version (M5)	●		II	2-pole	5707.0603.412
8	Medical Version (M5)	●		II	2-pole	5707.0803.412
1	Medical Version (M5)		●	II	2-pole	5707.0103.413
2	Medical Version (M5)		●	II	2-pole	5707.0203.413
4	Medical Version (M5)		●	II	2-pole	5707.0403.413
6	Medical Version (M5)		●	II	2-pole	5707.0603.413
8	Medical Version (M5)		●	II	2-pole	5707.0803.413

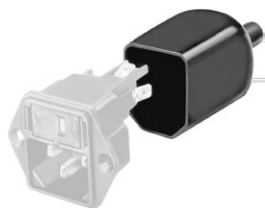
In addition to the IP 65 sealing to the appliance (standard version), the power input can be protected from ingressing fluids and dust with IP 54. This option is only available for front side mounting versions and can be ordered with ending ".01" (5707.xxxx.xxx.01). For the front mounting a cord retaining set is available for fixing the cord connector: 4700.0021 (sample 4700.0021.H)

Suffix ".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

Connector Overview 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
Connector further types to 5707	...

Interconnection Cord Overview complete



Interconnection Cord C13, 10 A	6007.0212
Interconnection Cord C13, 10 A	6007.0214
Interconnection Cord further types to 5707	...

Power Cord Overview 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 Cord further types to 5707	...

Power Supply Cord Overview complete



Power Supply Cord with IEC Connector C13 straight, stripped end	6000.0214
Power Supply Cord with IEC Connector C13 angled, stripped end	6000.0224
EU Power Supply Cord with IEC Connector C13, straight	6003.0215
EU Power Supply Cord with IEC Connector C13, straight	6004.0215
US Power Supply Cord with IEC Connector C13, straight	6009.1315
Power Supply Cord further types to 5707	...

Category / Description

[Power Supply or Interconnection Cord Overview complete](#)

Diverse Power Supply and Interconnection Cords 10 A	6003.0204
Diverse Power Supply and Interconnection Cords 10 A	6003.0205
Diverse Power Supply and Interconnection Cords 10 A	6026.0205
UK Power Supply Cord with stripped ends	6044.0204
Diverse Power Supply and Interconnection Cords 10 A	6045.0114
Power Supply or Interconnection Cord further types to 5707	...

Mouser Electronics

Authorized Distributor

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Schurter:

<u>5707.0403.312</u>	<u>5707.0603.312</u>	<u>5707.0203.312</u>	<u>5707.0103.312</u>	<u>5707.0801.312</u>	<u>5707.0603.313</u>	<u>5707.0103.313</u>
<u>5707.0401.112</u>	<u>5707.0605.313</u>	<u>5707.0603.412</u>	<u>5707.0203.412</u>	<u>5707.0101.312</u>	<u>5707.0103.412</u>	<u>5707.0401.312</u>
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<u>5707.0203.313</u>						