

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



5707.xxxx.x2 Mounting from front side

5707.xxxx.xxx.22 with IP 54 V-Lock cord connection

5707 with IP 54 Inlet Gasket



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
- Option suffix ".22" offers IP54 for the power input in combination with V-Lock cordsets
- 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
- With EMC-shield
- Especially for applications in rough environments
- 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

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

Weblinks

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

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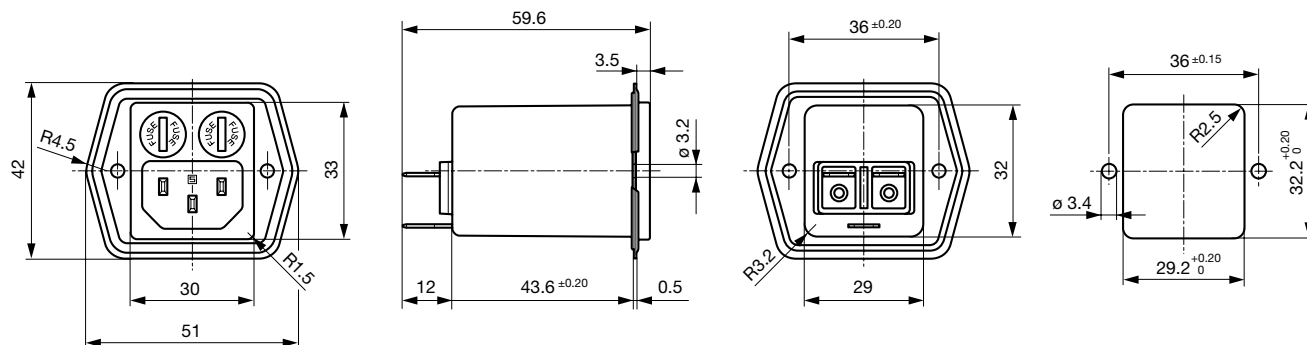
Technical Data

Ratings IEC	1 - 8 A @ Ta 40 °C / 250VAC; 50Hz
Ratings UL/CSA	1 - 8 A @ Ta 40 °C / 125VAC; 60Hz
Leakage Current	standard < 0.5mA (250 V / 60Hz) 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 3mm Mounting screw torque max 0.8Nm 2 screws M3 with sealing are provided
Material: Housing	black / white / metallic, UL 94V-0

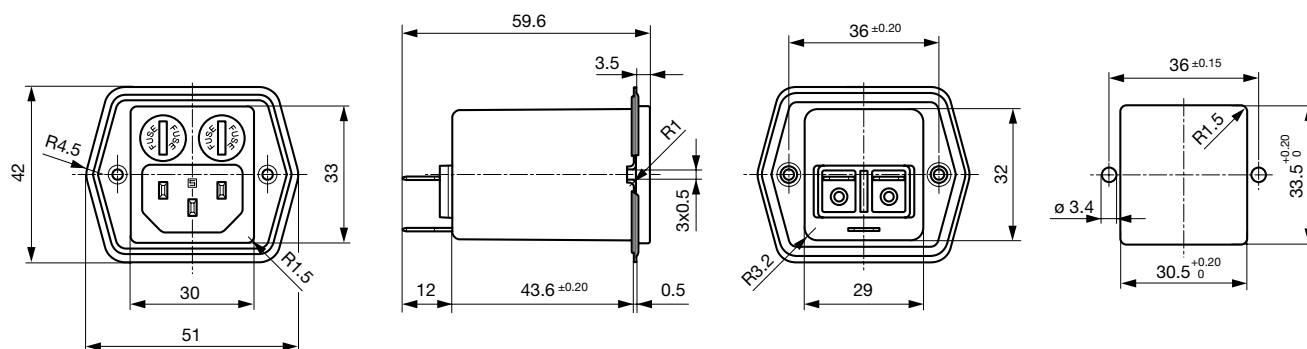
Appliance-Inlet/-Outlet	C14 / C18 acc. to IEC 60320-1 UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 8 A, Protection Class I or II
Fuseholder	1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20mm
Rated Power Acceptance @ Ta 23 °C	5 x 20: 1.6W 1-pole/ 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, UL 1283, CSA C22.2 no. 8 Technical Details
MTBF	> 2'800'000 h acc. to MIL-HB-217 F

Dimensions

Mounting from front side

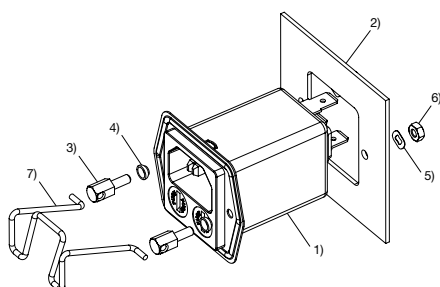


Mounting from rear side

**Assembly Instructions**

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

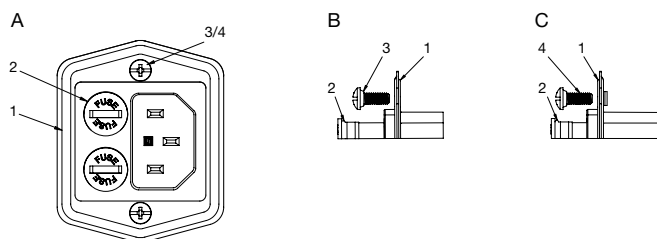
Mating cordsets to sealing kit



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	IEC 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

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

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!

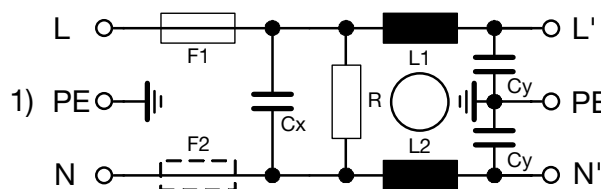
Technical Data of Filter-Components

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
2	Medical Version (M80)	2 x 5.2	100	0.47	1

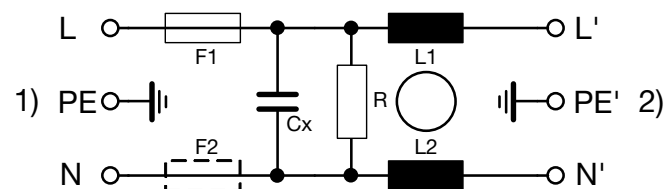
Diagrams

Standard version

Medical version M5



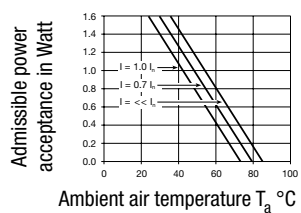
1) Line
2) Load



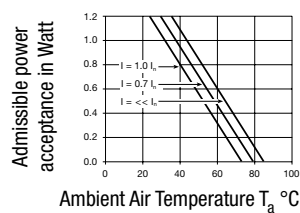
1) Line
2) Load

Derating Curves

1-pole



2-pole

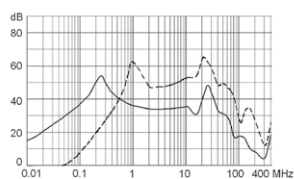


Attenuation Loss

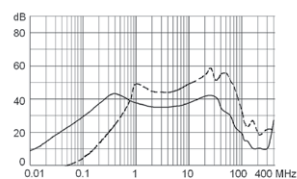
Standard version

- - - 50Ω differential mode _____ 50Ω common mode

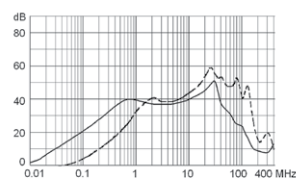
1 A



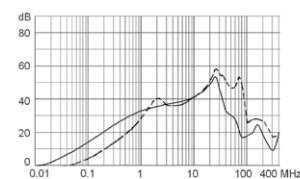
2 A



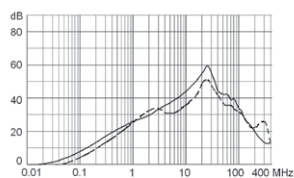
4 A



6 A

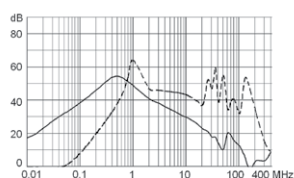


8 A

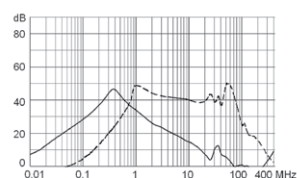


Medical version (M5)

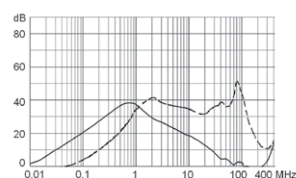
1 A



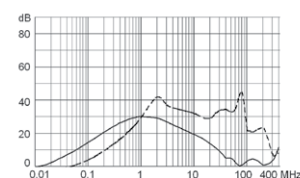
2 A



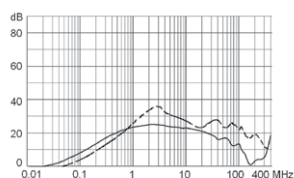
4 A



6 A



8 A



All Variants

Rated Current [A]	Filter-Type	Mounting side	Protection Class	Fuseholder	Color	Order Number
1	Standard Version	Front Side	I	1-pole	black	5707.0101.112
1	Standard Version	Rear Side	I	1-pole	black	5707.0101.113
2	Standard Version	Front Side	I	1-pole	black	5707.0201.112
2	Standard Version	Rear Side	I	1-pole	black	5707.0201.113
4	Standard Version	Front Side	I	1-pole	black	5707.0401.112
4	Standard Version	Rear Side	I	1-pole	black	5707.0401.113
6	Standard Version	Front Side	I	1-pole	black	5707.0601.112
6	Standard Version	Rear Side	I	1-pole	black	5707.0601.113
8	Standard Version	Front Side	I	1-pole	black	5707.0801.112
8	Standard Version	Rear Side	I	1-pole	black	5707.0801.113
1	Standard Version	Front Side	I	2-pole	black	5707.0101.312
1	Standard Version	Rear Side	I	2-pole	black	5707.0101.313
2	Standard Version	Front Side	I	2-pole	black	5707.0201.312
2	Standard Version	Rear Side	I	2-pole	black	5707.0201.313
4	Standard Version	Front Side	I	2-pole	black	5707.0401.312
4	Standard Version	Rear Side	I	2-pole	black	5707.0401.313
4	Standard Version	Rear Side	I	2-pole	black	5707.0401.313.22
6	Standard Version	Front Side	I	2-pole	black	5707.0601.312
6	Standard Version	Rear Side	I	2-pole	black	5707.0601.313
8	Standard Version	Front Side	I	2-pole	black	5707.0801.312
8	Standard Version	Front Side	I	2-pole	black	5707.0801.312.01
8	Standard Version	Rear Side	I	2-pole	black	5707.0801.313
8	Standard Version	Rear Side	I	2-pole	black	5707.0801.313.21
1	Medical Version (M5)	Front Side	I	2-pole	black	5707.0103.312
1	Medical Version (M5)	Rear Side	I	2-pole	black	5707.0103.313
1	Medical Version (M5)	Rear Side	I	2-pole	black	5707.0103.313.21
2	Medical Version (M5)	Front Side	I	2-pole	black	5707.0203.312
2	Medical Version (M5)	Rear Side	I	2-pole	black	5707.0203.313
2	Medical Version (M5)	Rear Side	I	2-pole	black	5707.0203.313.21
4	Medical Version (M5)	Front Side	I	2-pole	black	5707.0403.312
4	Medical Version (M5)	Rear Side	I	2-pole	black	5707.0403.313
4	Medical Version (M5)	Rear Side	I	2-pole	black	5707.0403.313.21
6	Medical Version (M5)	Front Side	I	2-pole	black	5707.0603.312
6	Medical Version (M5)	Rear Side	I	2-pole	black	5707.0603.313
6	Medical Version (M5)	Rear Side	I	2-pole	black	5707.0603.313.21
6	Medical Version (M5)	Front Side	I	2-pole	white	5707.0613.312
6	Medical Version (M5)	Front Side	I	2-pole	white	5707.0613.312.21
6	Medical Version (M5)	Rear Side	I	2-pole	white	5707.0613.313
6	Medical Version (M5)	Rear Side	I	2-pole	white	5707.0613.313.21
8	Medical Version (M5)	Front Side	I	2-pole	black	5707.0803.312
8	Medical Version (M5)	Front Side	I	2-pole	black	5707.0803.312.22
8	Medical Version (M5)	Rear Side	I	2-pole	black	5707.0803.313
8	Medical Version (M5)	Rear Side	I	2-pole	black	5707.0803.313.21
1	Medical Version (M5)	Front Side	II	2-pole	black	5707.0103.412
1	Medical Version (M5)	Rear Side	II	2-pole	black	5707.0103.413
2	Medical Version (M5)	Front Side	II	2-pole	black	5707.0203.412
2	Medical Version (M5)	Rear Side	II	2-pole	black	5707.0203.413
4	Medical Version (M5)	Front Side	II	2-pole	black	5707.0403.412
4	Medical Version (M5)	Rear Side	II	2-pole	black	5707.0403.413
6	Medical Version (M5)	Front Side	II	2-pole	black	5707.0603.412
6	Medical Version (M5)	Rear Side	II	2-pole	black	5707.0603.413
8	Medical Version (M5)	Front Side	II	2-pole	black	5707.0803.412
8	Medical Version (M5)	Rear Side	II	2-pole	black	5707.0803.413
2	Medical Version (M80)	Front Side	I	2-pole	black	5707.0205.312.01

Rated Current [A]	Filter-Type	Mounting side	Protection Class	Fuseholder	Color	Order Number
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Most Popular:

Availability for all products can be searched real-time: <http://www.schurter.com/Stock-Check/Stock-Check-SCHURTER>

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 for V-Lock cordsets with suffix ".22" or for a cord with a retaining set with suffix ".01" available. The variant for IP54 with V-Lock cordsets is for front and rear side mounting versions available (5707.xxxx.xxx.22). The variant for IP54 with cord retaining set is only for front mounting versions available (5707.xxxx.xxx.01). 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.

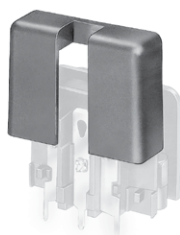
Packaging unit 10 Pcs

Accessories

Description



Wire Harness
Wire harness for SCHURTER products



Assorted Covers
Rear Cover

0859.0047

Mating Outlets/Connectors

Category / Description

Connector Overview complete



4782 Mounting: Power Cord, 3 x 1 mm ² / 3 x 18 AWG, Cable, Connector: IEC C13	4782
4022 Mounting: Power Supply Cord, 3 x 1.5 mm ² , Screw clamps, Connector: IEC C13	4022
4785 Mounting: Power Cord, 3 x 1 mm ² / 3 x 18 AWG, Cable, Connector: IEC C13	4785
4300-06 Mounting: Power Cord, 3 x 1 mm ² / 3 x 18 AWG, Cable, Connector: IEC C13	4300-06
4012 Mounting: Power Supply Cord, 3 x 1.5 mm ² , Screw clamps, Connector: IEC C13	4012

[Connector further types to 5707](#)

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Interconnection Cord Overview complete



Cord Sets 10 A, Interconnection, 1.0 m, Connector IEC C13, cord end:	6007.0212
Cord Sets 10 A, Interconnection, 2.0 m, Connector IEC C13, cord end:	6007.0214

[Interconnection Cord further types to 5707](#)

Category / Description



[Power Cord Overview complete](#)

Cord Sets 10 A, Interconnection, 2.0 m, IEC cord end:	6007.0204
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[Power Cord further types to 5707](#)



[Power Supply Cord Overview complete](#)

Cord Sets 10 A, Europlug, 2.5 m, Connector IEC C13, cord end:	6004.0215
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Cord Sets 10 A, Europlug, 2.5 m, Connector IEC C13, cord end:	6003.0215
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Cord Sets 10 A, uninsulated wires, 2.0 m, Connector IEC C13, cord end:	6000.0224
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Cord Sets 10 A, uninsulated wires, 2.0 m, Connector IEC C13, cord end:	6000.0214
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Cord Sets 10 A, United Kingdom, 2.5 m, Connector IEC C13, cord end:	6044.0215
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[Power Supply Cord further types to 5707](#) ...



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

Cord Sets 10 A, United Kingdom, 2.0 m, Connector IEC cord end:	6044.0204
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Kabelverbindung 10 A, United Kingdom, 2.0 m, Connector IEC C13, cord end:	6045.0114
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Kabelverbindung 10 A, diverse, diverse m, Connector IEC C13, cord end:	6003.0205
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Kabelverbindung 10 A, diverse, diverse m, Connector IEC C13, cord end:	6026.0205
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Kabelverbindung 10 A, diverse, diverse m, Connector IEC C13, cord end:	6049.0007
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[Power Supply or Interconnection Cord further types to 5707](#)

Mating Outlets/Connectors shuttered



[Power Cord Overview complete](#)

VAC17KS, North America, V-Lock cord retaining, 2.0 m, Connector C17, cord end:	6051.2801
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VAC17KS, North America, V-Lock cord retaining, 2.0 m, Connector C17, cord end:	6051.2811
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VAC17KS, Europlug, V-Lock cord retaining, 2.0 m, Connector IEC C17, cord end:	6051.2803
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VAC17KS, Europlug, V-Lock cord retaining, 2.0 m, Connector IEC C17, cord end:	6051.2813
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VAC13KS, Overview, diverse Connector IEC C13, cord end:	VAC13KS
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[Power Cord further types to 5707](#)