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



5707.xxxx.xx2 Mounting from front side



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



5707 with IP 54 Inlet Gasket

C14 70° C

C18 70° C

Approvals and Compliances

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 IP 54 for the power input in combination with V-Lock cordsets
- Quick connect terminals 6.3 x 0.8 mm

Unique Selling Proposition
- Sealed power entry module
- Strong in Design and Safety
- IP 65 protection to the appliance
- IP 54 protection to the cord connection

Characteristics
- Extreme robust design
- All single elements are already wired
- Screw type fuse carrier, slotted
- With EMC-shield
- Especially for applications in rough environments (see technical data)
- 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, Distributor-Stock-Check, Accessories, Detailed request for product, Microsite

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 Temperature	-25 °C to 85 °C
Climatic Category	25/085/21 acc. to IEC 60068-1
IP-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 / 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 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, UL 1283, CSA C22.2 no. 8 Technical Details
MTBF	> 2'800'000 h acc. to MIL-HB-217 F

Approvals and Compliances

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in Details about Approvals

Approvals

The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.

Approval Reference Type: 5707

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	Certificate Number: 40016382
	UL Approvals	UL	UL File Number: E72928

Product standards

Product standards that are referenced

Organization	Design	Standard	Description
	Designed according to	IEC 60320-1	Appliance couplers for household and similar general purposes
	Designed according to	IEC 60939	Passive filters for suppressing electromagnetic interference
	Designed according to	IEC 60127-6	Miniature fuses. Part 6. Fuse-holders for miniature fuse-links
	Designed according to	IEC 61058-1	Switches for appliances. Part 1. General requirements
	Designed according to	UL 498	Standard for Attachment Plugs and Receptacles
	Designed according to	UL 1283	Electromagnetic interference filters
	Designed according to	CSA C22.2 no. 42	General Use Receptacles, Attachment Plugs, and Similar Wiring Devices
	Designed according to	CSA C22.2 no. 8	Electromagnetic interference (EMI) filters

Application standards

Application standards where the product can be used

Organization	Design	Standard	Description
	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technologyequipment.
	Designed for applications acc.	IEC 60601-1	Medical electrical equipment - Part 1: General requirements for basic safety and essential performance
	Designed for applications acc.	IEC 60335-1	Safety of electrical appliances for household and similar purposes. Meets the requirements for appliances in unattended use. This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-12 and -13.

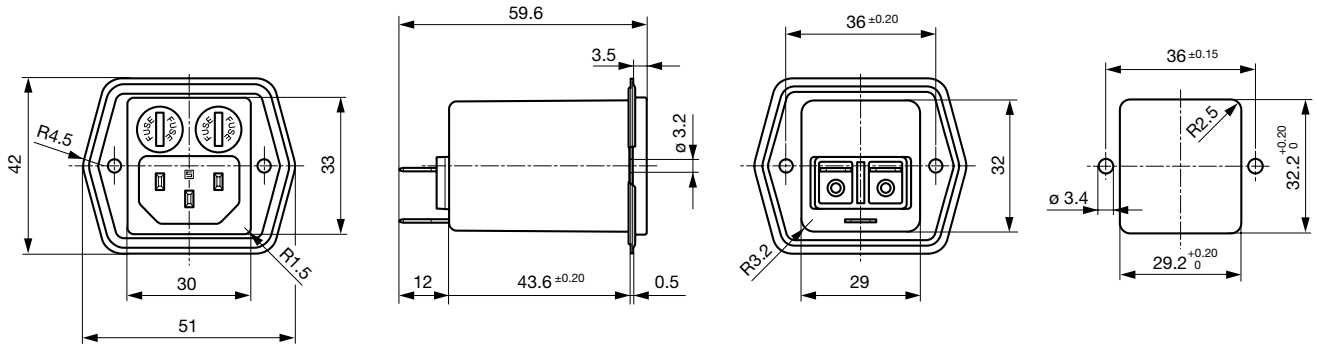
Compliances

The product complies with following Guide Lines

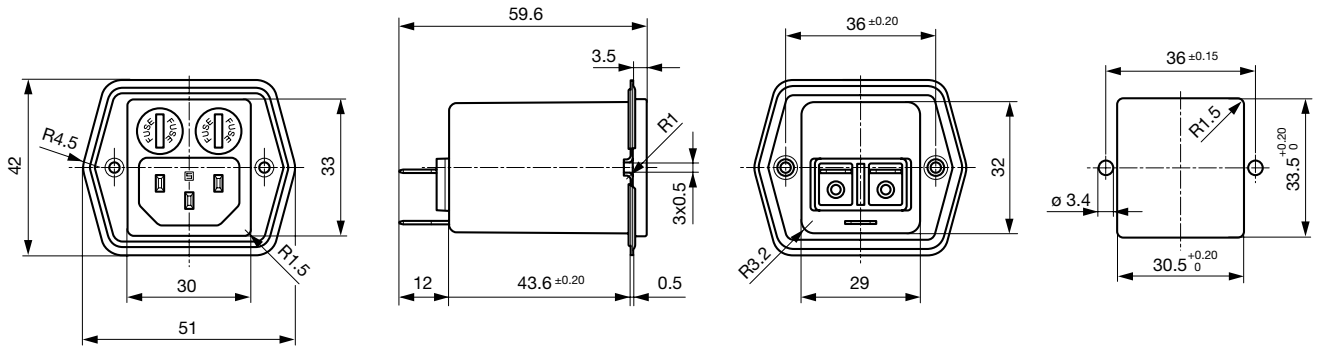
Identification	Details	Initiator	Description
	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
	RoHS	SCHURTER AG	EU Directive RoHS 2011/65/EU
	China RoHS	SCHURTER AG	The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.
	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.
	MicrositeV-Lock	SCHURTER AG	V-Lock system are based on a matching plug-dose combination. 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.
	Medical Equipment	SCHURTER AG	Suitable for use in medical equipment according to IEC/UL 60601-1

Dimension [mm]

Mounting from front side

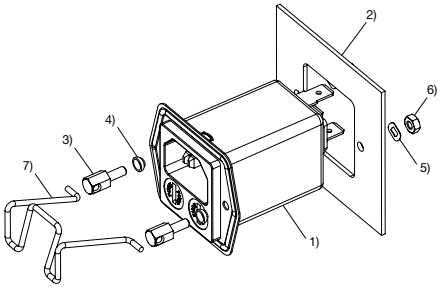


Mounting from rear side



Assembly Instructions

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

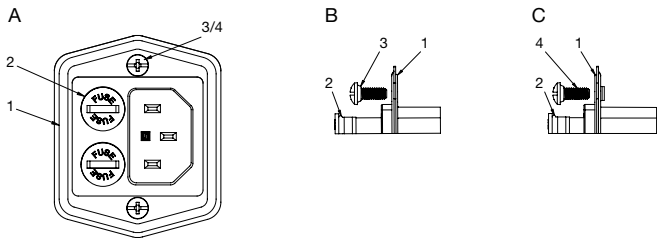


1) Power entry module with factory-mounted inlet gasket
2) Chassis
3) Pillar
4) Gasket ring
5) Crinkle washer
6) Nut
7) Retaining clip

Mating cordsets to sealing kit

Part no	Country plug	Cable length	Cross section	Color
6000.0214	open end	2.0 m	3x1 mm2	black
6003.0215	EURO plug	2.5 m	3x1 mm2	black
6004.0215	EURO plug	2.5 m	3x1 mm2	black
6007.0212	EURO plug	1.0 m	3x1 mm2	black
6007.0214	IEC plug	2.0 m	3x1 mm2	black
6004.0114	EURO plug	2.0 m	3x0.75 mm2	black
6026.0215	Italy	2.5 m	3x1 mm2	black
6009.1315	North America	2.5 m	3x18 AWG	black
6047.6414	Japan	2.0 m	3x0.75 mm2	black
6009.1214	North America	2.0 m	3x18 AWG	black
6011.0215	Switzerland	2.5 m	3x1 mm2	black
6044.0215	United Kingdom	2.5 m	3x1 mm2	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)

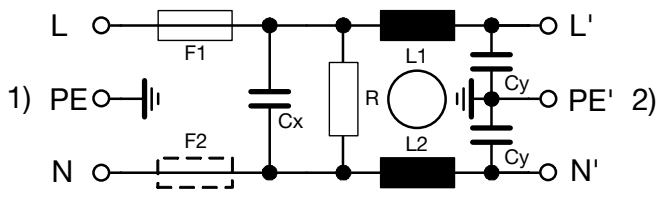
Important:
- use supplied fuse caps (2) and mounting screws (3/4)
- optimal sealing requires even and solid panel opening
- recommended tightening torque for mounting screws (2/3/4): 0.5-0.8 Nm
- IP65 protection between the inlet and connector pins, but no IP rating between the connector pins and the 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
2	Medical Version (M80)	2 x 5.2	100	0.47	1

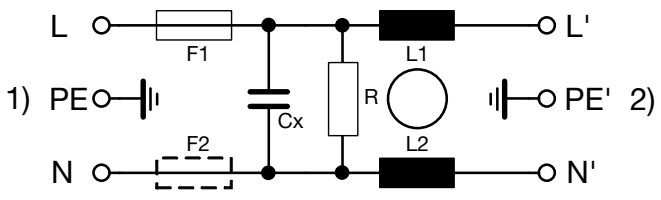
Diagrams

Standard version



1) Line
2) Load

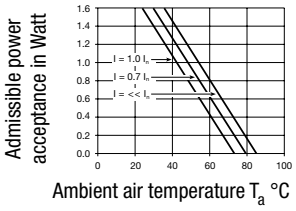
Medical version M5



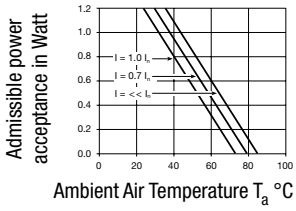
1) Line
2) Load

Derating Curves

1-pole



2-pole

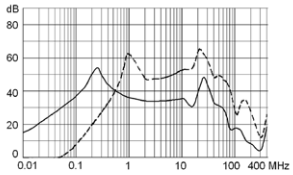


Attenuation Loss

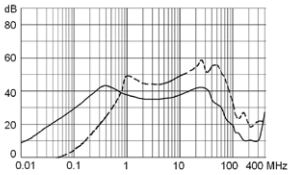
- - - - 50Ω differential mode _____ 50Ω common mode

Standard version

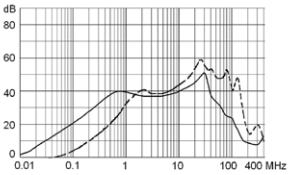
1 A



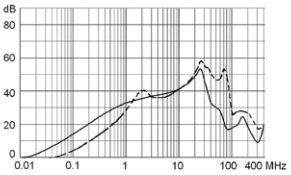
2 A



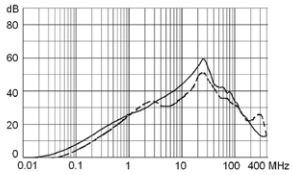
4 A



6 A

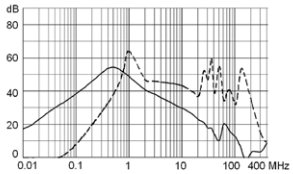


8 A

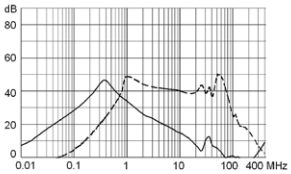


Medical version (M5)

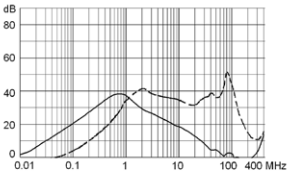
1 A



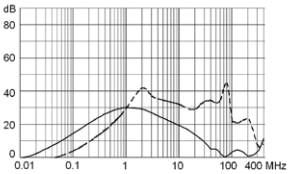
2 A



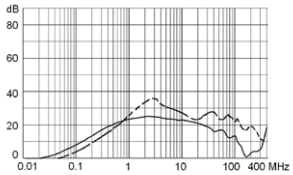
4 A



6 A



8 A



All Variants

Rated Current [A]	Filter-Type	Mounting side	Cord retaining kits	Protection Class	Power Cord IP-protection	Fuseholder	Color	V-Lock	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

Rated Current [A]	Filter-Type	Mounting side	Cord retaining kits	Protection Class	Power Cord IP-protection	Fuseholder	Color	V-Lock	Order Number
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	IP 54	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	IP 54	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)	Rear Side	-	I	IP 54	2-pole	black	●	3-100-897
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	IP 54	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

Rated Current [A]	Filter-Type	Mounting side	Cord retaining kits	Protection Class	Power Cord IP-protection	Fuseholder	Color	V-Lock	Order Number
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	IP 54	2-pole	**black**		5707.0205.312.01

Most Popular.

Availability for all products can be searched real-time:https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER

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 mm² / 3 x 18 AWG, Cable, Connector: IEC C13	4782
	4022 Mounting: Power Supply Cord, 3 x 1.5 mm², Screw clamps, Connector: IEC C13	4022
	4785 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13	4785
	4300-06 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13	4300-06
	4012 Mounting: Power Supply Cord, 3 x 1.5 mm², Screw clamps, Connector: IEC C13	4012
	Connector further types to 5707	...
	Interconnection Cord Overview complete	
	Cord Sets 10 A, Interconnection, 2.0 m, IEC H05VV-F3G1.0, black	6007.0204
	Cord Sets 10 A, Interconnection, 1.0 m, Connector IEC C13, H05VV-F3G1.0, black	6007.0212
	Cord Sets 10 A, Interconnection, 2.0 m, Connector IEC C13, H05VV-F3G1.0, black	6007.0214
	Interconnection Cord further types to 5707	

Category / Description



Power Supply Cord Overview complete

Cord Sets 10 A, Europlug, 2.5 m, Connector IEC C13, H05VV-F3G1.0, black	6004.0215
Cord Sets 10 A, Europlug, 2.5 m, Connector IEC C13, H05VV-F3G1.0, black	6003.0215
Cord Sets 10 A, uninsulated wires, 2.0 m, Connector IEC C13, H05VV-F3G1.0, black	6000.0224
Cord Sets 10 A, uninsulated wires, 2.0 m, Connector IEC C13, H05VV-F3G1.0, black	6000.0214
Cord Sets 10 A, United Kingdom, 2.5 m, Connector IEC C13, H05VV-F3G1.0, black	6044.0215
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 H05VV-F3G1.0, black	6044.0204
Power Supply or Interconnection Cord further types to 5707	

Mating Outlets/Connectors shuttered



Power Cord Overview complete

VAC13KS, Overview, diverse Connector IEC C13, cord end:	VAC13KS
Power cord with IEC connector C17, V-Lock, straight	VAC17KS
Power Cord further types to 5707	

02.12.2017

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.