

IEC Appliance Inlet C14 with Filter, Fuseholder 1- or 2-pole (5x20 mm or 6.3x32 mm), Bowden Line Switch
1- or 2-pole, Voltage Selector (Step)



Description

- Panel Mount :
Screw-on mounting from front side
- 5 Functions :
Appliance Inlet , Line switch for bowdencable actuation , Fuseholder with interchangeable fuse drawer for Fuse-links 5x20 mm or 6.3x32 mm , with or without voltage selector (step switch) , Line filter in standard and medical version
- Quick connect terminals 4.8 x 0.8 mm

Approvals and Compliances

Characteristics

- All single elements are already wired
- The fuse drawer "Fingergrip" can be removed by hand
- Suitable for use in equipment according to IEC/UL 60950
- Suitable for use in medical equipment according to IEC/UL 60601-1

References

Alternative: version without line filter [KD-Bowdencable](#)
Alternative: Standard version
Last order date: 30.06.2017
Last delivery date: 30.09.2017

Weblinks

[pdf datasheet](#), [html-datasheet](#), [General Product Information](#), [Distributor-Stock-Check](#), [Accessories](#), [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 - 6A @ Ta 40 °C / 250VAC; 50Hz	appliance inlet/-outlet	C14 acc. to IEC 60320-1, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class I
Ratings UL/CSA	1 - 8A @ 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)	Fuseholder	1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20 or 6.3 x 32mm
Allowable Operation Temperature	-25 °C to 85 °C	Rated Power Acceptance @ Ta 23 °C	5 x 20: 2.5W (1 pole)/ 2W (2-pole) per pole 6.3 x 32: 3.15W (1 pole)/ 2.5W (2-pole) per pole
Climatic Category	25/085/21 acc. to IEC 60068-1	Power Acceptance @ Ta > 23°C	Admissible power acceptance at higher ambient temperature see derating curves
IP-Protection	from front side IP 40 acc. to IEC 60529	Line Switch	Switch for bowdencable 2-pole, non-illuminated, acc. to IEC 61058-1 Technical Details
Protection Class	Suitable for appliances with protection class I acc. to IEC 61140	Voltage Selector	optional step, 2-4 digits
Terminal	Quick connect terminals 4.8 x 0.8 mm	Line Filter	Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
Panel Thickness S	Screw: max 8mm Mounting screw torque max 0.5Nm	MTBF	> 1'200'000 h acc. to MIL-HB-217 F
Material: Housing	Thermoplastic, black, UL 94V-0		



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: CD

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	Certificate Number: 40004665 (FKSO, FKSP, FKSU, FKSV)
	UL Approvals	UL	UL File Number: E72928 (FKSO, FKSP, FKSU, FKSV)

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 technology equipment.
	Designed for applications acc.	IEC 60601-1	Medical electrical equipment - Part 1: General requirements for basic safety and essential performance

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.
		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

CD bowden cable



Diagrams

Medical version
with voltage selector

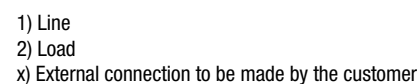
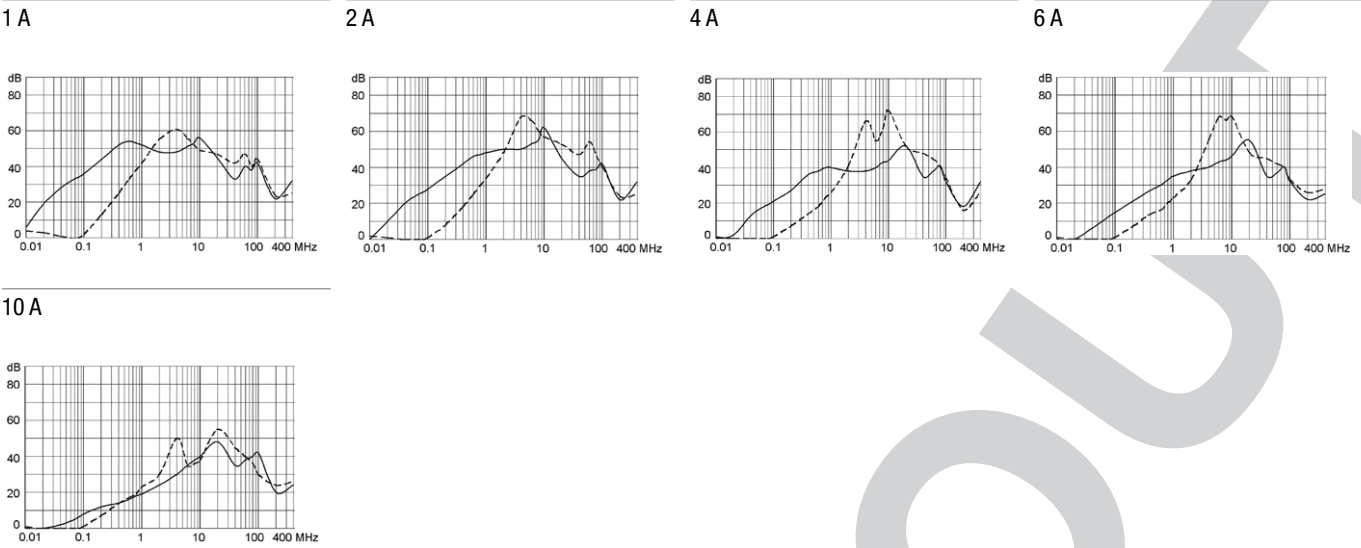


Figure 10 is a line graph showing the relationship between ambient air temperature and admissible power acceptance for different load factors. The y-axis is labeled 'Admissible power acceptance in Watt' and ranges from 0.0 to 2.5. The x-axis is labeled 'Ambient air temperature T_a °C' and ranges from 0 to 100. Three parallel lines are plotted, representing different load factors: $I = 1.0 L_n$ (top line), $I = 0.7 L_n$ (middle line), and $I = \ll L_n$ (bottom line). The lines show that admissible power acceptance decreases as ambient air temperature increases.

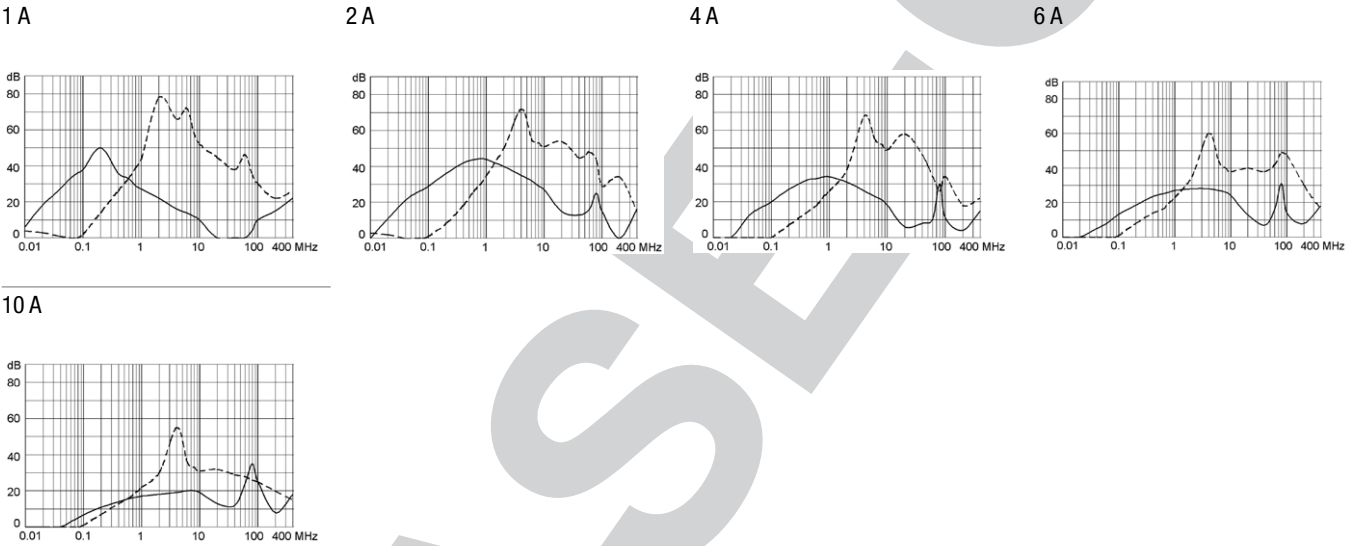
Ambient air temperature T_a (°C)	Admissible power acceptance (Watt) for $I = 1.0 L_n$	Admissible power acceptance (Watt) for $I = 0.7 L_n$	Admissible power acceptance (Watt) for $I = \ll L_n$
20	2.5	2.0	1.5
40	1.5	1.0	0.5
60	0.5	0.0	-0.5
80	-0.5	-1.0	-1.5

Attenuation Loss

Standard version



Medical version (M5)



All Variants

Type	Rated Current [A]	Filter-Type	Fuseholder	Line Switch	Voltage Selector	V-Lock	Order Number
CD-Bowdenzug	1	Standard Version	1-pole	2-pole	2-4 digits		CD11.4599.151
CD-Bowdenzug	1	Standard Version	2-pole	2-pole	2-4 digits		CD14.4198.151
CD-Bowdenzug	6	Standard Version	2-pole	2-pole	2-4 digits		CD44.4199.151

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

Packaging unit 10 Pcs

Required Accessory

Description



Fusedrawer 3

Fusedrawer for Fuse Links 5x20 mm resp. 6.3x32 mm

Fingergrip, 5 x 20, 2-pole, Voltage Selector	4303.2014.00
Fingergrip, 5 x 20, 2-pole, Voltage Selector, 100, 120, 220, 240	4303.2014.01
Fingergrip, 5 x 20, 2-pole, Voltage Selector, 110, 150, 220	4303.2014.02
Fingergrip, 5 x 20, 2-pole, Voltage Selector, 110, 220	4303.2014.03

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Accessories



Cord retaining kits

Cord retaining strain relief

Flat head, A	4700.0001
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Mating Outlets/Connectors

Category / Description

Appliance Outlet Overview complete



IEC Appliance Outlet F, Screw-on Mounting, Front Side, Solder Terminal	4787
IEC Appliance Outlet F, Snap-in Mounting, Front Side, Solder or Quick-connect Terminal	4788
IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder, PCB or Quick-connect Terminal	5091

[Appliance Outlet further types to CD-Bowdencable](#)

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 CD-Bowdencable](#)

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Mating Outlets/Connectors shuttered



Power Cord Overview complete

VAC13KS, Overview, diverse Connector IEC C13, cord end:	VAC13KS
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[Power Cord further types to CD-Bowdencable](#)