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

Standard- or Medical-Filter

V-Lock



C14

70° C

Description

- Panel Mount:
  Screw-on mounting from front side
- 5 Functions:
  Appliance Inlet, Line Switch, 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

- VDE Certificate Number: 40004665 (FKSO, FKSP, FKSU, FKSV)
- UL File Number: E72928 (FKSO, FKSP, FKSU, FKSV)

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
Alternative: Standard version

Weblinks

pdf-datasheet, html-datasheet, General Product Information, RoHS, CHINA-RoHS, REACH, Mating Connectors, e-Shop, SCHURTER-Stock-Check, Distributor-Stock-Check, Accessories, Wire Harnessing

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.

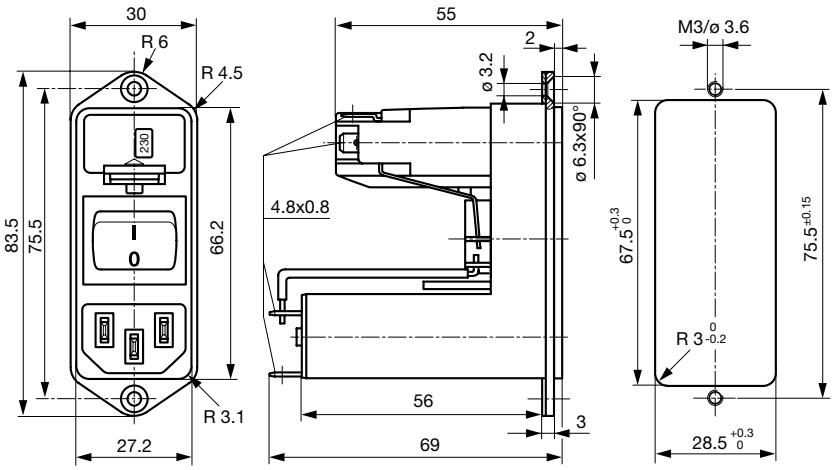
Technical Data

Ratings IEC	1 - 10 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	1 - 10 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 40 acc. to IEC 60529
Protection Class	Suitable for appliances with protection class I acc. to IEC 61140
Terminal	Quick connect terminals 4.8 x 0.8 mm
Panel Thickness s	Screw: max 8 mm Mounting screw torque max 0.5 Nm
Material: Housing	Thermoplastic, black, UL 94V-0

Appliance-Inlet/-Outlet	C14 acc. to IEC 60320, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class I
Fuseholder	1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20 or 6.3 x 32 mm
Rated Power Acceptance @ Ta 23 °C	5 x 20: 2.5 W (1 pole)/ 2 W (2-pole) per pole 6.3 x 32: 3.15 W (1 pole)/ 2.5 W (2-pole) per pole
Power Acceptance @ Ta > 23°C	Admissible power acceptance at higher ambient temperature see derating curves
Line Switch	2-pole, non-illuminated, acc. to IEC 61058-1 Technical Details
Voltage Selector	optional, step, 2-4 digits
Line Filter	Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
MTBF	> 1'200'000 h acc. to MIL-HB-217 F

Dimension

CD

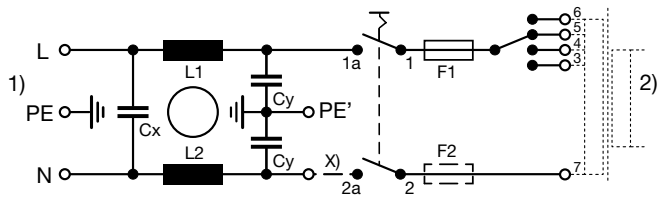


Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [MΩ]
1	Standard Version	2 x 10	68	2.2	-
2	Standard Version	2 x 4	68	2.2	-
4	Standard Version	2 x 1.5	68	2.2	-
6	Standard Version	2 x 0.8	68	2.2	-
10	Standard Version	2 x 0.3	68	2.2	-
1	Medical Version (M5)	2 x 10	68	-	1
2	Medical Version (M5)	2 x 4	68	-	1
4	Medical Version (M5)	2 x 1.5	68	-	1
6	Medical Version (M5)	2 x 0.8	68	-	1
10	Medical Version (M5)	2 x 0.3	68	-	1
2	Medical (M80)	2 x 4	68	0.47	1
4	Medical (M80)	2 x 1.5	68	0.47	1
10	Medical (M80)	2 x 0.3	68	0.47	1

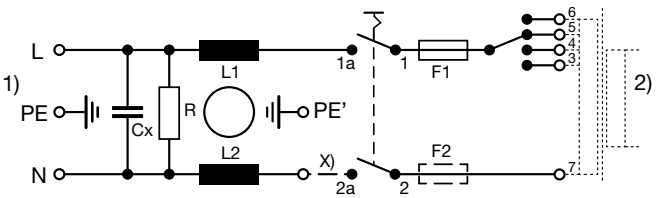
Diagrams

Standard version
with voltage selector



1) Line
2) Load
x) External connection to be made by the customer

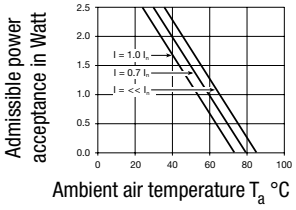
Medical version
with voltage selector



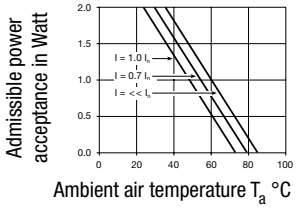
1) Line
2) Load
x) External connection to be made by the customer

Derating Curves

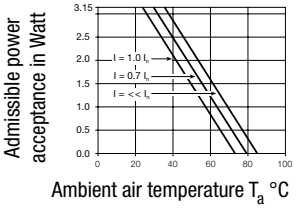
Fuses
5 x 20 mm (1-pole)



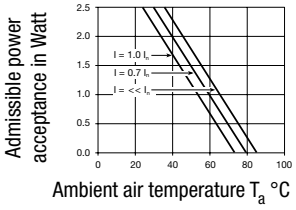
Fuses
5 x 20 mm (2-pole, per pole)



Fuses
6.3 x 32 mm (1-pole)



Fuses
6.3 x 32 mm (2-pole, per pole)

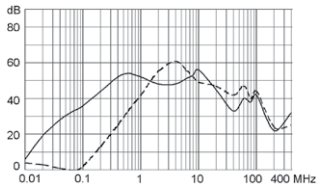


Attenuation Loss

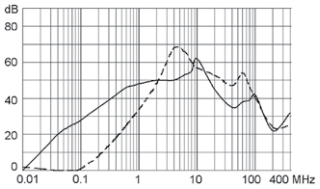
- - - - differential mode _____ common mode

Standard version

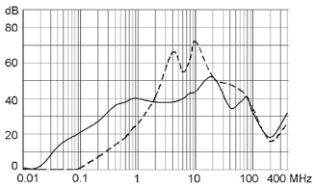
1 A



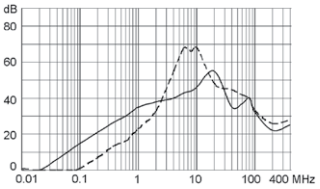
2 A



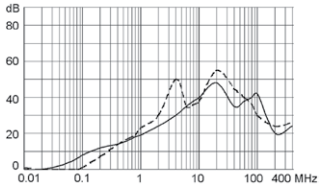
4 A



6 A

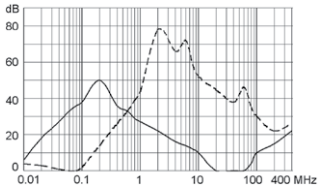


10 A

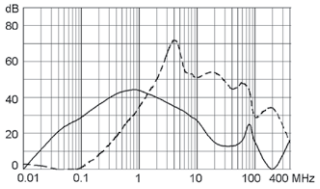


Medical version (M5)

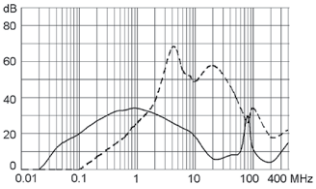
1 A



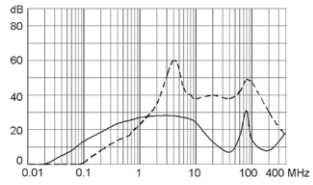
2 A



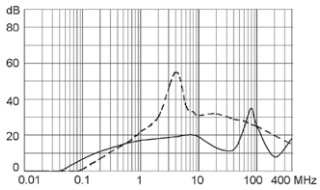
4 A



6 A



10 A



All Variants

Type	Rated Current [A]	Filter-Type	Fuseholder	Line Switch	Voltage Selector	Order Number	
CD	1	Standard Version	1-pole	2-pole	-	CD11.1501.151	■
CD	2	Standard Version	1-pole	2-pole	-	CD21.1501.151	■
CD	4	Standard Version	1-pole	2-pole	-	CD31.1501.151	
CD	6	Standard Version	1-pole	2-pole	-	CD41.1501.151	
CD	10	Standard Version	1-pole	2-pole	-	CD61.1501.151	
CD	1	Standard Version	1-pole	2-pole	2-4 digits	CD11.4501.151	
CD	2	Standard Version	1-pole	2-pole	2-4 digits	CD21.4501.151	
CD	4	Standard Version	1-pole	2-pole	2-4 digits	CD31.4501.151	■
CD	6	Standard Version	1-pole	2-pole	2-4 digits	CD41.4501.151	
CD	10	Standard Version	1-pole	2-pole	2-4 digits	CD61.4501.151	
CD	1	Standard Version	2-pole	2-pole	-	CD14.1101.151	■
CD	2	Standard Version	2-pole	2-pole	-	CD24.1101.151	■
CD	4	Standard Version	2-pole	2-pole	-	CD34.1101.151	■
CD	6	Standard Version	2-pole	2-pole	-	CD44.1101.151	■
CD	10	Standard Version	2-pole	2-pole	-	CD64.1101.151	■
CD	1	Standard Version	2-pole	2-pole	2-4 digits	CD14.4101.151	■
CD	2	Standard Version	2-pole	2-pole	2-4 digits	CD24.4101.151	■
CD	4	Standard Version	2-pole	2-pole	2-4 digits	CD34.4101.151	■
CD	6	Standard Version	2-pole	2-pole	2-4 digits	CD44.4101.151	■
CD	10	Standard Version	2-pole	2-pole	2-4 digits	CD64.4101.151	
CD	6	Medical Version (M5)	2-pole	2-pole	-	CDE4.1101.151	■
CD	1	Medical Version (M5)	2-pole	2-pole	2-4 digits	CDG4.4101.151	
CD	2	Medical Version (M5)	2-pole	2-pole	2-4 digits	CDA4.4101.151	■
CD	4	Medical Version (M5)	2-pole	2-pole	2-4 digits	CDC4.4101.151	■
CD	6	Medical Version (M5)	2-pole	2-pole	2-4 digits	CDE4.4101.151	■
CD	6	Medical Version (M5)	2-pole	2-pole	2-4 digits	CDE4.4101.151.21	
CD	10	Medical Version (M5)	2-pole	2-pole	2-4 digits	CDL4.4101.151	■
CD	2	Medical (M80)	2-pole	2-pole	2-4 digits	CDB4.4101.151	
CD	4	Medical (M80)	2-pole	2-pole	2-4 digits	CDD4.4101.151	
CD	10	Medical (M80)	2-pole	2-pole	2-4 digits	CDM4.4101.151	
CD	10	Medical (M80)	2-pole	2-pole	2-4 digits	CDM4.4101.151.21	

■ Most Popular.

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

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

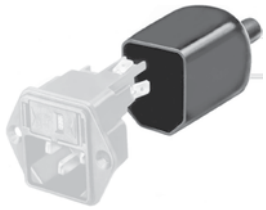
Required Accessory

	Description
	Fusedrawer 3 Fusedrawer for Fuse Links 5x20 mm resp. 6.3x32 mm

Accessories



Wire Harness
Wire harness for SCHURTER products



Assorted Covers
Rear Cover



Cord retaining kits
Cord retaining strain relief

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	



Connector Overview complete

IEC Connector C13, Rewireable, Straight	4782
IEC Connector C13, Rewireable, Straight	4022
IEC Connector C13, Rewireable, Angled	4785
IEC Connector C13, Rewireable, Angled	4300-06
IEC Connector C13, Rewireable, Angled	4012
Connector further types to CD	...

Mating Outlets/Connectors shuttered



Power Cord Overview complete

Overview Power Supply Cord with IEC Connector C13, V-Lock, straight	VAC13KS
Power Cord further types to CD	

22.04.2015

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.