

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



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, FKSU)
- UL File Number: E72928 (FKSO, FKSP, FKSU, FKSU)

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

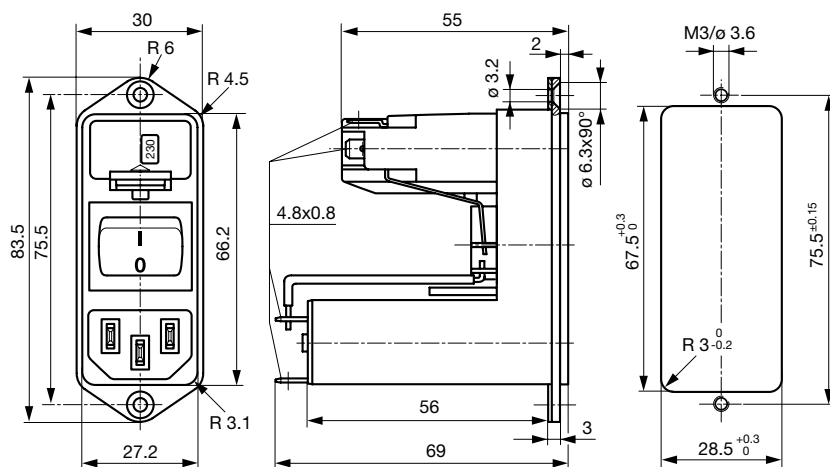
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Wire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

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.

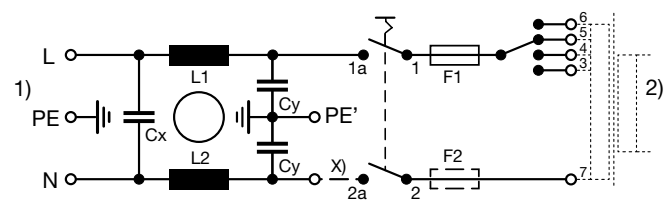
Technical Data

Ratings IEC	1 - 10A @ Ta 40 °C / 250VAC; 50Hz
Ratings UL/CSA	1 - 10A @ Ta 40 °C / 125VAC; 60Hz
Leakage Current	standard < 0.5 mA (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 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

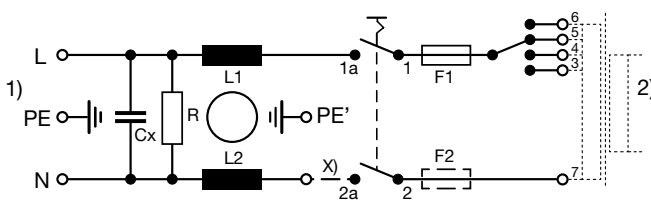
Appliance-Inlet/-Outlet	C14 acc. to IEC 60320, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class I
Fuseholder	1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20 or 6.3 x 32 mm
Rated Power Acceptance @ Ta 23 °C	5 x 20: 2.5W (1 pole)/ 2W (2-pole) per pole 6.3 x 32: 3.15W (1 pole)/ 2.5W (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

DiagramsStandard version
with voltage selector

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

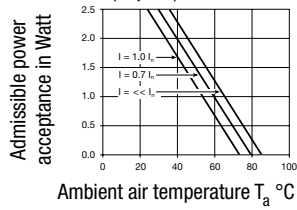
Medical version
with voltage selector

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

Derating Curves

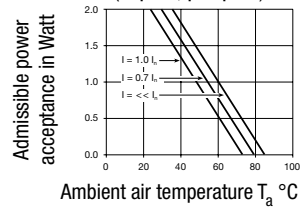
Fuses

5 x 20 mm (1-pole)



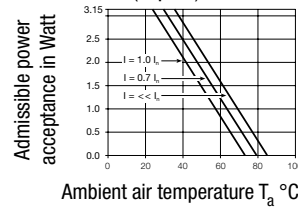
Fuses

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



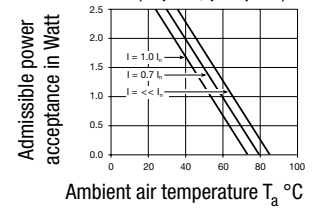
Fuses

6.3 x 32 mm (1-pole)



Fuses

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

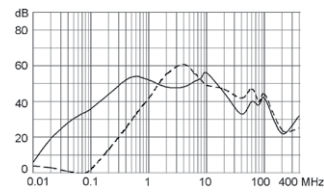


Attenuation Loss

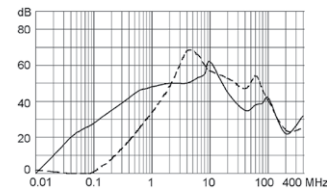
Standard version

--- differential mode ____ common mode

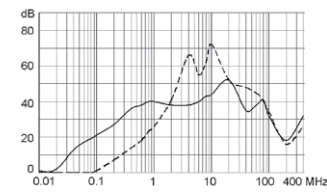
1 A



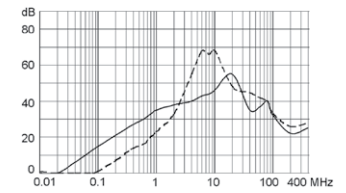
2 A



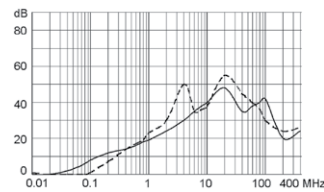
4 A



6 A

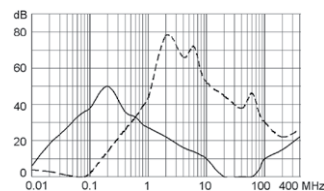


10 A

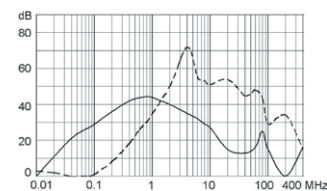


Medical version (M5)

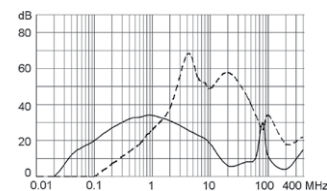
1 A



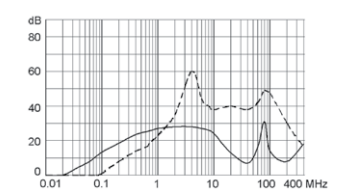
2 A



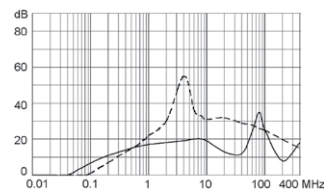
4 A



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



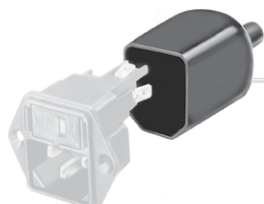
Fingergrip, 5 x 20, 2-pole, Voltage Selector	4303.2014.00
Fingergrip, 5 x 20, 2-pole, Voltage Selector, 100, 120, 220, 240	4303.2014.01
Fingergrip, 5 x 20, 2-pole, Voltage Selector, 110, 150, 220	4303.2014.02
Fingergrip, 5 x 20, 2-pole, Voltage Selector, 110, 220	4303.2014.03

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Accessories



Wire Harness
Wire harness for SCHURTER products



Assorted Covers
Rear Cover

0859.0077



Cord retaining kits
Cord retaining strain relief

Flat head, A

4700.0001

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



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 CD

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Mating Outlets/Connectors shuttered

Power Cord Overview complete



VAC17KS, North America, 2.0 m, Connector C17, cord end:	6051.2801
VAC17KS, Europlug, 2.0 m, Connector IEC C17, cord end:	6051.2803
VAC17KS, Europlug, 2.0 m, Connector IEC C17, cord end:	6051.2813
VAC13KS, Overview, diverse Connector IEC C13, cord end:	VAC13KS

Power Cord further types to CD