

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)



See below:  
**Approvals and Compliances**

### 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
- V-Lock notch standard
- Quick connect terminals 4.8 x 0.8 mm

### Unique Selling Proposition

- Multifunctional Power Entry Module
- Solid metal flange
- Various fuse drawers
- Slim design

### 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](#)

### Weblinks

[pdf datasheet](#), [html-datasheet](#), [General Product Information](#), [Distributor Stock-Check](#), [Accessories](#), [Detailed request for product](#), [Microsite](#)

### Technical Data

Ratings IEC	1 - 10A @ Ta 40 °C / 250 VAC; 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 - 10A @ Ta 40 °C / 125 VAC; 60Hz	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
Leakage Current	standard < 0.5 mA (250 V / 60 Hz) medical < 5 µA (250 V / 60 Hz)	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
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec)	Power Acceptance @ Ta > 23°C	Admissible power acceptance at higher ambient temperature see derating curves
Allowable Operation Temperature	-25 °C to 85 °C	Line Switch	2-pole, non-illuminated, acc. to IEC 61058-1 <a href="#">Technical Details</a>
Climatic Category	25/085/21 acc. to IEC 60068-1	Voltage Selector	optional, step, 2-4 digits
IP-Protection	from front side IP 40 acc. to IEC 60529	Line Filter	Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8 <a href="#">Technical Details</a>
Protection Class	Suitable for appliances with protection class I acc. to IEC 61140	MTBF	> 1'200'000h acc. to MIL-HB-217 F
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		



### 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
	<a href="#">VDE Approvals</a>	VDE	Certificate Number: 40004665 (FKSO, FKSP, FKSU, FKSV)
	<a href="#">UL Approvals</a>	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
	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.

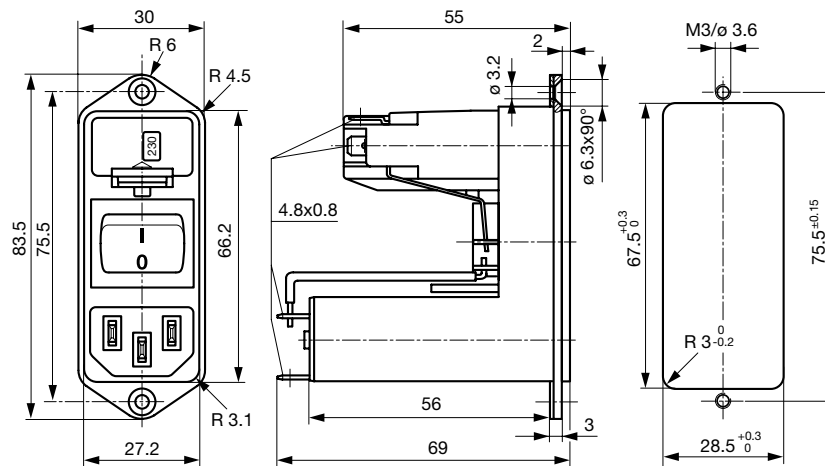
## Compliances

The product complies with following Guide Lines

Identification	Details	Initiator	Description
	<a href="#">CE declaration of conformity</a>	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.
	<a href="#">RoHS</a>	SCHURTER AG	EU Directive RoHS 2011/65/EU
	<a href="#">China RoHS</a>	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.
	<a href="#">REACH</a>	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.
	<a href="#">MicrositeV-Lock</a>	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.
	<a href="#">Medical Equipment</a>	SCHURTER AG	Suitable for use in medical equipment according to IEC/UL 60601-1

## Dimensions [mm]

CD

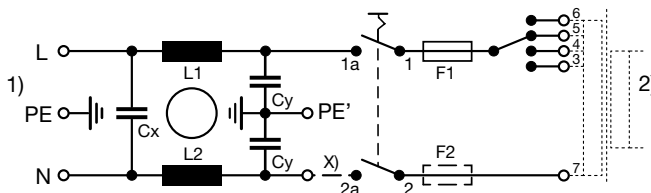


## Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [M $\Omega$ ]
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

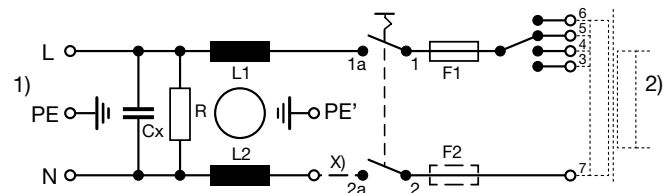
## Diagrams

### Standard version with voltage selector



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

### Medical version with voltage selector

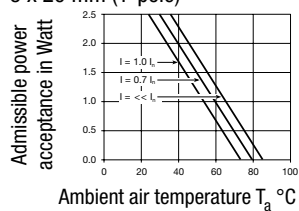


- 1) Line  
2) Load  
x) External connection to be made by the customer

## Derating Curves

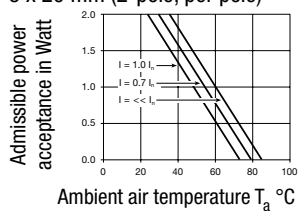
## Fuses

5 x 20 mm (1-pole)



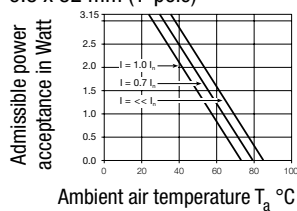
## Fuses

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



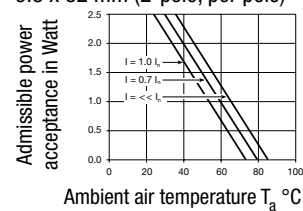
## Fuses

6.3 x 32 mm (1-pole)



## Fuses

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

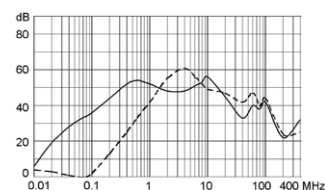


## Attenuation Loss

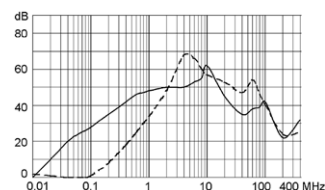
Standard version

- - - 50Ω differential mode \_\_\_\_ 50Ω common mode

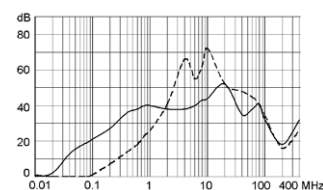
## 1 A



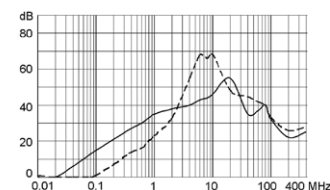
## 2 A



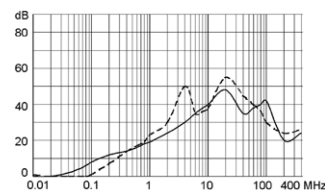
## 4 A



## 6 A

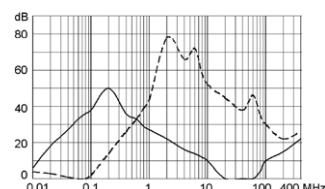


## 10 A

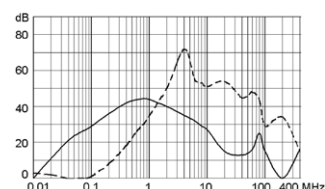


Medical version (M5)

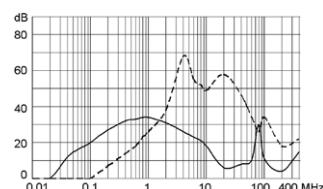
## 1 A



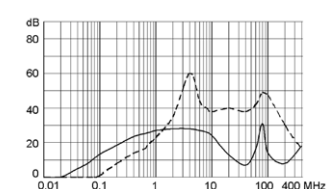
## 2 A



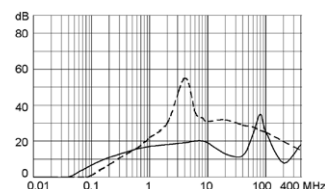
## 4 A



## 6 A



## 10 A



## All Variants

Type	Rated Current [A]	Filter-Type	Fuseholder	Line Switch	Voltage Selector	V-Lock	Order Number
CD	1	Standard Version	1-pole	2-pole	-	●	<a href="#">CD11.1501.151</a>
CD	2	Standard Version	1-pole	2-pole	-	●	<a href="#">CD21.1501.151</a>
CD	4	Standard Version	1-pole	2-pole	-	●	<a href="#">CD31.1501.151</a>
CD	6	Standard Version	1-pole	2-pole	-	●	<a href="#">CD41.1501.151</a>

Type	Rated Current [A]	Filter-Type	Fuseholder	Line Switch	Voltage Selector	V-Lock	Order Number
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	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

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

## 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

VAC13KS, Overview, diverse Connector IEC C13, cord end:	VAC13KS
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Power Cord further types to CD