

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

Technical Data

| | |
|---------------------------------|---|
| Ratings IEC | 1 - 10A @ Ta 40 °C / 250 VAC; 50Hz |
| Ratings UL/CSA | 1 - 10A @ Ta 40 °C / 125 VAC; 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 Temperature | -25 °C to 85 °C |
| Climatic Category | 25/085/21 acc. to IEC 60068-1 |
| IP-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 |

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](#)

| | |
|-----------------------------------|--|
| 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 |
| 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 | > 1'200'000h 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: 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

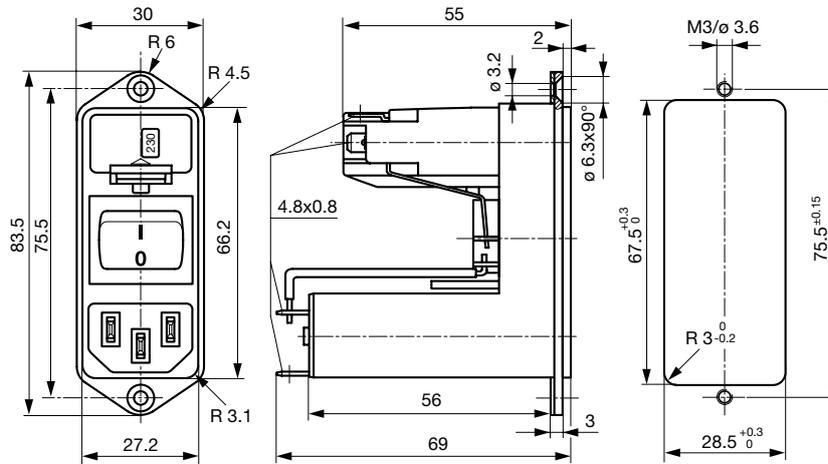
| Organization | Design | Standard | Description |
|--|--------------------------------|--------------|---|
|  | Designed for applications acc. | IEC/UL 60950 | IEC 60950-1 includes the basic requirements for the safety of information technology equipment. |
|  | Designed for applications acc. | IEC 60601-1 | Medical electrical equipment - Part 1: General requirements for basic safety and essential performance |
|  | 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 |

Dimensions [mm]
 CD

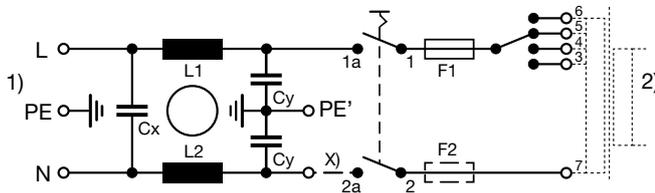


Technical Data of Filter-Components

| 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 |

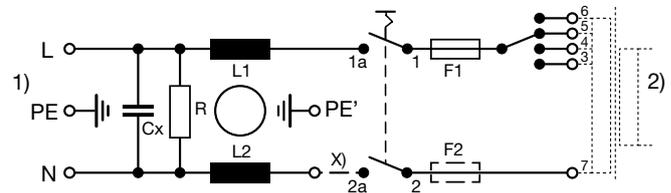
Diagrams

Standard version with voltage selector



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

Medical version with voltage selector

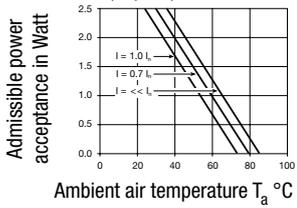


- 1) Line
- 2) Load
- x) External connection to be made by the customer

Derating Curves

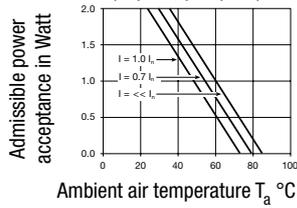
Fuses

5 x 20 mm (1-pole)



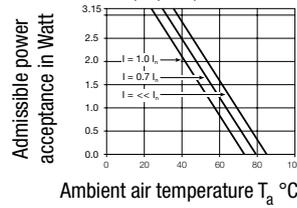
Fuses

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



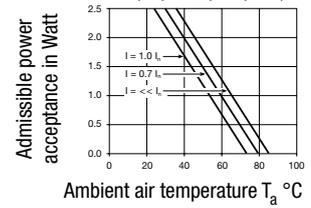
Fuses

6.3 x 32 mm (1-pole)



Fuses

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

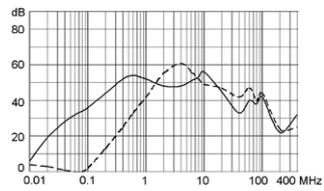


Attenuation Loss

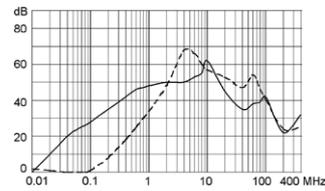
--- 50Ω differential mode ___ 50Ω common mode

Standard version

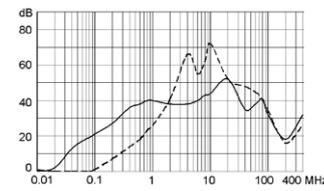
1 A



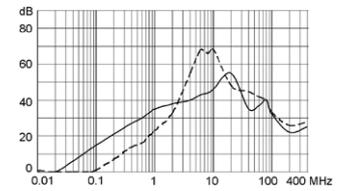
2 A



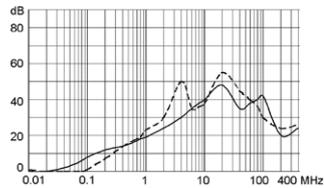
4 A



6 A

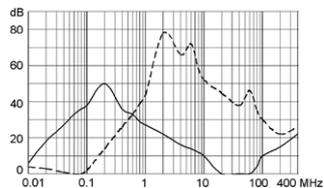


10 A

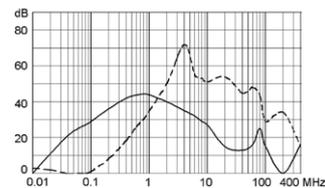


Medical version (M5)

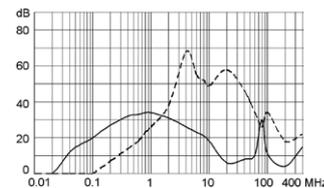
1 A



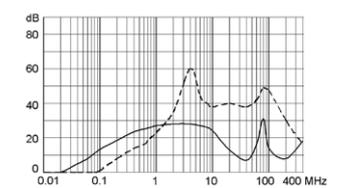
2 A



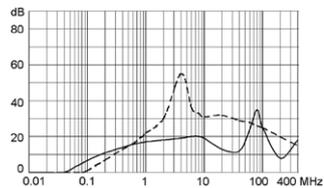
4 A



6 A



10 A



All Variants

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

| 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 |
| | ... |

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 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](#)

...

Mating Outlets/Connectors shuttered



[Power Cord Overview complete](#)

| | |
|---|---------|
| VAC13KS, Overview, diverse Connector IEC C13, cord end: | VAC13KS |
|---|---------|

[Power Cord further types to CD](#)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Schurter:

[CD34.1101.151](#) [CD24.4101.151](#) [CD11.1501.151](#) [CD11.4501.151](#) [CD14.1101.151](#) [CD14.4101.151](#) [CD14.4198.151](#)
[CD14.4199.151](#) [CD21.1501.151](#) [CD21.4501.151](#) [CD21.4599.151](#) [CD23.4101.151](#) [CD24.1101.151](#) [CD24.4198.151](#)
[CD24.4199.151](#) [CD31.1501.151](#) [CD31.4501.151](#) [CD34.1133.151](#) [CD34.4101.151](#) [CD34.4133.151](#) [CD34.4199.151](#)
[CD41.1501.151](#) [CD41.4501.151](#) [CD41.4599.151](#) [CD44.1101.151](#) [CD44.4101.151](#) [CD44.4198.151](#) [CD44.4199.151](#)
[CD61.1501.151](#) [CD61.4501.151](#) [CD64.1101.151](#) [CD64.4101.151](#) [CDA4.1101.151](#) [CDA4.4101.151](#)
[CDA4.4199.151](#) [CDC4.1101.151](#) [CDC4.4101.151](#) [CDC4.4199.151](#) [CDD4.4101.151](#) [CDE4.4101.151](#)
[CDE4.4199.151](#) [CDG4.4101.151](#) [CDL4.4101.151](#) [CDL4.4133.151](#) [CD43.1101.151](#)