IEC Appliance Inlet C14 with Filter, Fuseholder 1-pole



Type 5200, Fuseholder 1-pole with spare compartment
Screw-On Version



Type 5200, Fuseholder 1-pole with spare compartment
Snap-In Version

C14



70° C

## Approvals and Compliances

### Description
- Panel Mount :
  Snap-in or screw-on mounting from front side
- 3 Functions :
  Appliance Inlet Protection class I , Fuseholder for fuse-links 5 x 20 mm
  1-pole , Line filter in standard and medical version
- Quick connect terminals 6.3 x 0.8 mm

### Unique Selling Proposition
- Ultra-compact design
- Recessed faston connectors
- High quality filter case made of stainless steel
- Highly resistant since potted filter

### Characteristics
- All single elements are already wired
- Plug removal necessary for fuse-link replacement
- Suitable for use in equipment according to IEC/UL 60950
  Suitable for use in medical equipment according to IEC/UL 60601-1

### Other versions on request
- Variants with V-Lock cord retaining

### References
Alternative: version without line filter 6200
Alternative: Standard version

### Weblinks
pdf datasheet, html-datasheet, General Product Information, Distributor-Stock-Check, Accessories, Detailed request for product

### 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)<br>medical < 5 µA (250 V / 60 Hz) |
| Dielectric Strength | > 1.7 kVDC between L-N<br>> 2.7 kVDC between L/N-PE<br>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 6.3 x 0.8 mm |
| Panel Thickness S | Screw: max 8 mm<br>Mounting screw torque max 0.5 Nm<br>Snap-in: 0.8 mm to 3 mm |
| Material: Housing | Thermoplastic, black, UL 94V-0 |
| appliance inlet/-outlet | C14 acc. to IEC 60320-1,<br>UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class I |
| Fuseholder | 1-pole, Shocksafe category PC2 acc. to IEC 60127-6,<br>for fuse-links 5 x 20 mm |
| Rated Power Acceptance @ Ta 23 °C | 5 x 20: 2 W (1 pole) |
| Power Acceptance @ Ta > 23°C | Admissible power acceptance at higher ambient temperature see derating curves |
| Line Filter | Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8<br>Technical Details |
| MTBF | > 2'300'000 h 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: 5200

| Approval Logo | Certificates | Certification Body | Description |
|---|---|---|---|
| | VDE Approvals | VDE | Certificate Number: 101307 |
| | UL Approvals | UL | UL File Number: E72928 |
| | CQC Approvals | CQC | CCC File Number: CQC16001161219 |

## 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

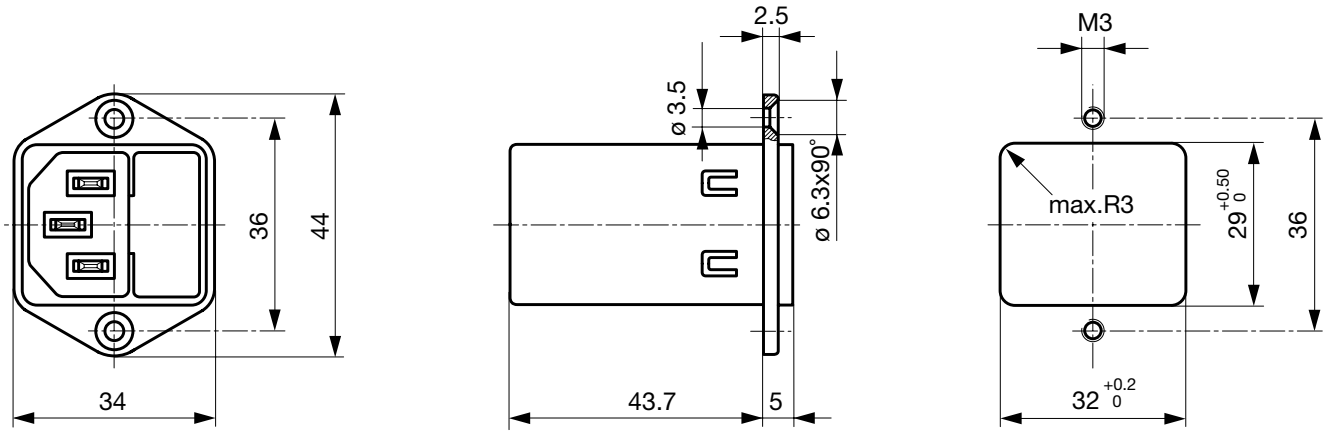
| Organization | Design | Standard | Description |
|---|---|---|---|
| | Designed for applications acc. | IEC/UL 60950 | IEC 60950-1 includes the basic requirements for the safety of information technologyequipment. |
| | Designed for applications acc. | IEC 60601-1 | Medical electrical equipment - Part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

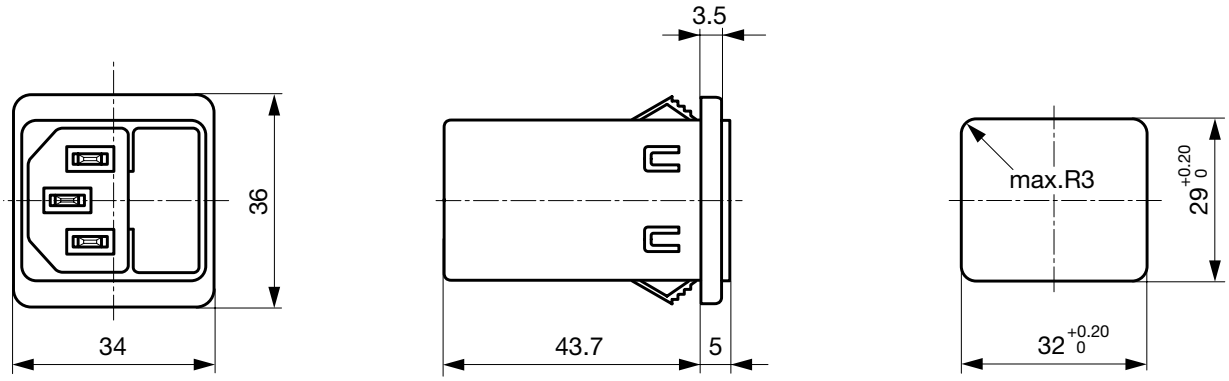
The product complies with following Guide Lines

| Identification | Details | Initiator | Description |
|---|---|---|---|
| CE | 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 | 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 | 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. |
| | Medical Equipment | SCHURTER AG | Suitable for use in medical equipment according to IEC/UL 60601-1 |

**Dimension [mm]**
Screw-on mounting type 5200




Snap-in mounting type 5200

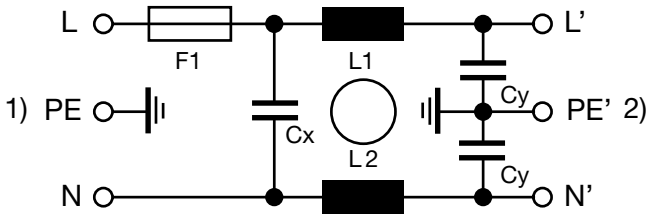



## Technical Data of Filter-Components

| Rated Current [A] | Filter-Type | Inductances L [mH] | Capacitance CX [nF] | Capacitance CY [nF] | R [MΩ] |
|---|---|---|---|---|---|
| 1 | Standard Version | 2 x 11 | 47 | 2.2 | - |
| 2 | Standard Version | 2 x 4 | 47 | 2.2 | - |
| 4 | Standard Version | 2 x 1.6 | 47 | 2.2 | - |
| 6 | Standard Version | 2 x 0.7 | 47 | 2.2 | - |
| 8 | Standard Version | 2 x 0.6 | 47 | 2.2 | - |
| 10 | Standard Version | 2 x 0.4 | 47 | 2.2 | - |
| 1 | Medical Version (M5) | 2 x 11 | 47 | - | 1 |
| 2 | Medical Version (M5) | 2 x 4 | 47 | - | 1 |
| 4 | Medical Version (M5) | 2 x 1.6 | 47 | - | 1 |
| 6 | Medical Version (M5) | 2 x 0.7 | 47 | - | 1 |
| 8 | Medical Version (M5) | 2 x 0.6 | 47 | - | 1 |
| 10 | Medical Version (M5) | 2 x 0.4 | 47 | - | 1 |
| 10 | Standard and Medical Version | 2 x 11 | 47 | 2.2 | 1 |

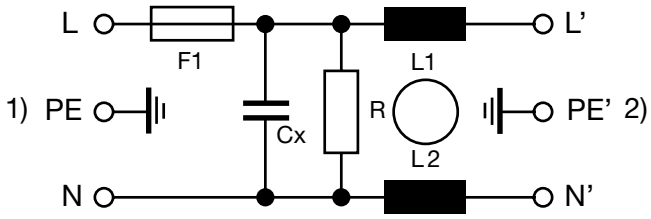
## Diagrams

5200 Standard version




1) Line
2) Load

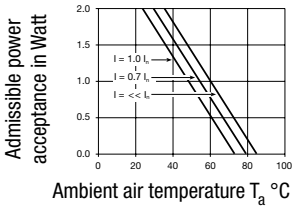
5200 Medical version




1) Line
2) Load

## Derating Curves

1-pole

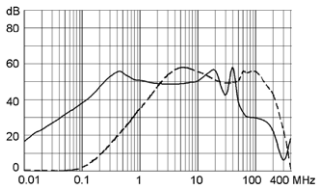



## Attenuation Loss

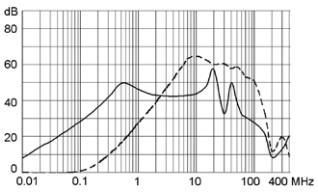
- - - - 50Ω differential mode _____ 50Ω common mode

Standard version

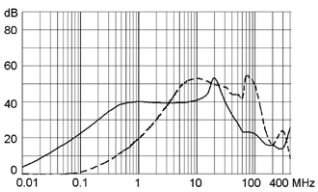
1 A



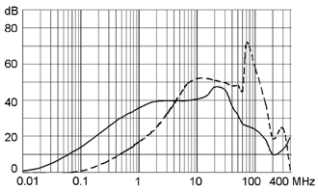

2 A



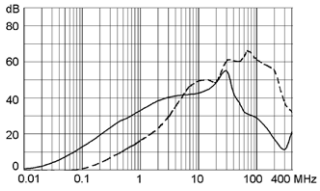

4 A



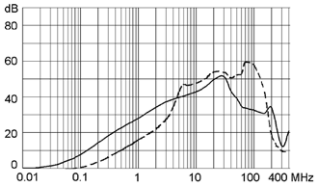

6 A




8 A

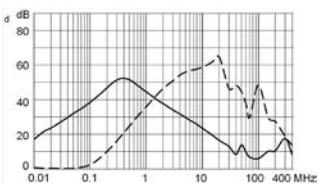



10 A

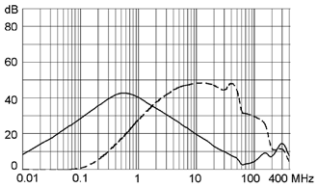


Medical version (M5)

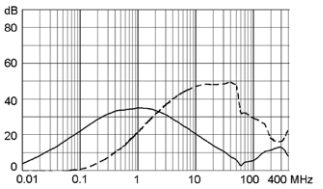
1 A



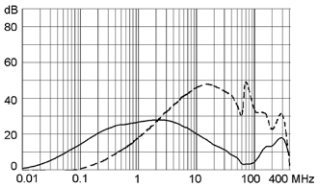

2 A



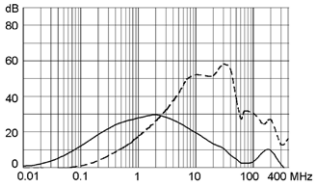

4 A



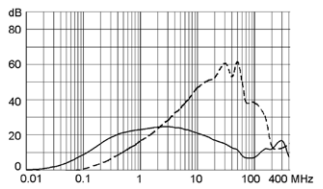

6 A




8 A




10 A




## All Variants

| Rated Current [A] | Filter-Type | Panel mounting | Fuseholder | Order Number | |
|---|---|---|---|---|---|
| 1 | Standard Version | Snap-in | 1-pole | 5200.0143.1 | ■ |
| 2 | Standard Version | Snap-in | 1-pole | 5200.0243.1 | ■ |
| 4 | Standard Version | Snap-in | 1-pole | 5200.0443.1 | ■ |
| 6 | Standard Version | Snap-in | 1-pole | 5200.0643.1 | ■ |
| 8 | Standard Version | Snap-in | 1-pole | 5200.0843.1 | |
| 10 | Standard Version | Snap-in | 1-pole | 5200.1043.1 | ■ |
| 1 | Standard Version | Screw | 1-pole | 5200.0123.1 | ■ |
| 2 | Standard Version | Screw | 1-pole | 5200.0223.1 | ■ |
| 4 | Standard Version | Screw | 1-pole | 5200.0423.1 | ■ |
| 6 | Standard Version | Screw | 1-pole | 5200.0623.1 | ■ |
| 8 | Standard Version | Screw | 1-pole | 5200.0823.1 | |
| 10 | Standard Version | Screw | 1-pole | 5200.1023.1 | ■ |
| 1 | Medical Version (M5) | Snap-in | 1-pole | 5200.0143.3 | |
| 2 | Medical Version (M5) | Snap-in | 1-pole | 5200.0243.3 | |
| 4 | Medical Version (M5) | Snap-in | 1-pole | 5200.0443.3 | |
| 6 | Medical Version (M5) | Snap-in | 1-pole | 5200.0643.3 | |
| 8 | Medical Version (M5) | Snap-in | 1-pole | 5200.0843.3 | |
| 10 | Medical Version (M5) | Snap-in | 1-pole | 5200.1043.3 | |
| 1 | Medical Version (M5) | Screw | 1-pole | 5200.0123.3 | |
| 2 | Medical Version (M5) | Screw | 1-pole | 5200.0223.3 | |
| 4 | Medical Version (M5) | Screw | 1-pole | 5200.0423.3 | |
| 6 | Medical Version (M5) | Screw | 1-pole | 5200.0623.3 | |
| 8 | Medical Version (M5) | Screw | 1-pole | 5200.0823.3 | |
| 10 | Medical Version (M5) | Screw | 1-pole | 5200.1023.3 | |

■ 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

## Accessories

| | Description | |
|---|---|---|
|  | Assorted Covers<br>Rear Cover | |
| | | 0859.0047 |
|  | Cord retaining kits<br>Cord retaining strain relief | |
| | Countersunk, B | 4700.0002 |

## 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 5200 | |
| | 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 5200 | ... |

02.12.2017



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