IEC Appliance Inlet C14 with Filter, Fuseholder 1-pole

Screw-on from front side
Type 5200, Fuseholder 1-pole with spare compartment
Screw-On Version

Snap-in mounting from front side
Type 5200, Fuseholder 1-pole with spare compartment
Snap-In Version

C14

70° C

See below:
**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
- V-Lock notch standard
- 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
- For applications according IEC/UL 62368-1 we recommend variants with bleed resistor
  Standard and Medical Version, IEC 60939-2, UL 60939-3

## Other versions on request
- Medical Version (M80)

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

## Weblinks
pdf data sheet, html datasheet, General Product Information, Approvals, 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 / 250 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 IP40 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, UL 60320-1, CSA C22.2 no. 60320-1 (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 60939-2, UL 60939-3, 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

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

## 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: E495089 |
| | CQC Approvals | CQC | CQC Certificate Number: CQC18001210262 |

## Product standards

Product standards that are referenced

| Organization | Design | Standard | Description |
|---|---|---|---|
| IEC | Designed according to | IEC 60320-1 | Appliance couplers for household and similar general purposes |
| IEC | Designed according to | IEC 60939-2 | Passive filters for suppressing electromagnetic interference |
| IEC | Designed according to | IEC 60127-6 | Miniature fuses. Part 6. Fuse-holders for miniature fuse-links |
| UL | Designed according to | UL 60320-1 | Standard for Attachment Plugs and Receptacles |
| UL | Designed according to | UL 60939-3 | Electromagnetic interference filters |
| CSA Group | Designed according to | CSA C22.2 no. 60320-1 | General Use Receptacles, Attachment Plugs, and Similar Wiring Devices |
| CSA Group | Designed according to | CSA C22.2 no. 8 | Electromagnetic interference (EMI) filters |

## Application standards

Application standards where the product can be used

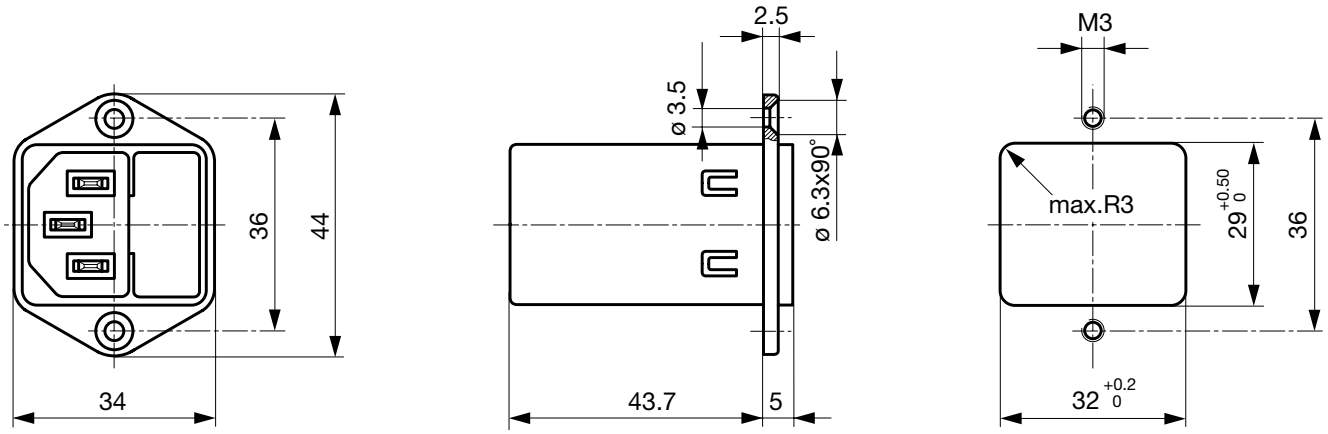
| Organization | Design | Standard | Description |
|---|---|---|---|
| IEC | Designed for applications acc. | IEC/UL 62368-1 | IEC 62368-1 includes the basic requirements for safety of audio, video, information technology and office equipment. |
| IEC | Designed for applications acc. | IEC 60601-1 | Medical electrical equipment - Part 1: General requirements for basic safety and essential performance |
| IEC | 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 60695-2-11 or -12 & -13. |

## Compliances

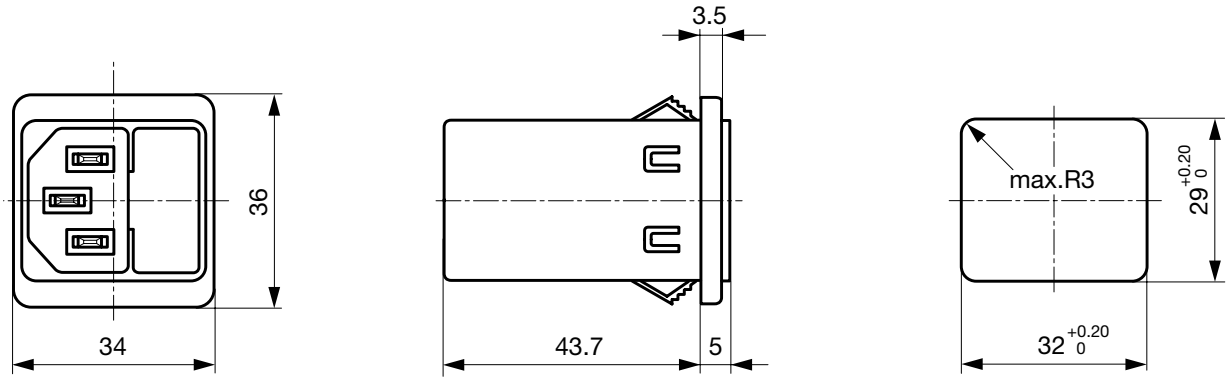
The product complies with following Guide Lines

| 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 | Directive RoHS 2011/65/EU, Amendment (EU) 2015/863 |
| | 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. |
| V-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. |
| | White Paper Glow wire test | SCHURTER AG | Meets the requirements of IEC 60335-1 for appliances in unattended use. This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-11 or -12 &-13. |
| | Medical Equipment | SCHURTER AG | Suitable for use in medical equipment according to IEC/UL 60601-1 |

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




Snap-in mounting type 5200

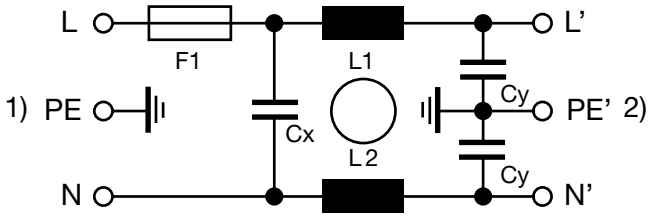



## Technical Data of Filter-Components

| 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 |

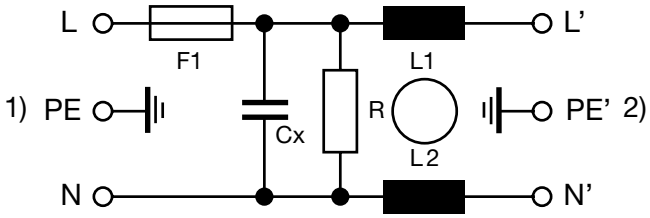
## Diagrams

5200 Standard Version




1) Line
2) Load

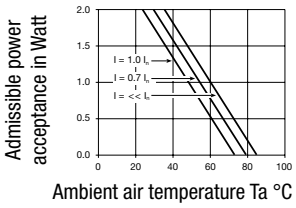
5200 Medical Version (M5)




1) Line
2) Load

## Derating Curves

1-pole

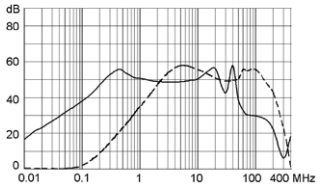



## Attenuation Loss

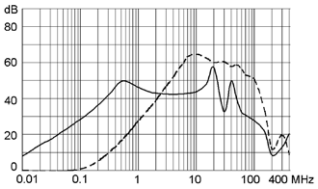
- - - - 50Ω differential mode _____ 50Ω common mode

Standard version

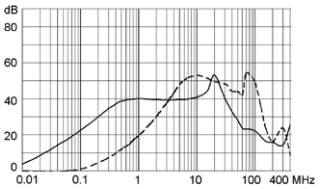
1 A



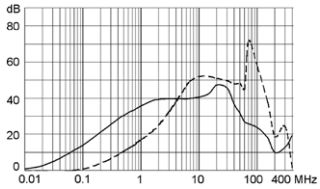

2 A



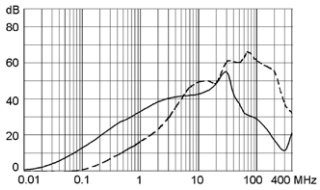

4 A



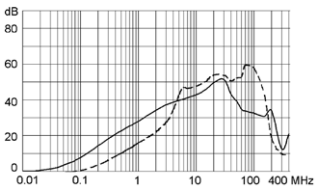

6 A




8 A

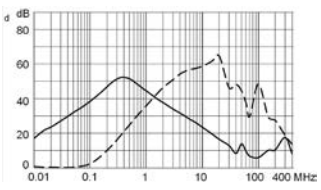



10 A

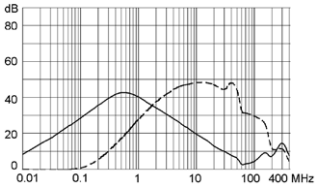


Medical version (M5)

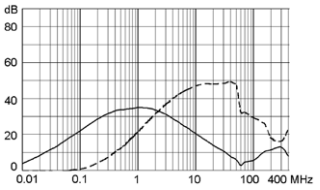
1 A



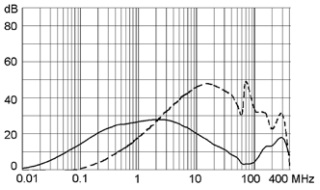

2 A



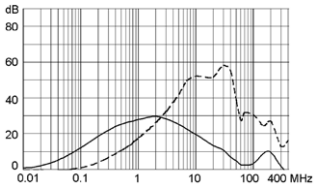

4 A



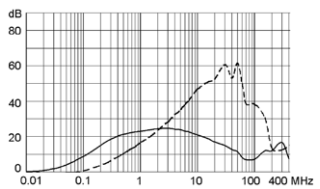

6 A




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 | |
| | 4787, Mounting: Screw-on mounting, Appliance Outlet: IEC Solder terminals, 10 A, Suitable for appliances with protection class I | 4787 |
| | 4788, Mounting: Snap-in version, Appliance Outlet: IEC Solder terminals or quick connect terminals, 10 A, Suitable for appliances with protection class I | 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 |
| | 4785 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13 | 4785 |
| | 4012 Mounting: Power Supply Cord, 3 x 1 mm², Screw clamps, Connector: IEC C13 | 4012 |
| | 4300-06 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13 | 4300-06 |
| | 4781 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C15 | 4781 |
| | Connector further types to 5200 | ... |

## Mating Outlets/Connectors shuttered

| | | |
|---|---|---|
| | Connector Overview complete | |
| | 4783 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13 | 4783 |
| | Connector further types to 5200 | |

19.06.2020



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.

LifeElectronics
Живое партнерство

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*ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703*

*Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.*

*С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров*

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- *Специальные условия для постоянных клиентов.*
- *Подбор аналогов.*
- *Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.*

- *Приемлемые сроки поставки, возможна ускоренная поставка.*
- *Доставку товара в любую точку России и стран СНГ.*
- *Комплексную поставку.*
- *Работу по проектам и поставку образцов.*
- *Формирование склада под заказчика.*

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- *Тестирование поставляемой продукции.*
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- *Защиту от снятия компонента с производства.*
- *Оценку стоимости проекта по компонентам.*
- *Изготовление тестовой платы монтаж и пусконаладочные работы.*

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