

IEC Appliance Inlet C14 with Filter, Line Switch 2-pole



See below:
[Approvals and Compliances](#)

Description

- Panel mount :
 Screw-on mounting from front side
- 3 Functions :
 Appliance Inlet Protection class I , Line Switch 2-pole , Line filter in standard and medical version
- Quick connect terminals 6.3 x 0.8 mm

Characteristics

- All single elements are already wired
- Line switch non-illuminated
- With EMC-shield
- 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 [KEB2](#)
 We recommend for new applications [DC12](#)
 Alternative: Standard version [DC12](#)

Weblinks

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

Technical Data

| | | | |
|---------------------------------|---|-------------------------|--|
| Ratings IEC | 1 - 10A @ Ta 40 °C / 250VAC; 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 / 125VAC; 60Hz | Line Switch | Rocker switch 2-pole, non-illuminated, acc. to IEC 61058-1 Technical Details |
| Leakage Current | standard < 0.5 mA (250 V / 60Hz) medical < 5 µA (250 V / 60 Hz) | Line Filter | Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details |
| Dielectric Strength | > 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec) | MTBF | > 1'900'000h acc. to MIL-HB-217 F |
| 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 Mounting screw torque max 0.5Nm | | |
| 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](#)

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 134485 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: KFB2

| Approval Logo | Certificates | Certification Body | Description |
|--|---------------|--------------------|------------------------------------|
|  | VDE Approvals | VDE | Certificate Number: 40004665 (FKT) |
|  | UL Approvals | UL | UL File Number: E72928 (FKT) |
|  | CQC Approvals | CQC | CQC File Number: |



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 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

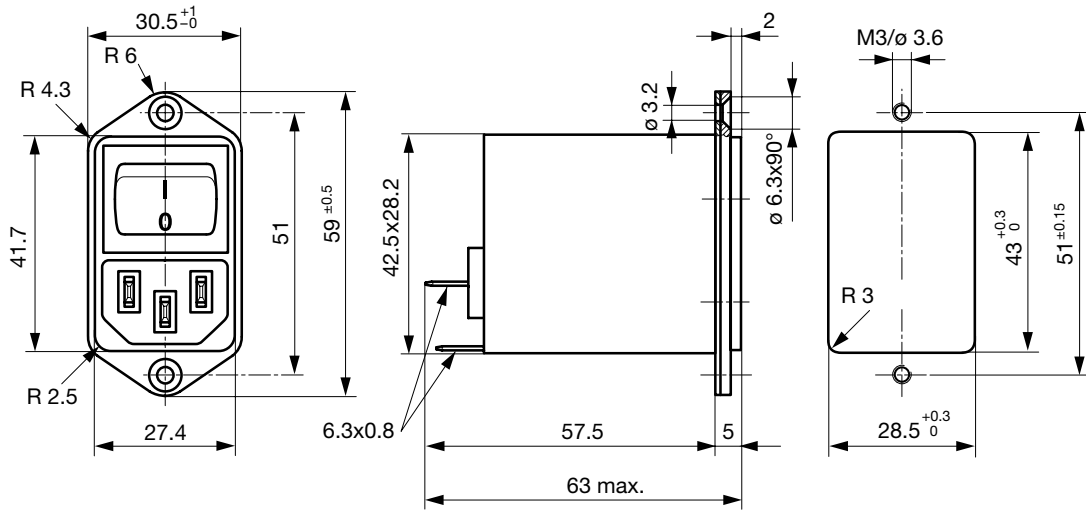
| Organization | Design | Standard | Description |
|--|--------------------------------|--------------|--|
|  | Designed for applications acc. | IEC/UL 60950 | IEC 60950-1 includes the basic requirements for the safety of information technology equipment. |
|  | Designed for applications acc. | IEC 60601-1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

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

Dimension [mm]



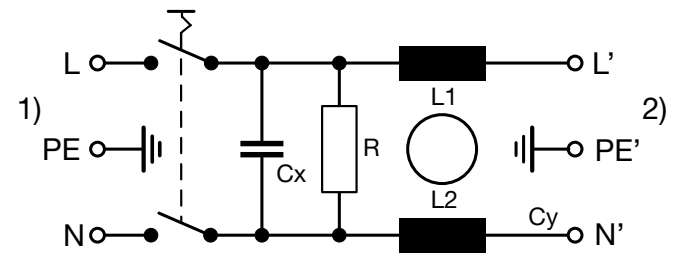
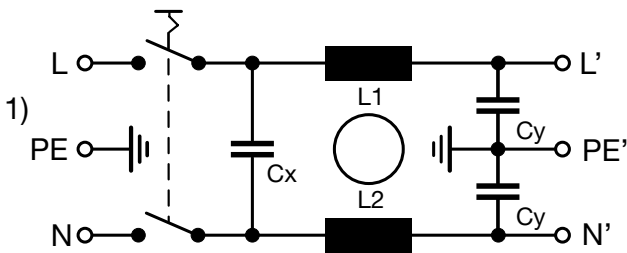
Technical Data of Filter-Components

| Rated Current [A] | Filter-Type | Inductances L [mH] | Capacitance CX [nF] | Capacitance CY [nF] | R [M Ω] |
|-------------------|----------------------|--------------------|---------------------|---------------------|-----------------|
| 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 |

Diagrams

Standard version

Medical version (M5)



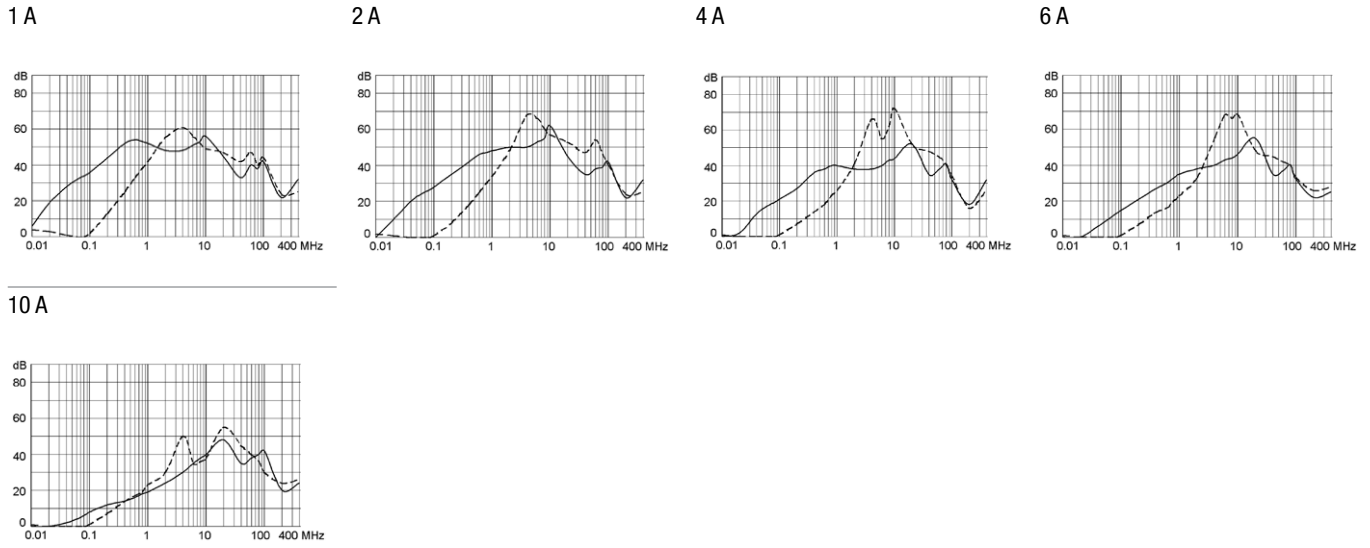
1) Line
2) Load

1) Line
2) Load

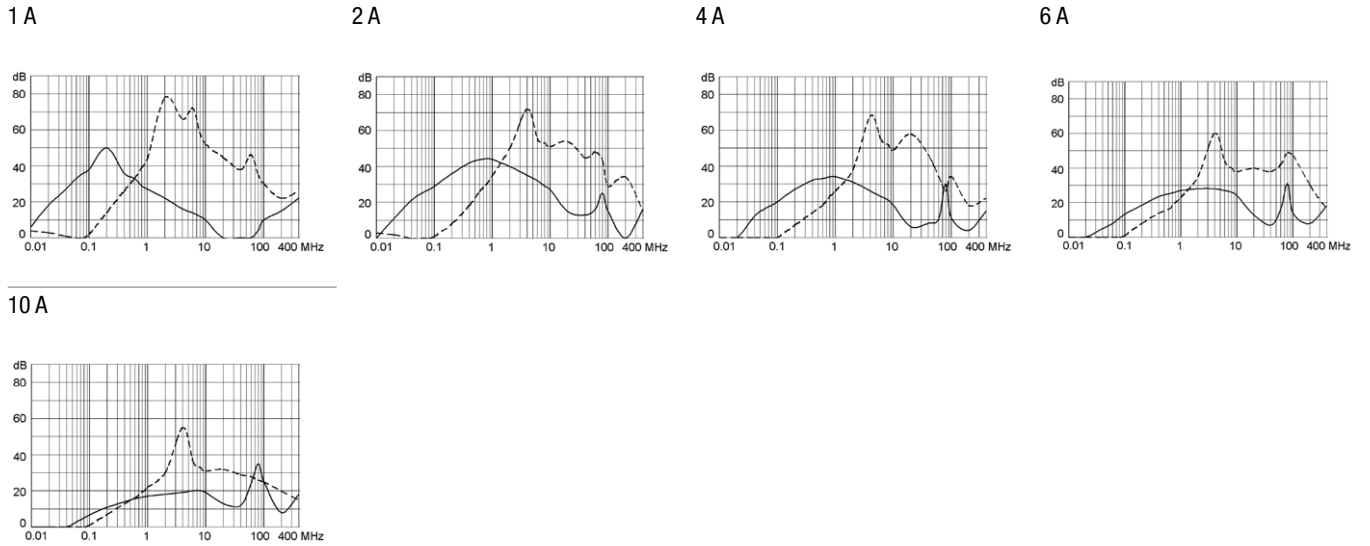
Attenuation Loss

--- 50Ω differential mode ____ 50Ω common mode

Standard version



Medical version (M5)



All Variants

| Rated Current [A] | Filter-Type | Order Number |
|-------------------|----------------------|--------------|
| 1 | Standard Version | 4302.5311 |
| 2 | Standard Version | 4302.5312 |
| 4 | Standard Version | 4302.5313 |
| 6 | Standard Version | 4302.5314 |
| 10 | Standard Version | 4302.5315 |
| 1 | Medical Version (M5) | 4302.5331 |
| 2 | Medical Version (M5) | 4302.5333 |
| 4 | Medical Version (M5) | 4302.5335 |
| 6 | Medical Version (M5) | 4302.5337 |
| 10 | Medical Version (M5) | 4302.5339 |

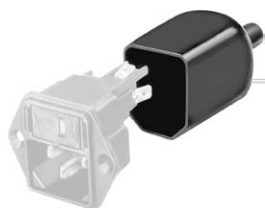
Most Popular.

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
 Rear Cover

0859.0072



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 KFB2

Connector Overview complete



| | |
|---|---------|
| 4782 Mounting: Power Cord, 3 x 1 mm ² / 3 x 18 AWG, Cable, Connector: IEC C13 | 4782 |
| 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 |
| IEC Connector C15 for hot conditions 120°C, Rewireable, Straight | 4781 |
| IEC Connector C15 for hot conditions 120°C, Rewireable, Angled | 4784 |

Connector further types to KFB2

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Mouser Electronics

Authorized Distributor

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

Schurter:

[4302.5339](#) [4302.5331](#) [4302.5313](#) [4302.5314](#) [4302.5335](#) [4302.5315](#) [4302.5337](#) [4302.5312](#) [4302.5311](#) [4302.5333](#)