

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

Standard- or Medical-Filter



Aluminum



Nickel plated steel



## Description

- Panel Mount:  
Screw-on mounting from front side
- 4 Functions:  
Appliance Inlet Protection class I, Line Switch 2-pole, Fuseholder for fuse-links 5 x 20 mm 2-pole, Line filter in standard and medical version
- Quick connect terminals 6.3 x 0.8 mm

## Approvals

- VDE Certificate Number: 40004665
- UL File Number: E72928

## Characteristics

- Compact design with optimal shielding
- All single elements are already wired
- Plug removal necessary for fuse-link replacement  
If the power entry module is installed as normal, it is not possible to touch any live parts with the test-finger according to IEC60529  
Fuse drawer meets requirements of medical standard IEC/EN 60601-1  
The fuseholder is accessible from the equipment front
- 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

## Other versions on request

- Medical version M80

## Weblinks

[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Detailed request for product](#)

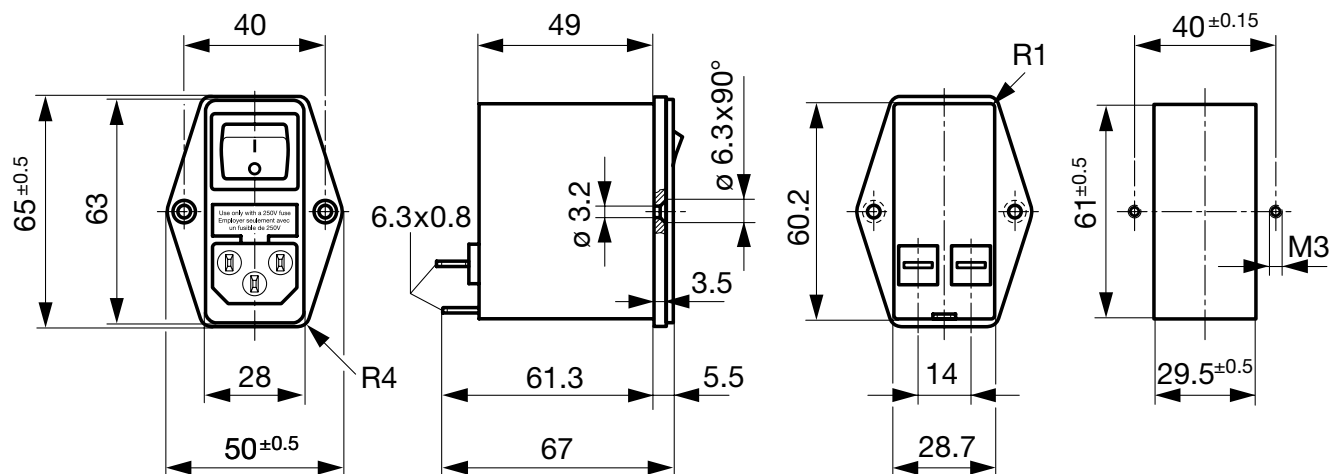
## Technical Data

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Ratings IEC               | 1 - 10A @ Ta 40 °C / 250 VAC; 50Hz                                          |
| Ratings UL/CSA            | 1 - 10A @ Ta 40 °C / 125 VAC; 60Hz                                          |
| Leakage Current           | standard < 0.25 mA (250 V / 60Hz)<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 Temp. | -25 °C to 85 °C                                                             |
| Climatic Category         | 25/085/21 acc. to IEC 60068-1                                               |
| Degree of 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                         |
| Material: Housing         | Thermoplastic, black, UL 94V-0                                              |

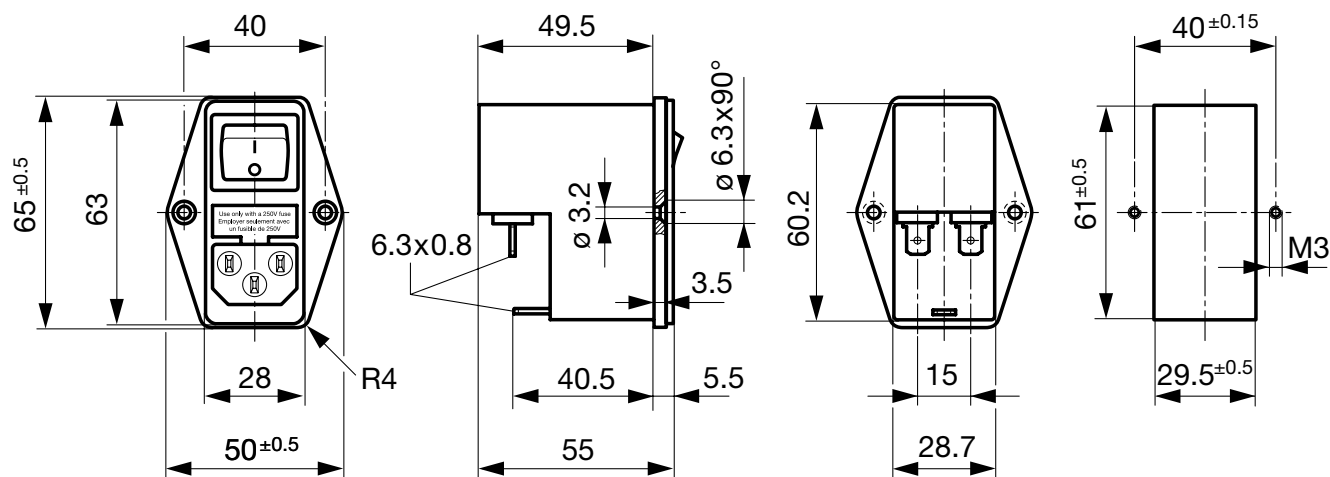
|                                   |                                                                                                                      |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Appliance-Inlet/-Outlet           | C14 acc. to IEC 60320, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class I |
| Fuseholder                        | 2-pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20mm                                          |
| Rated Power Acceptance @ Ta 23 °C | 5 x 20: 1.6W (2-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<br><a href="#">Technical Details</a>                                    |
| Line Filter                       | Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8<br><a href="#">Technical Details</a>               |
| MTBF                              | > 1'700'000 h acc. to MIL-HB-217 F                                                                                   |

## Dimension

## Case 45



## Case 50

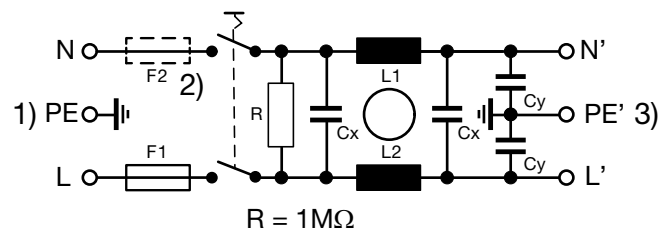


## Technical Data of Filter-Components

| Rated Current<br>[A] | Filter-Type          | Inductances<br>L [mH] | Capacitance<br>CX [nF] | Capacitance<br>CY [nF] | R [MΩ] |
|----------------------|----------------------|-----------------------|------------------------|------------------------|--------|
| 1                    | Standard Version     | 2 x 10                | 68                     | 2.2                    | 1      |
| 2                    | Standard Version     | 2 x 4                 | 68                     | 2.2                    | 1      |
| 4                    | Standard Version     | 2 x 1.5               | 68                     | 2.2                    | 1      |
| 6                    | Standard Version     | 2 x 0.8               | 68                     | 2.2                    | 1      |
| 10                   | Standard Version     | 2 x 0.3               | 68                     | 2.2                    | 1      |
| 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      |

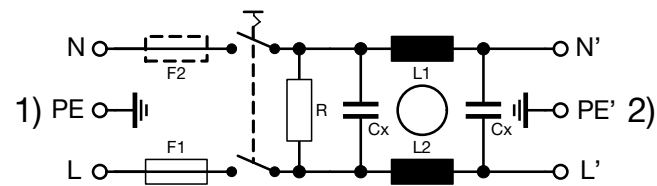
## Diagrams

Standard version



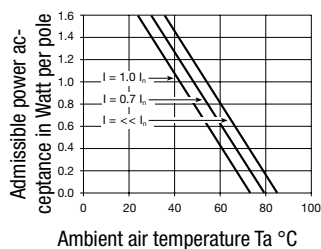
- 1) Line
- 2) only FKI
- 3) Load

Medical version



## Derating Curves

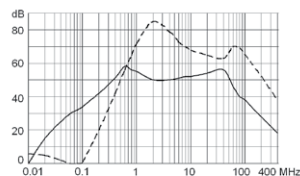
2-pole



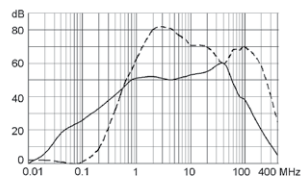
## Attenuation Loss

Standard version

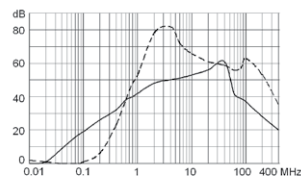
1 A



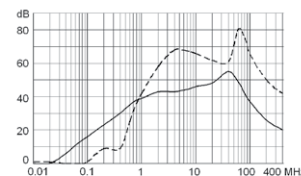
2 A



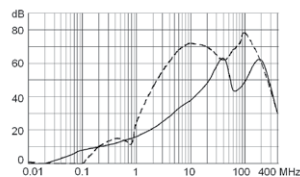
4 A



6 A



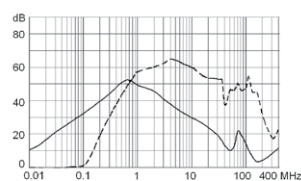
10 A



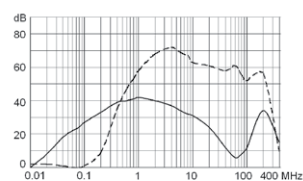
--- differential mode    — common mode

Medical version (M5)

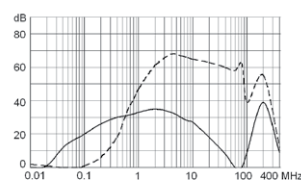
1 A



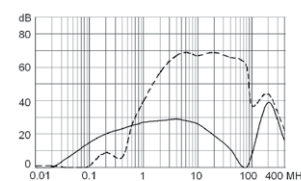
2 A



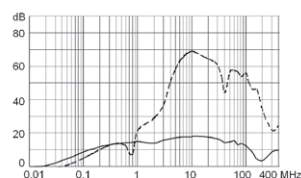
4 A



6 A



10 A



## Variants

| Type | Rated Current [A] | Filter-Type          | Fuseholder | Line Switch | Housing | Material: Housing   | Order Number |
|------|-------------------|----------------------|------------|-------------|---------|---------------------|--------------|
| FKI  | 1                 | Standard Version     | 2-pole     | 2-pole      | 45      | Aluminum            | 4304.4061    |
| FKI  | 2                 | Standard Version     | 2-pole     | 2-pole      | 45      | Aluminum            | 4304.4062    |
| FKI  | 4                 | Standard Version     | 2-pole     | 2-pole      | 45      | Aluminum            | 4304.4063    |
| FKI  | 6                 | Standard Version     | 2-pole     | 2-pole      | 45      | Aluminum            | 4304.4064    |
| FKI  | 10                | Standard Version     | 2-pole     | 2-pole      | 45      | Aluminum            | 4304.4065    |
| FKI  | 1                 | Medical Version (M5) | 2-pole     | 2-pole      | 45      | Aluminum            | 4304.4091    |
| FKI  | 2                 | Medical Version (M5) | 2-pole     | 2-pole      | 45      | Aluminum            | 4304.4092    |
| FKI  | 4                 | Medical Version (M5) | 2-pole     | 2-pole      | 45      | Aluminum            | 4304.4093    |
| FKI  | 6                 | Medical Version (M5) | 2-pole     | 2-pole      | 45      | Aluminum            | 4304.4094    |
| FKI  | 10                | Medical Version (M5) | 2-pole     | 2-pole      | 45      | Aluminum            | 4304.4095    |
| FKI  | 1                 | Standard Version     | 2-pole     | 2-pole      | 50      | Nickel plated steel | 4304.4021    |
| FKI  | 2                 | Standard Version     | 2-pole     | 2-pole      | 50      | Nickel plated steel | 4304.4022    |
| FKI  | 4                 | Standard Version     | 2-pole     | 2-pole      | 50      | Nickel plated steel | 4304.4023    |
| FKI  | 6                 | Standard Version     | 2-pole     | 2-pole      | 50      | Nickel plated steel | 4304.4024    |
| FKI  | 10                | Standard Version     | 2-pole     | 2-pole      | 50      | Nickel plated steel | 4304.4025    |
| FKI  | 1                 | Medical Version (M5) | 2-pole     | 2-pole      | 50      | Nickel plated steel | 4304.4066    |
| FKI  | 2                 | Medical Version (M5) | 2-pole     | 2-pole      | 50      | Nickel plated steel | 4304.4067    |
| FKI  | 4                 | Medical Version (M5) | 2-pole     | 2-pole      | 50      | Nickel plated steel | 4304.4068    |
| FKI  | 6                 | Medical Version (M5) | 2-pole     | 2-pole      | 50      | Nickel plated steel | 4304.4069    |
| FKI  | 10                | Medical Version (M5) | 2-pole     | 2-pole      | 50      | Nickel plated steel | 4304.4070    |

Most Popular.

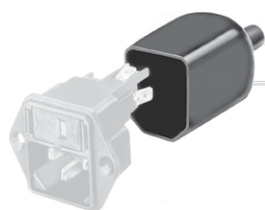
Availability for all products can be searched real-time: <http://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>

Packaging unit

10 Pcs

## Accessories

### Description



Assorted Covers  
Rear Cover

## 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 FKI](#)



#### Connector Overview complete

|                                          |        |
|------------------------------------------|--------|
| IEC Connector C15A, Rewireable, Straight | 0102   |
| IEC Connector C15A, Rewireable, Straight | 0102-G |
| IEC Connector C15A, Rewireable, Angled   | 0112   |
| IEC Connector C13, Rewireable, Angled    | 4012   |
| IEC Connector C13, Rewireable, Straight  | 4022   |

[Connector further types to FKI](#)