

IEC Appliance Inlet C14 with Filter, Fuseholder 1- or 2-pole (5x20 mm or 6.3x32 mm), optional Voltage Selector (step switch)

Standard- or Medical-Filter



V-Lock



with voltage selector



without voltage selector



### Description

- Panel Mount:  
Screw-on mounting from front side
- 4 Functions:  
Appliance Inlet Protection class I, 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
- Quick connect terminals 4.8 x 0.8 mm

### Approvals

- VDE Certificate Number: 40004665 (FKO, FKP, FKQ, FKR)
- UL File Number: E72928 (FKO, FKP, FKQ, FKR)

### Characteristics

- All single elements are already wired
- The fuse drawer "Fingerrip" can be removed by hand  
For added safety "Extra-Safe" fuse drawers are available  
Fuse drawer meets requirements of medical standard IEC/EN 60601-1  
The fuse drawer can only be opened with the aid of a tool  
The fuseholder is accessible from the equipment front
- 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

- Variant with notch for V-Lock mating Cordsets

### References

- Alternative: version without line filter [KEC](#)
- Alternative: Standard version

### Weblinks

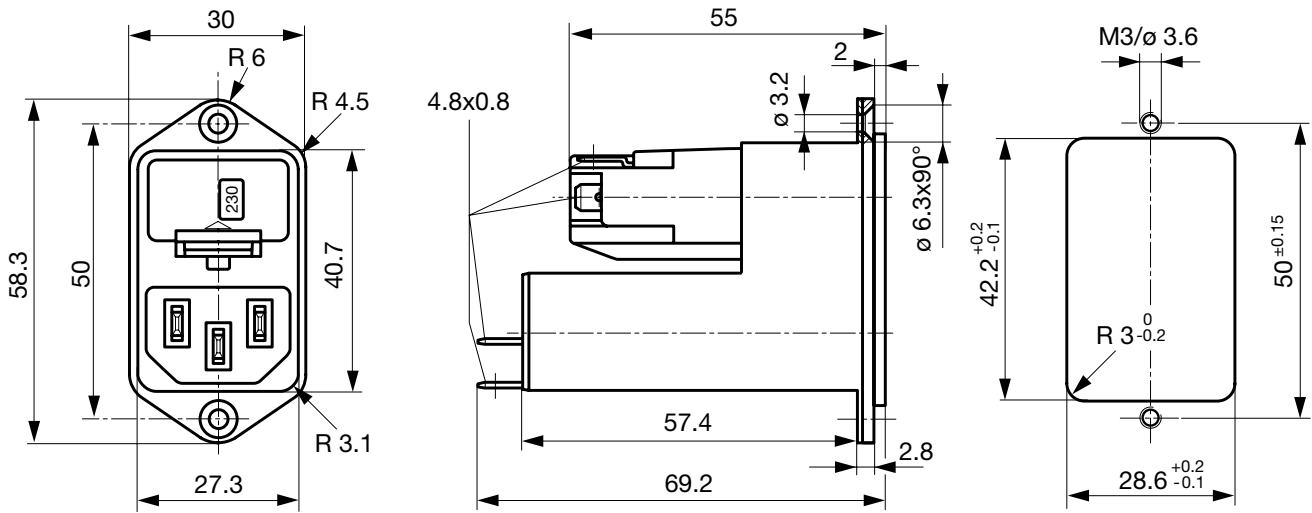
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Mounting instruction](#),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

Newly available variants corresponding to V-Lock mating cordset. 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.

### Technical Data

|                           |   |                                   |  |
|---------------------------|---|-----------------------------------|--|
| Ratings IEC               | 1 - 10A @ Ta 40 °C / 250VAC; 50Hz   | Appliance-Inlet/-Outlet           | C14 acc. to IEC 60320,   |
| Ratings UL/CSA            | 1 - 10A @ Ta 40 °C / 125VAC; 60Hz   |                                   | UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class I          |
| Leakage Current           | standard < 0.5 mA (250 V / 60Hz)<br>medical < 5 µA (250 V / 60 Hz)          | Fuseholder                        | 1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6,<br>for fuse-links 5 x 20 or 6.3 x 32 mm       |
| Dielectric Strength       | > 1.7 kVDC between L-N<br>> 2.7 kVDC between L/N-PE<br>Test voltage (2 sec) | Rated Power Acceptance @ Ta 23 °C | 5 x 20: 2.5W (1 pole)/ 2W (2-pole) per pole<br>6.3 x 32: 3.15W (1 pole)/ 2.5W (2-pole) per pole        |
| Allowable Operation Temp. | -25 °C to 85 °C   | Power Acceptance @ Ta > 23 °C     | Admissible power acceptance at higher ambient temperature see derating curves                          |
| Climatic Category         | 25/085/21 acc. to IEC 60068-1   | Voltage Selector                  | optional, step, 3 pos.   |
| Degree of Protection      | from front side IP 40 acc. to IEC 60529                                     | Line Filter                       | Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8<br><a href="#">Technical Details</a> |
| Protection Class          | Suitable for appliances with protection class I acc. to IEC 61140           | MTBF                              | > 1'700'000h acc. to MIL-HB-217 F  |
| Terminal                  | Quick connect terminals 4.8 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  |                                   |  |

## Dimensions



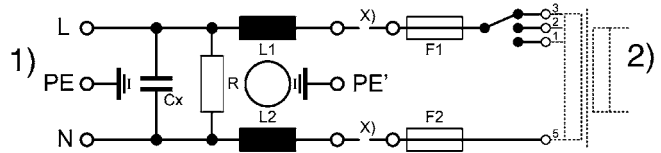
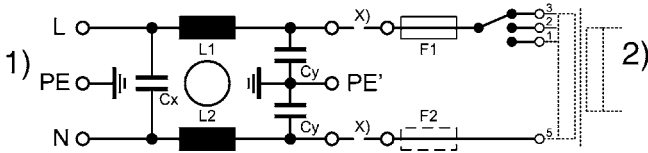
## Technical Data of Filter-Components

| Rated Current [A] | Filter-Type                  | Inductances L [mH] | Capacitance CX [nF] | Capacitance CY [nF] | R [M $\Omega$ ] |
|-------------------|------------------------------|--------------------|---------------------|---------------------|-----------------|
| 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               |
| 10                | Standard and Medical Version | 2 x 0.3            | 68                  | 2.2                 | 1               |

## Diagrams

Standard version with voltage selector

Medical version with voltage selector



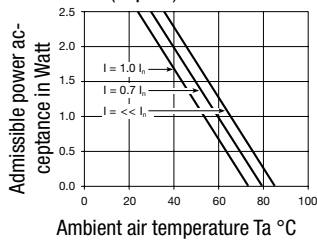
x) external connection to be made by the customer  
 1) Line  
 2) Load

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 1) Line  
 2) Load

**Derating Curves**

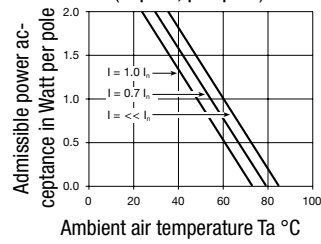
Fuses

5 x 20 mm (1-pole)



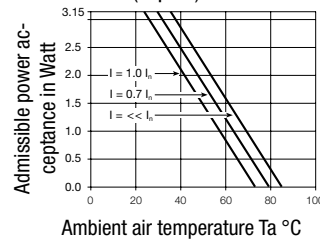
Fuses

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



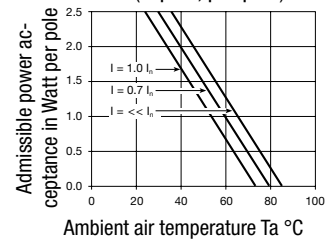
Fuses

6.3 x 32 mm (1-pole)



Fuses

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

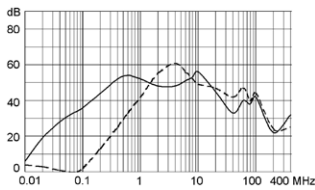


**Attenuation Loss**

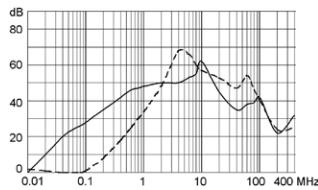
--- differential mode    \_\_\_\_ common mode

Standard version

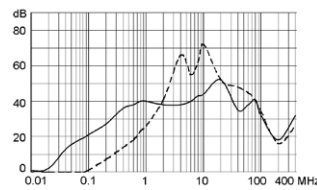
1 A



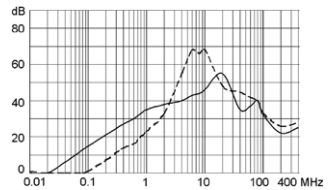
2 A



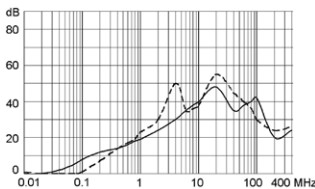
4 A



6 A

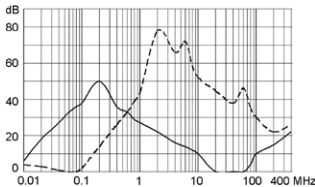


10 A

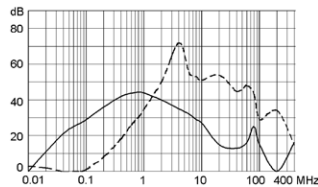


Medical version (M5)

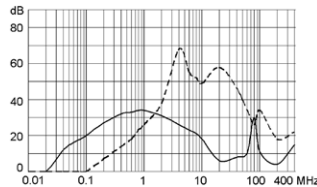
1 A



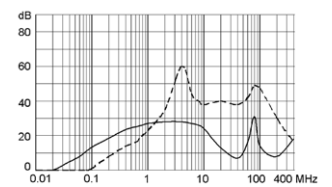
2 A



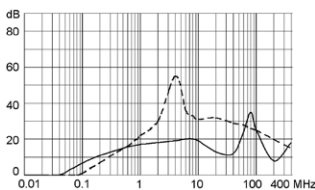
4 A



6 A



10 A



## Variants

Fuse drawer must be ordered separately (see accessories).

| Rated Current [A] | Filter-Type          | Fuseholder | Voltage Selector | Order Number |
|-------------------|----------------------|------------|------------------|--------------|
| 1                 | Standard Version     | 1-pole     | -                | 4303.5011    |
| 2                 | Standard Version     | 1-pole     | -                | 4303.5012    |
| 4                 | Standard Version     | 1-pole     | -                | 4303.5013    |
| 6                 | Standard Version     | 1-pole     | -                | 4303.5014    |
| 10                | Standard Version     | 1-pole     | -                | 4303.5015    |
| 1                 | Standard Version     | 1-pole     | 3 pos.           | 4303.5031    |
| 2                 | Standard Version     | 1-pole     | 3 pos.           | 4303.5032    |
| 4                 | Standard Version     | 1-pole     | 3 pos.           | 4303.5033    |
| 6                 | Standard Version     | 1-pole     | 3 pos.           | 4303.5034    |
| 10                | Standard Version     | 1-pole     | 3 pos.           | 4303.5035    |
| 1                 | Standard Version     | 2-pole     | -                | 4303.5001    |
| 2                 | Standard Version     | 2-pole     | -                | 4303.5002    |
| 4                 | Standard Version     | 2-pole     | -                | 4303.5003    |
| 6                 | Standard Version     | 2-pole     | -                | 4303.5004    |
| 10                | Standard Version     | 2-pole     | -                | 4303.5005    |
| 1                 | Standard Version     | 2-pole     | 3 pos.           | 4303.5021    |
| 2                 | Standard Version     | 2-pole     | 3 pos.           | 4303.5022    |
| 4                 | Standard Version     | 2-pole     | 3 pos.           | 4303.5023    |
| 6                 | Standard Version     | 2-pole     | 3 pos.           | 4303.5024    |
| 10                | Standard Version     | 2-pole     | 3 pos.           | 4303.5025    |
| 1                 | Medical Version (M5) | 2-pole     | 3 pos.           | 4303.5221    |
| 2                 | Medical Version (M5) | 2-pole     | 3 pos.           | 4303.5223    |
| 4                 | Medical Version (M5) | 2-pole     | 3 pos.           | 4303.5225    |
| 6                 | Medical Version (M5) | 2-pole     | 3 pos.           | 4303.5227    |
| 10                | Medical Version (M5) | 2-pole     | 3 pos.           | 4303.5229    |

■ 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

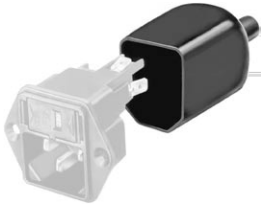
## Required Accessory

### Description



**Fusedrawer 3**  
Fusedrawer for Fuse Links 5x20 mm resp. 6.3x32 mm

Accessories



Assorted Covers  
Rear Cover



Cord retaining kits  
Cord retaining strain relief

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 KFC](#)

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 KFC](#)