

IEC Appliance Inlet C14 with Filter, Fuseholder 1-or 2-pole (5 x 20 mm or 6.3x32 mm, with or without voltage selector (series-parallel)

Standard- or Medical-Filter



V-Lock



Fuse drawer and voltage selector insert must be ordered separately.



### Description

- Panel Mount:  
Screw-on mounting from front side
- 4 Functions:  
Appliance Inlet, Fuseholder with interchangeable fuse drawer for Fuse-links 5 x 20 mm or 6.3 x 32 mm 1- or 2-pole, Voltage Selectors (series-parallel), Line filter in standard and medical version
- Quick connect terminals 4.8 x 0.8 mm

### Approvals

- VDE Certificate Number: 40004665 (FKA, FKB)
- UL File Number: E72928 (FKA, FKB)

### Characteristics

- All single elements are already partially wired
- 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
- Qualified for use in equipment according IEC/EN 60950

### References

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

### Weblinks

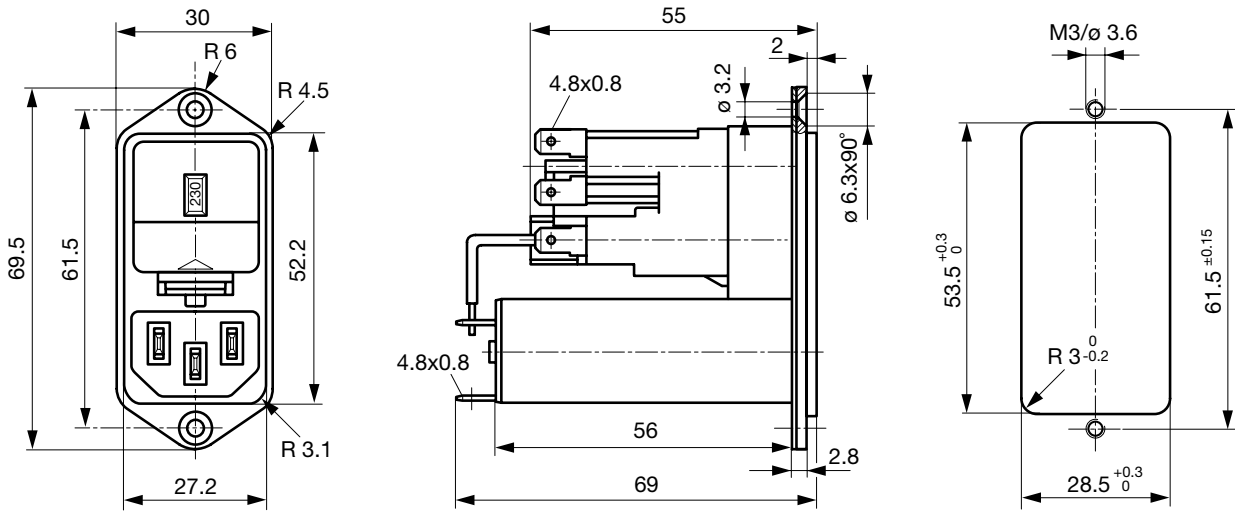
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Detailed request 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 / 250 VAC; 50Hz  | 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                    |
| Ratings UL/CSA            | 1 - 10A @ Ta 40 °C / 125 VAC; 60Hz  | Fuseholder                        | 1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20 or 6.3 x 32 mm   |
| Leakage Current           | standard < 0.5 mA (250 V / 60 Hz)<br>medical < 5 µA (250 V / 60 Hz)         | 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   |
| Dielectric Strength       | > 1.7 kVDC between L-N<br>> 2.7 kVDC between L/N-PE<br>Test voltage (2 sec) | Power Acceptance @ Ta > 23°C      | Admissible power acceptance at higher ambient temperature see derating curves   |
| Allowable Operation Temp. | -25 °C to 85 °C   | Voltage Selectors                 | series-parallel, 4, 3 or 2 switch positions or usable as 2-pole change-over switch  |
| Climatic Category         | 25/085/21 acc. to IEC 60068-1   | Line Filter                       | Standard and Medical Version, IEC 60939, IEC 60601-1, UL 1283, UL 544, EN 133 200, CSA C22.2 no. 8<br><a href="#">Technical Details</a> |
| Degree of Protection      | from front side IP 40 acc. to IEC 60529                                     | MTBF                              | > 1'400'000 h acc. to MIL-HB-217 F  |
| Protection Class          | Suitable for appliances with protection class I acc. to IEC 61140           |                                   |   |
| 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



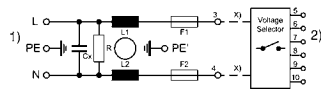
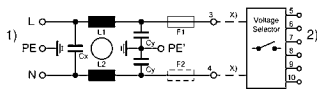
Technical Data of Filter-Components

| Rated Current [A] | Filter-Type           | Inductances L [mH] | Capacitance CX [nF] | Capacitance CY [nF] | R [MΩ] |
|-------------------|-----------------------|--------------------|---------------------|---------------------|--------|
| 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      |
| 2                 | Medical Version (M80) | 2 x 4              | 68                  | 0.47                | 1      |

Diagrams

Standard version

Medical version



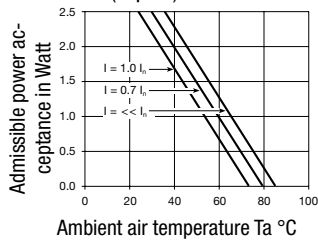
- 1) Line
- 2) Load
- x) External connection to be made by the customer

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- 2) Load
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**Derating Curves**

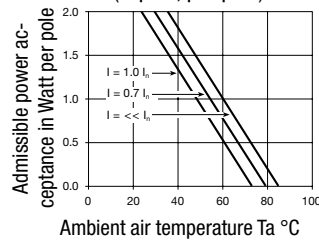
Fuses

5 x 20 mm (1-pole)



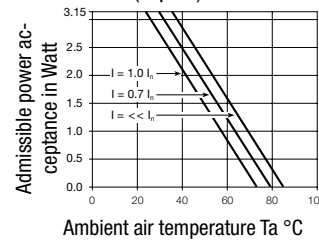
Fuses

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



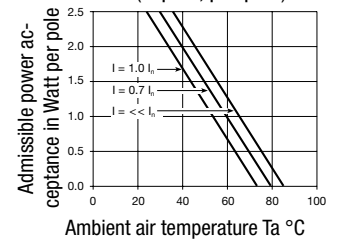
Fuses

6.3 x 32 mm (1-pole)



Fuses

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

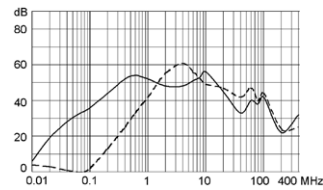


**Attenuation Loss**

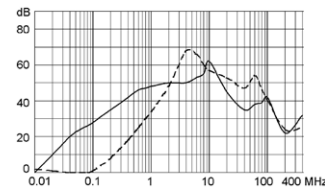
Standard version

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

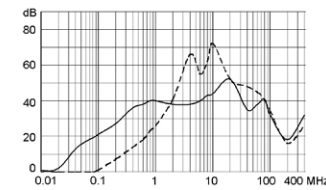
1 A



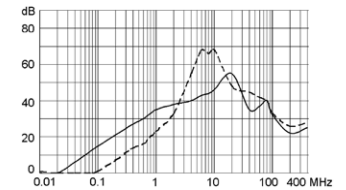
2 A



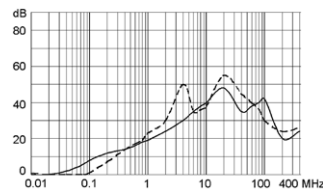
4 A



6 A

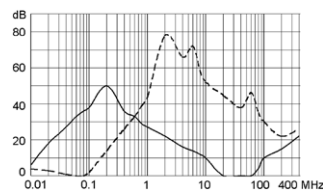


10 A

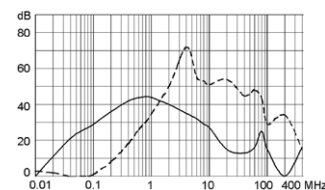


Medical version (M5)

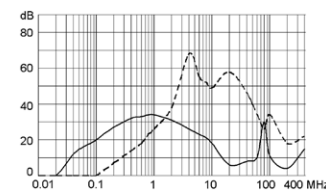
1 A



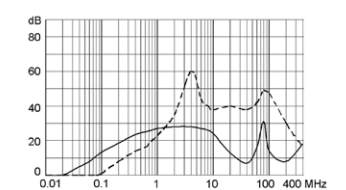
2 A



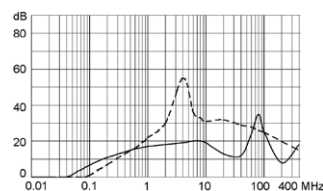
4 A



6 A



10 A



**Variants**

Fuse drawer and voltage selector insert must be ordered separately.

| Rated Current [A] | Filter-Type          | Fuseholder | Order Number  |
|-------------------|----------------------|------------|---------------|
| 1                 | Standard Version     | 1-pole     | CE16.5100.151 |
| 2                 | Standard Version     | 1-pole     | CE26.5100.151 |
| 4                 | Standard Version     | 1-pole     | CE36.5100.151 |
| 6                 | Standard Version     | 1-pole     | CE46.5100.151 |
| 10                | Standard Version     | 1-pole     | CE66.5100.151 |
| 1                 | Standard Version     | 2-pole     | CE10.6100.151 |
| 2                 | Standard Version     | 2-pole     | CE20.6100.151 |
| 4                 | Standard Version     | 2-pole     | CE30.6100.151 |
| 6                 | Standard Version     | 2-pole     | CE40.6100.151 |
| 10                | Standard Version     | 2-pole     | CE60.6100.151 |
| 1                 | Medical Version (M5) | 2-pole     | CEG0.6100.151 |
| 2                 | Medical Version (M5) | 2-pole     | CEA0.6100.151 |
| 4                 | Medical Version (M5) | 2-pole     | CEC0.6100.151 |
| 6                 | Medical Version (M5) | 2-pole     | CEE0.6100.151 |
| 10                | Medical Version (M5) | 2-pole     | CEL0.6100.151 |

**Packaging unit** 10 Pcs

**Required Accessory**

**Description**



**Jumper Wire 1**  
Connection with Stranded Cable

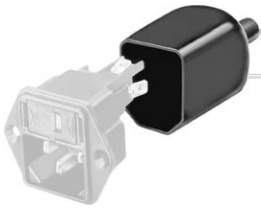


**Fusedrawer 1**  
Fusedrawer for Fuse Links 5x20mm resp.. 6.3x32mm



**Voltage Selectors Insert 1**  
Voltage Selector Insert to KE, CE, KG, CG

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 |
| IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder or Quick-connect Terminal      | 5092 |

Appliance Outlet further types to CE

Connector Overview complete



|  |        |
|--|--------|
| IEC Connector C15, Rewireable, Straight  | 0101   |
| 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   |

Connector further types to CE

Power Cord Overview complete



|   |      |
|---|------|
| Power Cord with IEC Connector C13, Angled | 0311 |
| Power Cord with IEC Connector C13, Angled | 3011 |
| Power Cord with IEC Connector C13, Angled | 3012 |
| Power Cord with IEC Connector C13, Angled | 3013 |
| Power Cord with IEC Connector C13         | 3020 |

Power Cord further types to CE