

IEC Appliance Inlet C14 with Filter, Fuseholder 1- or 2-pole (5x20 mm or 6.3x32 mm), Line Switch 1- or 2-pole, Voltage Selector (Series-Parallel)

Standard- or Medical-Filter



V-Lock



C14  
70 °C



### Description

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

### Approvals

- VDE Certificate Number: 40004665 (FKSA, FKSB)
- UL File Number: E72928 (FKSA, FKSB)

### 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
- Suitable for use in equipment according to IEC 60950

### References

Alternative: version without line filter [KG](#)

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](#)

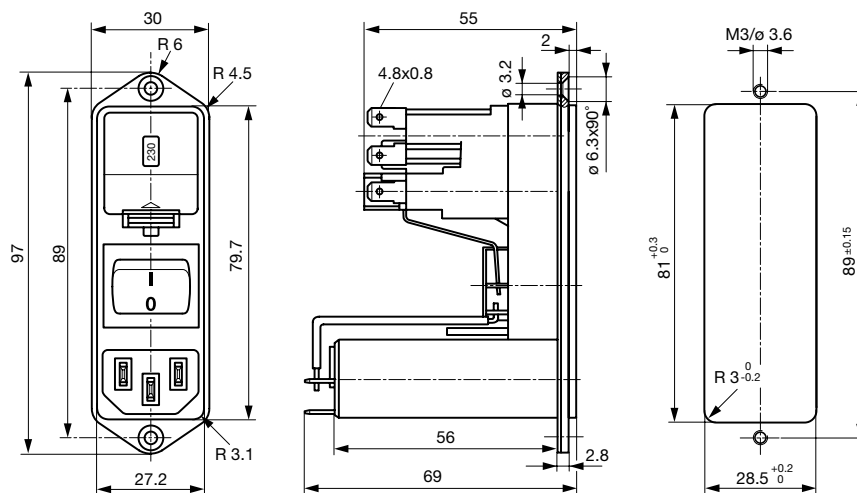
Newly available variants corresponding to V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

### Technical Data

|                           |                                                                             |                                   |                                                                                                                                         |
|---------------------------|-----------------------------------------------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Ratings IEC               | 1 - 10A @ Ta 40 °C / 250VAC; 50Hz                                           | Appliance-Inlet/-Outlet           | C14 acc. to IEC 60320, 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                                           | 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 / 60Hz)<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                                                               | Line Switch                       | 2-pole, non-illuminated, acc. to IEC 61058-1<br><a href="#">Technical Details</a>                                                       |
| Climatic Category         | 25/085/21 acc. to IEC 60068-1                                               | Voltage Selector                  | series-parallel, 4, 3 or 2 switch positions or usable as 2-pole change-over switch                                                      |
| Degree of Protection      | from front side IP 40 acc. to IEC 60529                                     | 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> |
| Protection Class          | Suitable for appliances with protection class I acc. to IEC 61140           | MTBF                              | > 1'100'000h 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

CG



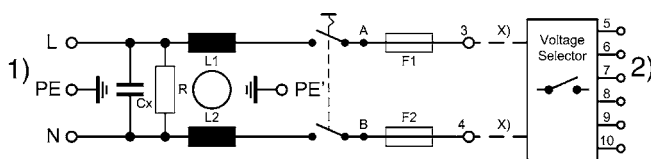
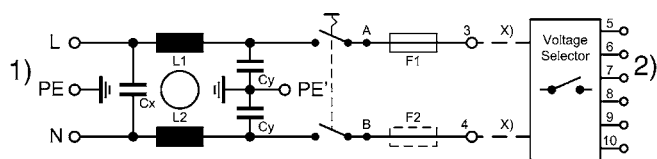
## Technical Data of Filter-Components

| 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                    | -      |
| 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  
with fuseholder 1- or 2-pole

Medical version  
with fuseholder 2-pole



x) external connection to be made by the customer

- 1) Line  
2) Load

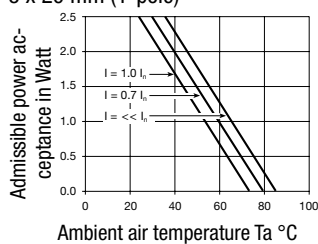
x) external connection to be made by the customer

- 1) Line  
2) Load

## Derating Curves

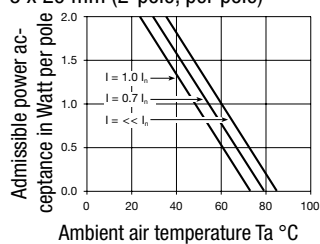
Fuses

5 x 20 mm (1-pole)



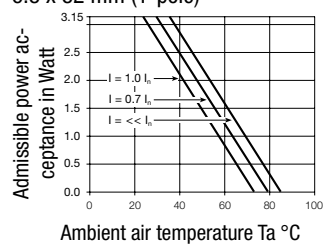
Fuses

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



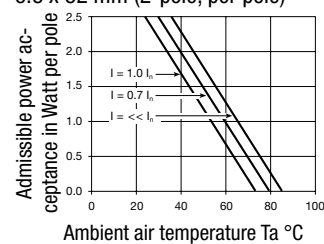
Fuses

6.3 x 32 mm (1-pole)



Fuses

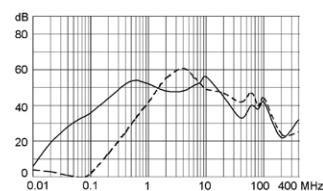
6.3 x 32 mm (2-pole, per pole)



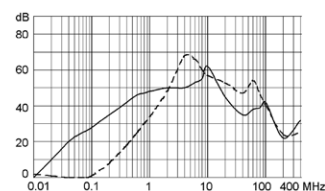
## Attenuation Loss

Standard version

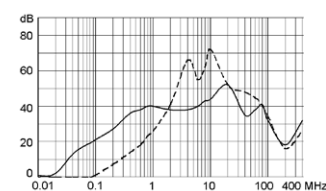
1 A



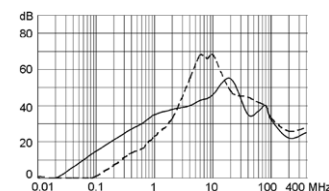
2 A



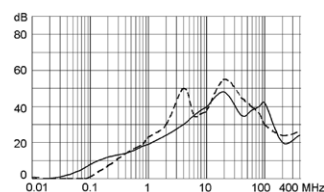
4 A



6 A

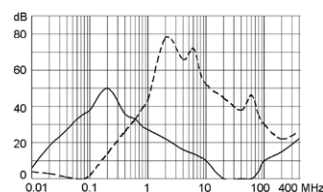


10 A

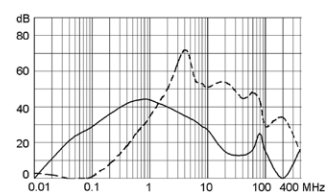


Medical version (M5)

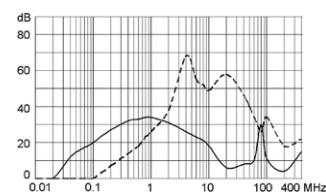
1 A



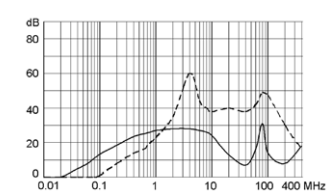
2 A



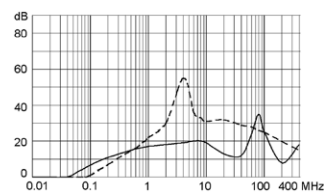
4 A



6 A



10 A



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

## Variants

Fuse drawer and voltage selector insert must be ordered separately.

| Type | Rated Current [A] | Filter-Type          | Fuseholder | Line Switch | Line Switch | Order Number  |
|------|-------------------|----------------------|------------|-------------|-------------|---------------|
| CG   | 1                 | Standard Version     | 1-pole     | 2-pole      | -           | CG16.5101.151 |
| CG   | 2                 | Standard Version     | 1-pole     | 2-pole      | -           | CG26.5101.151 |
| CG   | 4                 | Standard Version     | 1-pole     | 2-pole      | -           | CG36.5101.151 |
| CG   | 6                 | Standard Version     | 1-pole     | 2-pole      | -           | CG46.5101.151 |
| CG   | 10                | Standard Version     | 1-pole     | 2-pole      | -           | CG66.5101.151 |
| CG   | 1                 | Standard Version     | 2-pole     | 2-pole      | -           | CG10.6101.151 |
| CG   | 2                 | Standard Version     | 2-pole     | 2-pole      | -           | CG20.6101.151 |
| CG   | 4                 | Standard Version     | 2-pole     | 2-pole      | -           | CG30.6101.151 |
| CG   | 6                 | Standard Version     | 2-pole     | 2-pole      | -           | CG40.6101.151 |
| CG   | 10                | Standard Version     | 2-pole     | 2-pole      | -           | CG60.6101.151 |
| CG   | 1                 | Medical Version (M5) | 2-pole     | 2-pole      | -           | CGG0.6101.151 |
| CG   | 2                 | Medical Version (M5) | 2-pole     | 2-pole      | -           | CGA0.6101.151 |
| CG   | 4                 | Medical Version (M5) | 2-pole     | 2-pole      | -           | CGC0.6101.151 |
| CG   | 6                 | Medical Version (M5) | 2-pole     | 2-pole      | -           | CGE0.6101.151 |
| CG   | 10                | Medical Version (M5) | 2-pole     | 2-pole      | -           | CGL0.6101.151 |

**Packaging unit** 5 Pcs

## Required Accessory

### Description



**Jumper Wire 1**  
Connection with Stranded Cable

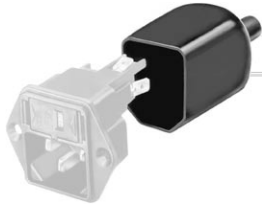


**Fusedrawer 1**  
Fusedrawer for Fuse Links 5x20mm resp.. 6.3x32mm



**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 |

[Appliance Outlet further types to CG](#)



#### 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 CG](#)