

IEC Appliance Inlet C14 with Filter, Fuseholder 1- or 2-pole, Line Switch 2-pole

Standard- or Medical-Filter



C14



70° C



### Description

- Panel Mount:  
Screw-on from front side
- 4 Functions:  
Appliance Inlet Protection class I, Line Switch 2-pole, Fuseholder for fuse-links 5 x 20 mm 1- or 2-pole, Line filter in standard and medical version
- Quick connect terminals 6.3 x 0.8 mm

### Approvals

- VDE Certificate Number: 40001522
- UL File Number: E72928

### Characteristics

- Ultra-compact design. Ideal for low profile designs
- Aluminum case provides good shielding
- All single elements are already wired
- Fuse drawer meets requirements of medical standard IEC/EN 60601-1  
The fuseholder is accessible from the equipment front  
For added safety "Extra-Safe" fuse drawers are available
- Ideal for application with high transient loads
- Designed for standard and medical applications
- Qualified for use in equipment according IEC/EN 60950

### Other versions on request

- Solder terminals
- Fuse drawer 1-pole, plus spare fuse case
- Fuse drawer 2-pole, with shorting bar
- Other rocker marking
- Line switch, illuminated
- Line switch 1-pole
- Medical version M80
- Class X1- and Y1-capacitors for enhanced withstand voltage
- Protection class II, 70°C

### References

Alternative: version without line filter [DD11](#)Alternative: version for snap-in mounting [KMF](#)

Alternative: Standard version

### Weblinks

[pdf pdf data sheet](#), [html data sheet](#), [General Product Information](#), [Approvals](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Wire Harness](#), [Detailed request for product](#)

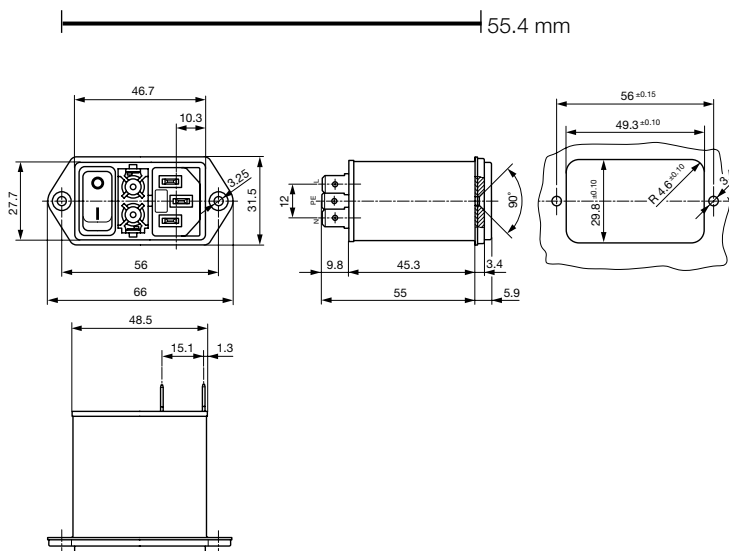
### Technical Data

|                           |                                                                                |
|---------------------------|--------------------------------------------------------------------------------|
| Ratings IEC               | 1 - 10A @ Ta 40 °C / 250VAC; 50Hz                                              |
| Ratings UL/CSA            | 1 - 8A @ Ta 40 °C / 250VAC; 60Hz                                               |
| Leakage Current           | standard < 0.5mA (250V / 60Hz)<br>medical < 5 µA (250 V / 60 Hz)               |
| Dielectric Strength       | > 1.7kVDC between L-N<br>> 2.7kVDC between L/N-PE<br>Test voltage (1 min/50Hz) |
| 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-on mounting: max 8mm<br>Mounting screw torque max 0.5Nm                  |
| Material: Housing         | Thermoplastic, black, UL 94V-0                                                 |

|                                   |                                                                                                                                         |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Appliance-Inlet/-Outlet           | C14 acc. to IEC/EN 60320-1<br>UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class I             |
| Fuseholder                        | 1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6,<br>for fuse-links 5 x 20mm                                                     |
| Rated Power Acceptance @ Ta 23 °C | 5 x 20: 2W (1 pole)/ 1.6W (2-pole) per pole                                                                                             |
| Power Acceptance @ Ta > 23°C      | Admissible power acceptance at higher ambient temperature see derating curves                                                           |
| Line Switch                       | Rocker switch 2-pole, non-illuminated, acc. to IEC 61058-1<br><a href="#">Technical Details</a>                                         |
| 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> |
| MTBF                              | > 2'000'000h acc. to MIL-HB-217 F                                                                                                       |

## Dimensions

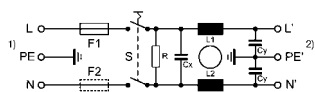
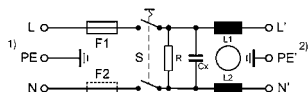
Screw version



## Technical Data of Filter-Components

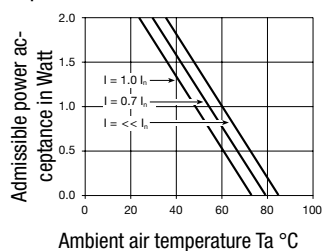
| Rated Current<br>[A] | Filter-Type          | Inductances<br>L [mH] | Capacitance<br>CX [nF] | Capacitance<br>CY [nF] | R [MΩ] |
|----------------------|----------------------|-----------------------|------------------------|------------------------|--------|
| 1                    | Standard Version     | 2 x 10                | 100                    | 2.2                    | 1      |
| 2                    | Standard Version     | 2 x 4                 | 100                    | 2.2                    | 1      |
| 4                    | Standard Version     | 2 x 1.5               | 100                    | 2.2                    | 1      |
| 6                    | Standard Version     | 2 x 0.8               | 100                    | 2.2                    | 1      |
| 8                    | Standard Version     | 2 x 0.6               | 100                    | 2.2                    | 1      |
| 10                   | Standard Version     | 2 x 0.3               | 100                    | 2.2                    | 1      |
| 1                    | Medical Version (M5) | 2 x 10                | 100                    | -                      | 1      |
| 2                    | Medical Version (M5) | 2 x 4                 | 100                    | -                      | 1      |
| 4                    | Medical Version (M5) | 2 x 1.5               | 100                    | -                      | 1      |
| 6                    | Medical Version (M5) | 2 x 0.8               | 100                    | -                      | 1      |
| 8                    | Medical Version (M5) | 2 x 0.6               | 100                    | -                      | 1      |
| 10                   | Medical Version (M5) | 2 x 0.3               | 100                    | -                      | 1      |

## Diagrams

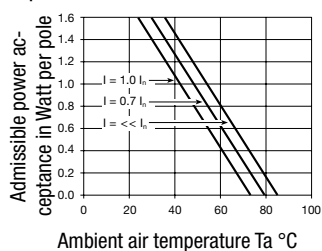
Standard version  
non illuminatedMedical version M5  
non illuminated1) Line  
2) Load1) Line  
2) Load

## Derating Curves

1-pole



2-pole

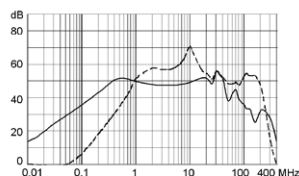


**Attenuation Loss**

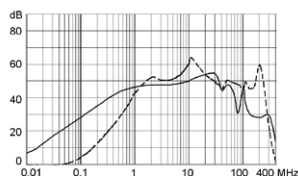
Standard version

- - - differential mode    — common mode

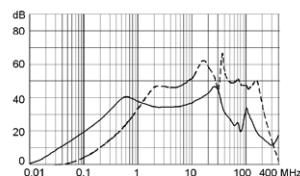
1 A



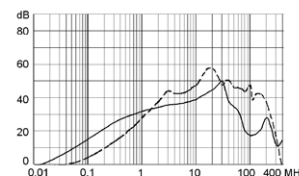
2 A



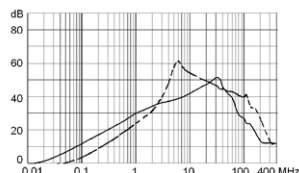
4 A



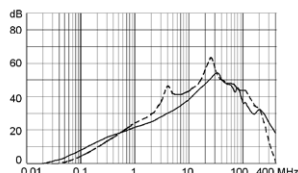
6 A



8 A

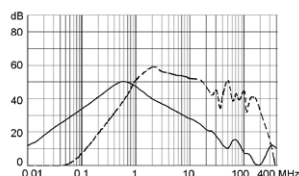


10 A

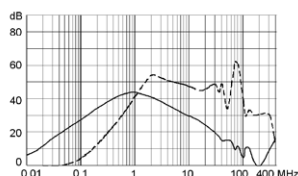


Medical version (M5)

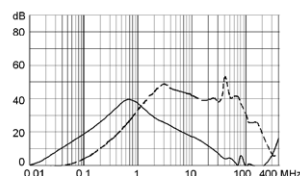
1 A



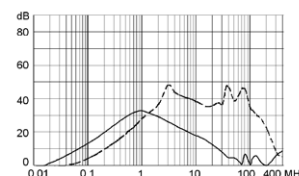
2 A



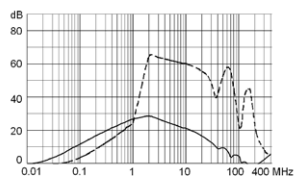
4 A



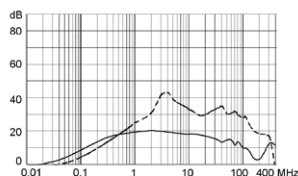
6 A



8 A



10 A

**Variants**

Fuse drawer must be ordered separately (see accessories).

Fingergrip and Extra Safe. The same drawer as used by type KEA.

| Rated Current<br>[A] | Filter-Type          | Fuseholder | Line Switch | Order Number  |
|----------------------|----------------------|------------|-------------|---------------|
| 1                    | Standard Version     | 1-pole     | 2-pole      | DD12.1111.111 |
| 2                    | Standard Version     | 1-pole     | 2-pole      | DD12.2111.111 |
| 4                    | Standard Version     | 1-pole     | 2-pole      | DD12.4111.111 |
| 6                    | Standard Version     | 1-pole     | 2-pole      | DD12.6111.111 |
| 8                    | Standard Version     | 1-pole     | 2-pole      | DD12.8111.111 |
| 10                   | Standard Version     | 1-pole     | 2-pole      | DD12.9111.111 |
| 1                    | Standard Version     | 2-pole     | 2-pole      | DD12.1121.111 |
| 2                    | Standard Version     | 2-pole     | 2-pole      | DD12.2121.111 |
| 4                    | Standard Version     | 2-pole     | 2-pole      | DD12.4121.111 |
| 6                    | Standard Version     | 2-pole     | 2-pole      | DD12.6121.111 |
| 8                    | Standard Version     | 2-pole     | 2-pole      | DD12.8121.111 |
| 10                   | Standard Version     | 2-pole     | 2-pole      | DD12.9121.111 |
| 1                    | Medical Version (M5) | 2-pole     | 2-pole      | DD12.1321.111 |
| 2                    | Medical Version (M5) | 2-pole     | 2-pole      | DD12.2321.111 |
| 4                    | Medical Version (M5) | 2-pole     | 2-pole      | DD12.4321.111 |
| 6                    | Medical Version (M5) | 2-pole     | 2-pole      | DD12.6321.111 |

| Rated Current [A] | Filter-Type          | Fuseholder | Line Switch | Order Number  |
|-------------------|----------------------|------------|-------------|---------------|
| 8                 | Medical Version (M5) | 2-pole     | 2-pole      | DD12.8321.111 |
| 10                | Medical Version (M5) | 2-pole     | 2-pole      | DD12.9321.111 |

10 A version only approved up to 8 A at UL.

**Packaging unit** 20 Pcs

### Required Accessory

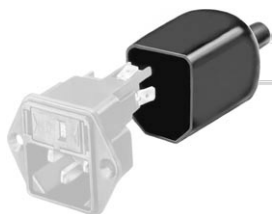
#### Description



#### Fusedrawer 2

Fusedrawer with and without Voltage Selector Insert

### Accessories



#### Assorted Covers

Rear Cover



#### Wire Harness

Wire harness for SCHURTER products



#### 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 DD12

[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   |
| <a href="#">Connector further types to DD12</a> | ...    |

[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 |
| <a href="#">Power Cord further types to DD12</a> | ...  |