

IEC Appliance Inlet C14 with Filter, Fuseholder 1- or 2-pole, for PCB Mounting

Standard- or Medical-Filter and  
-Fuse drawer

C14  
  
 70° C

**Description**

- Panel Mount:  
Screw-on mounting on PCB, from rear-side
- 3 Functions:  
Appliance Inlet, Fuseholder for fuse-links 5 x 20 mm, Line filter in standard and medical version
- PCB terminals

**Approvals**

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

**Characteristics**

- Ultra-compact design
- All single elements are already wired
- For added safety "Extra-Safe" fuse drawers are available  
Fuse drawer meets requirements of medical standard IEC/EN 60601-1  
The fuseholder is accessible from the equipment front
- Suitable for use in equipment according to IEC 60950

**Other versions on request**

- Fixing on PCB with self-tapping screws 3 mm or pre-inserted nuts M3
- Fuse drawer 1-pole, plus spare fuse case
- Fuse drawer 2-pole, with shorting bar
- Medical version M80, 220 nF X capacitors
- Class X1- and Y1-capacitors for enhanced withstand voltage
- Protection class II, 70°C

**References**Alternative: version for panel mounting [KFA](#)**Weblinks**

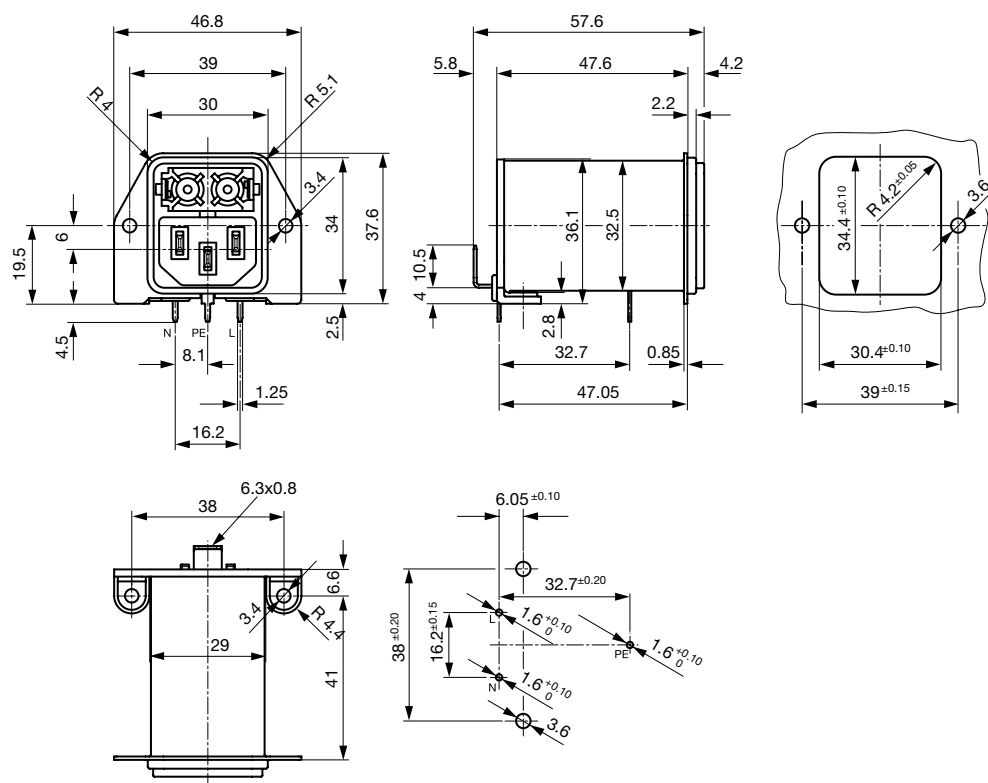
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Mounting instruction](#),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

**Technical Data**

|                           |                                                                                                            |                                   |                                                                                                                                         |
|---------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Ratings IEC               | 1 - 10 A @ Ta 40 °C / 250 VAC; 50 Hz                                                                       | Appliance-Inlet/-Outlet           | C14 acc. to IEC 60320                                                                                                                   |
| Ratings UL/CSA            | 1 - 10 A @ Ta 40 °C / 250 VAC; 50/60 Hz <sup>1)</sup>                                                      |                                   | UL 498 CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class I                                           |
| Leakage Current           | standard < 0.5 mA (250 V / 60 Hz)<br>medical < 5 µA (250 V / 60 Hz)                                        | Fuseholder                        | 1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20 mm                                                       |
| Dielectric Strength       | > 1.7 kVDC between L-N<br>> 2.7 kVDC between L/N-PE<br>Test voltage (1 min/50 Hz)                          | Rated Power Acceptance @ Ta 23 °C | 5 x 20: 2 W (1 pole)/ 1.4 W (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                                                                              | 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                              | > 2'000'000 h acc. to MIL-HB-217 F                                                                                                      |
| Protection Class          | Suitable for appliances with protection class I acc. to IEC 61140                                          |                                   |                                                                                                                                         |
| Terminal                  | For PCB mounting ; Additional for ground terminal: Quick connect terminals 6.3 x 0.8 mm angled to pin axis |                                   |                                                                                                                                         |
| Panel Thickness s         | Screw-on mounting: max 3 mm<br>Mounting screw torque max 0.5 Nm                                            |                                   |                                                                                                                                         |
| Material: Housing         | Thermoplastic, black, UL 94V-0                                                                             |                                   |                                                                                                                                         |

1) UL approvals: 1-pole versions up to 10 A, 2-pole versions up to 8 A

## Dimensions



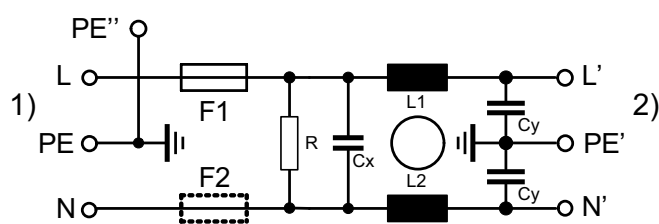
## Technical Data of Filter-Components

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

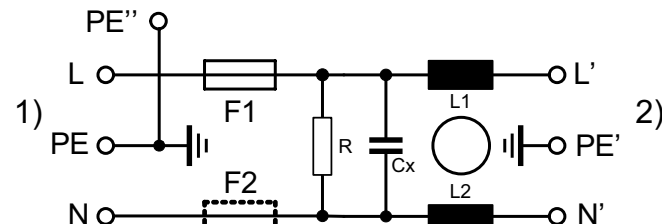
**Diagrams**

Standard version with bleed resistor and Medical version M80  
1-/2-pole

Medical version M5  
1-/2-pole



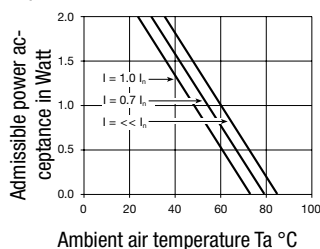
1) Line  
2) Load



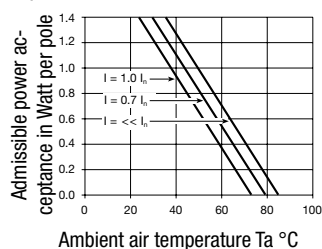
1) Line  
2) Load

**Derating Curves**

1-pole

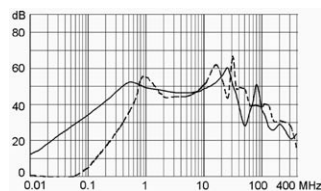


2-pole

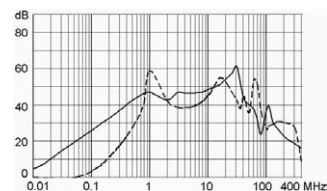
**Attenuation Loss**

Standard version

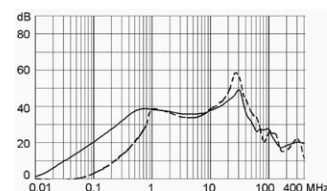
1 A



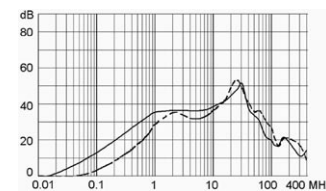
2 A



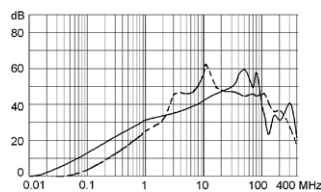
4 A



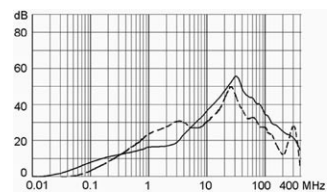
6 A



8 A



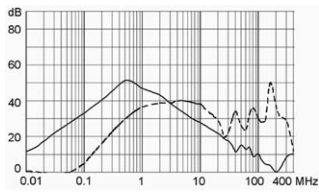
10 A



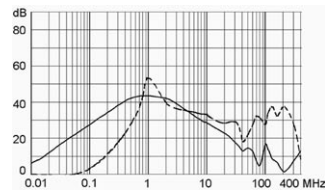
--- differential mode    — common mode

Medical version (M5)

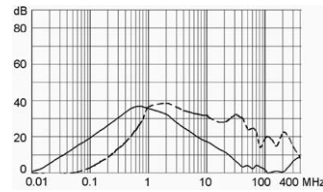
1 A



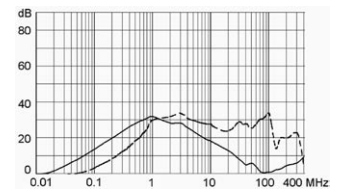
2 A



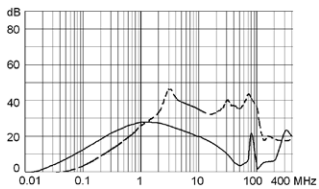
4 A



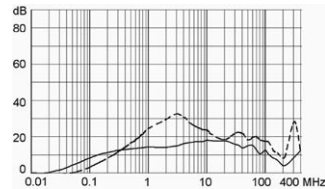
6 A



8 A



10 A



## Variants

| Rated Current [A] | Filter-Type                          | Fuseholder | Comment | Order Number |
|-------------------|--------------------------------------|------------|---------|--------------|
| 1                 | Standard Version with Bleed Resistor | 1-pole     | -       | DA22.1111.11 |
| 2                 | Standard Version with Bleed Resistor | 1-pole     | -       | DA22.2111.11 |
| 4                 | Standard Version with Bleed Resistor | 1-pole     | -       | DA22.4111.11 |
| 6                 | Standard Version with Bleed Resistor | 1-pole     | -       | DA22.6111.11 |
| 8                 | Standard Version with Bleed Resistor | 1-pole     | -       | DA22.8111.11 |
| 10                | Standard Version with Bleed Resistor | 1-pole     | 1)      | DA22.9111.11 |
| 1                 | Standard Version with Bleed Resistor | 2-pole     | -       | DA22.1121.11 |
| 2                 | Standard Version with Bleed Resistor | 2-pole     | -       | DA22.2121.11 |
| 4                 | Standard Version with Bleed Resistor | 2-pole     | -       | DA22.4121.11 |
| 6                 | Standard Version with Bleed Resistor | 2-pole     | -       | DA22.6121.11 |
| 8                 | Standard Version with Bleed Resistor | 2-pole     | -       | DA22.8121.11 |
| 10                | Standard Version with Bleed Resistor | 2-pole     | 1)      | DA22.9121.11 |
| 1                 | Medical Version (M5)                 | 2-pole     | -       | DA22.1321.11 |
| 2                 | Medical Version (M5)                 | 2-pole     | -       | DA22.2321.11 |
| 4                 | Medical Version (M5)                 | 2-pole     | -       | DA22.4321.11 |
| 6                 | Medical Version (M5)                 | 2-pole     | -       | DA22.6321.11 |
| 8                 | Medical Version (M5)                 | 2-pole     | -       | DA22.8321.11 |
| 10                | Medical Version (M5)                 | 2-pole     | 1)      | DA22.9321.11 |

1) UL approvals: versions with 1-pole fuseholder are approved up to 10 A, 2-pole versions up to 8 A.

## Packaging unit

20 Pcs

## Required Accessory

### Description



### Fusedrawer 2

Fusedrawer with and without Voltage Selector Insert

## Accessories



[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 DA22](#)



#### [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 DA22](#)