

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

Plug removal necessary for fuse replacement



KMF: With shield and line filter



### Description

- Panel Mount:  
Snap-in version 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 4.8 x 0.8 mm

### Approvals

- VDE Certificate Number: 40035743
- UL File Number: E72928
- CCC File Number: 2009010204326571

### Characteristics

- Ultra-compact design. Small dimensions in front of and behind the panel
- 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 fuse drawer can only be opened with the aid of a tool  
The fuseholder is accessible from the equipment front
- Innovative EMC-shielding with flexible steel segments for an excellent contact
- Suitable for use in equipment according to IEC 60950

### Other versions on request

- Fuse drawer 1-pole, plus spare fuse case
- Fuse drawer 2-pole, with shorting bar
- Other rocker marking

### References

Alternative: version without line filter [KM](#)Alternative: version for screw mounting [DD12](#)

Alternative: Standard version

### Weblinks

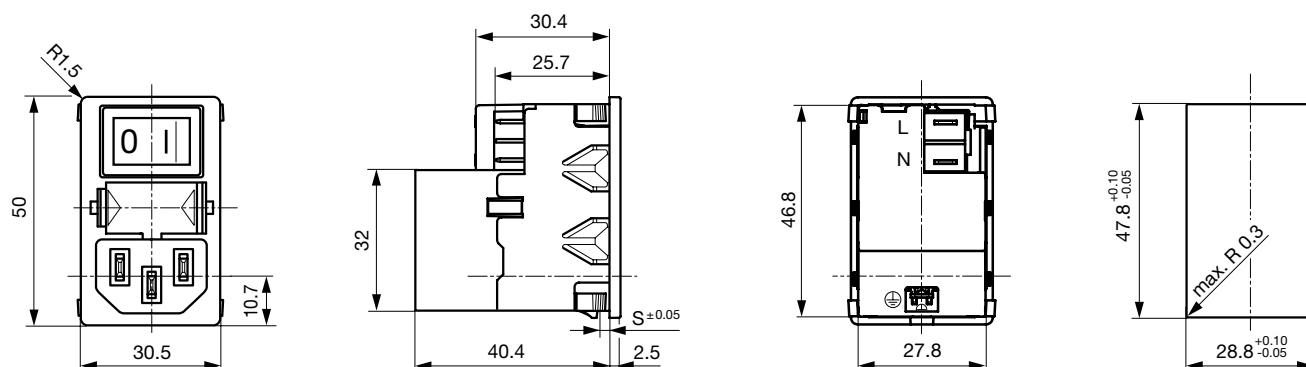
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Wire Harnessing](#),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

### Technical Data

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Ratings IEC               | 1 - 10A @ Ta 40 °C / 250VAC; 50Hz                                           |
| Ratings UL/CSA            | 1 - 10A @ Ta 40 °C / 125VAC; 60Hz                                           |
| Leakage Current           | standard < 0.5mA (250 V / 60Hz)<br>medical < 5 µA (250 V / 60 Hz)           |
| Dielectric Strength       | > 1.7 kVDC between L-N<br>> 2.7 kVDC between L/N-PE<br>Test voltage (2 sec) |
| 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 4.8 x 0.8 mm                                        |
| Panel Thickness s         | Snap-in: 1/1.5/2/2.5 mm<br>(all steps with one variant)                     |
| Material: Housing         | Thermoplastic, black, UL 94V-0                                              |

|                                   |                                                                                                                             |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Appliance-Inlet/-Outlet           | C14 acc. to IEC 60320,<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)/ 1.4W (2-pole) per pole                                                                                 |
| Power Acceptance @ Ta > 23°C      | Admissible power acceptance at higher ambient temperature see derating curves                                               |
| Line 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, CSA C22.2 no. 8<br><a href="#">Technical Details</a> |
| MTBF                              | > 1'800'000 h acc. to MIL-HB-217 F                                                                                          |

## Dimensions



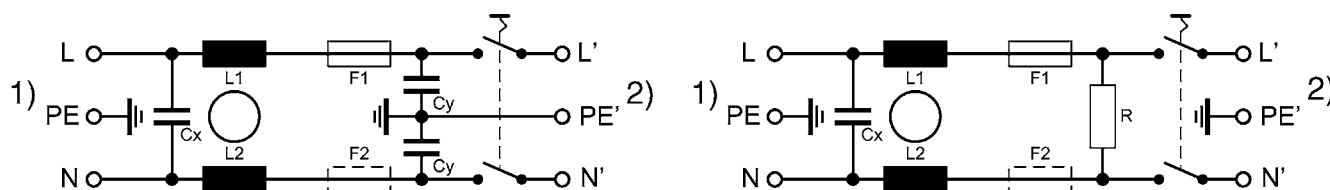
## Technical Data of Filter-Components

| Rated Current [A] | Filter-Type          | Inductances L [mH] | Capacitance CX [nF] | Capacitance CY [nF] | R [MΩ] |
|-------------------|----------------------|--------------------|---------------------|---------------------|--------|
| 1                 | Standard Version     | 2 x 11             | 47                  | 2.2                 | -      |
| 2                 | Standard Version     | 2 x 4              | 47                  | 2.2                 | -      |
| 4                 | Standard Version     | 2 x 1.6            | 47                  | 2.2                 | -      |
| 6                 | Standard Version     | 2 x 0.7            | 47                  | 2.2                 | -      |
| 10                | Standard Version     | 2 x 0.4            | 47                  | 2.2                 | -      |
| 1                 | Medical Version (M5) | 2 x 11             | 47                  | -                   | 1      |
| 2                 | Medical Version (M5) | 2 x 4              | 47                  | -                   | 1      |
| 4                 | Medical Version (M5) | 2 x 1.6            | 47                  | -                   | 1      |
| 6                 | Medical Version (M5) | 2 x 0.7            | 47                  | -                   | 1      |
| 10                | Medical Version (M5) | 2 x 0.4            | 47                  | -                   | 1      |

## Diagrams

Standard version

Medical version

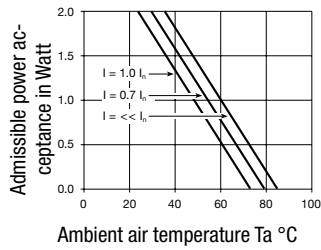


1) Line  
2) Load

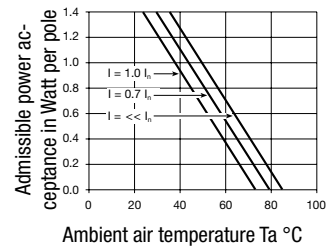
1) Line  
2) Load

## Derating Curves

1-pole



2-pole

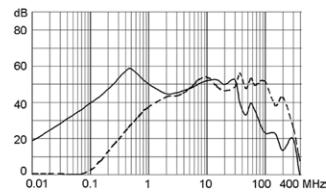


## Attenuation Loss

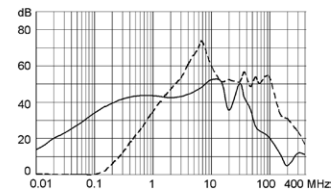
Standard version

- - - differential mode    — common mode

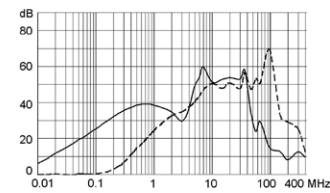
1 A



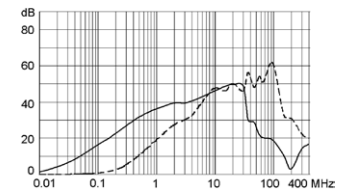
2 A



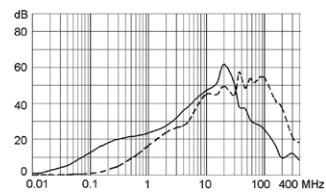
4 A



6 A

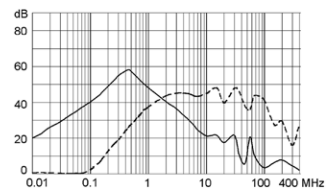


10 A

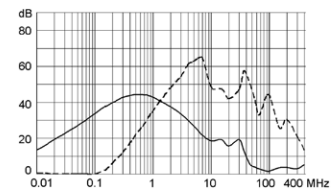


Medical version (M5)

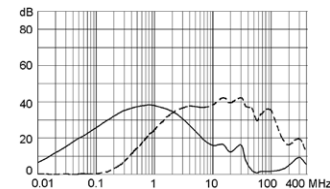
1 A



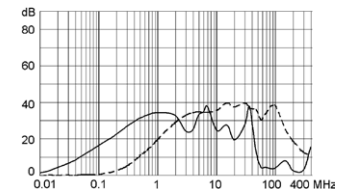
2 A



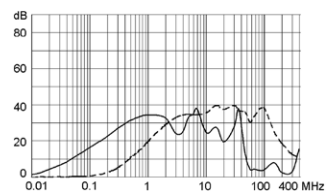
4 A



6 A



10 A



## Variants

Fuse drawer must be ordered separately (see accessories).

| Rated Current<br>[A] | Filter-Type          | Fuseholder | Line Switch | Order Number |
|----------------------|----------------------|------------|-------------|--------------|
| 1                    | Standard Version     | 1-pole     | 2-pole      | KMF1.1211.11 |
| 2                    | Standard Version     | 1-pole     | 2-pole      | KMF1.1221.11 |
| 4                    | Standard Version     | 1-pole     | 2-pole      | KMF1.1241.11 |
| 6                    | Standard Version     | 1-pole     | 2-pole      | KMF1.1261.11 |
| 10                   | Standard Version     | 1-pole     | 2-pole      | KMF1.1291.11 |
| 1                    | Standard Version     | 2-pole     | 2-pole      | KMF1.1111.11 |
| 2                    | Standard Version     | 2-pole     | 2-pole      | KMF1.1121.11 |
| 4                    | Standard Version     | 2-pole     | 2-pole      | KMF1.1141.11 |
| 6                    | Standard Version     | 2-pole     | 2-pole      | KMF1.1161.11 |
| 10                   | Standard Version     | 2-pole     | 2-pole      | KMF1.1191.11 |
| 1                    | Medical Version (M5) | 1-pole     | 2-pole      | KMF1.1213.11 |
| 2                    | Medical Version (M5) | 1-pole     | 2-pole      | KMF1.1223.11 |
| 4                    | Medical Version (M5) | 1-pole     | 2-pole      | KMF1.1243.11 |
| 6                    | Medical Version (M5) | 1-pole     | 2-pole      | KMF1.1263.11 |
| 10                   | Medical Version (M5) | 1-pole     | 2-pole      | KMF1.1293.11 |
| 1                    | Medical Version (M5) | 2-pole     | 2-pole      | KMF1.1113.11 |
| 2                    | Medical Version (M5) | 2-pole     | 2-pole      | KMF1.1123.11 |
| 4                    | Medical Version (M5) | 2-pole     | 2-pole      | KMF1.1143.11 |
| 6                    | Medical Version (M5) | 2-pole     | 2-pole      | KMF1.1163.11 |
| 10                   | Medical Version (M5) | 2-pole     | 2-pole      | KMF1.1193.11 |

**Packaging unit** 20 Pcs

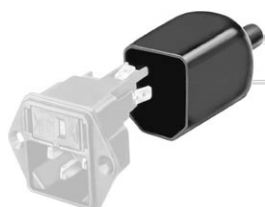
## Required Accessory

### 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 |

[Appliance Outlet further types to KMF](#)



#### 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 KMF](#)