

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

Standard- or Medical-Filter



Order required accessories separately



### 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
- V-Lock notch standard
- Quick connect terminals 6.3 x 0.8 mm

### Unique Selling Proposition

- Most compact power entry module
- Attractive flat design
- Switch for highest inrush current
- V-Lock cord retaining

### 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
- Ideal for application with high transient loads  
Designed for standard and medical applications
- Suitable for use in equipment according to IEC/UL 60950  
Suitable for use in medical equipment according to IEC/UL 60601-1

### 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

### References

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

### Weblinks

[pdf datasheet](#), [html-datasheet](#), [General Product Information](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Distributor-Stock-Check](#), [Accessories](#), [Detailed request for product](#)

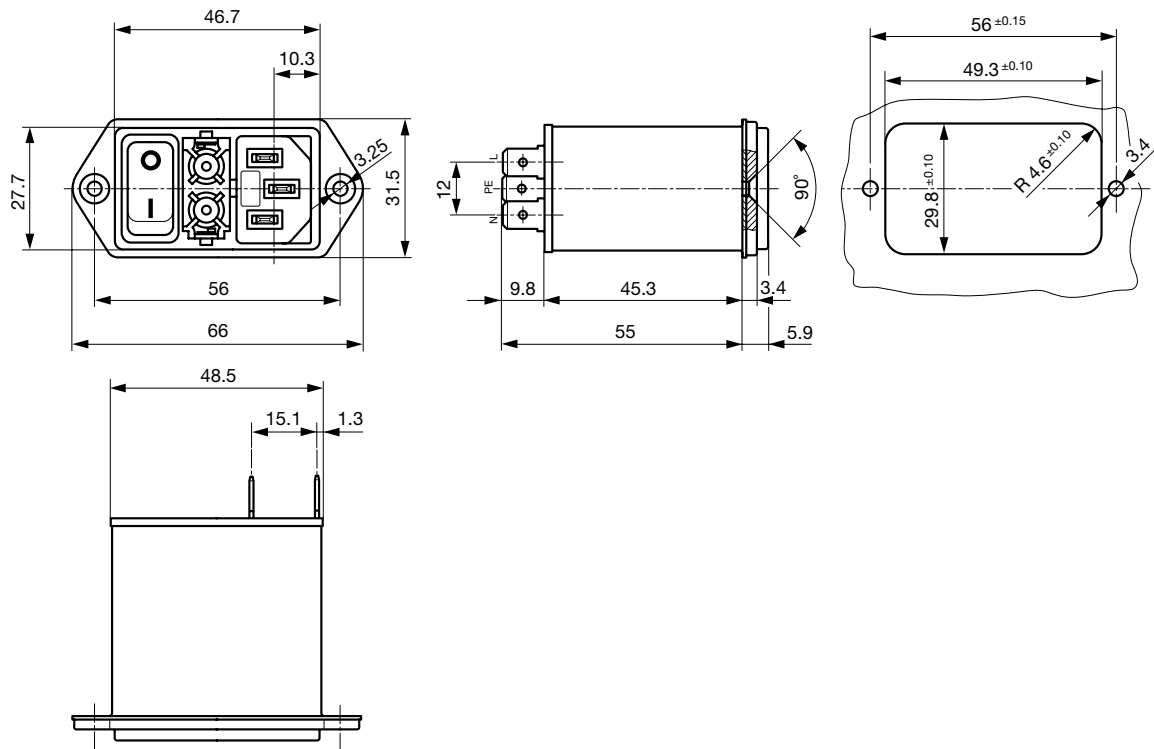
### Technical Data

|                           |                                                                                  |
|---------------------------|----------------------------------------------------------------------------------|
| Ratings IEC               | 1 - 10A @ Ta 40 °C / 250VAC; 50Hz                                                |
| Ratings UL/CSA            | 1 - 8A @ Ta 40 °C / 250VAC; 60Hz                                                 |
| Leakage Current           | standard < 0.5 mA (250V / 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 (1 min/50Hz) |
| Allowable Operation Temp. | -25 °C to 85 °C                                                                  |
| Climatic Category         | 25/085/21 acc. to IEC 60068-1                                                    |
| IP-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 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, 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, UL 1283, CSA C22.2 no. 8<br><a href="#">Technical Details</a>                   |
| MTBF                              | > 2'000'000h acc. to MIL-HB-217 F                                                                                        |

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [General Product Information](#)

Dimension  
Screw version

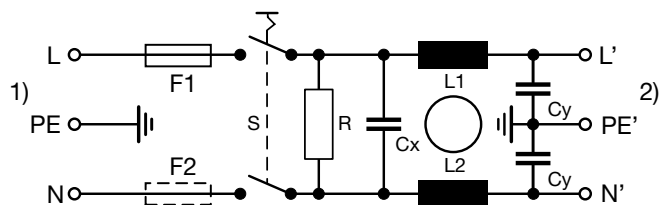


Technical Data of Filter-Components

| 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      |
| 1                    | Medical Version (M80) | 2 x 10                | 100                    | 0.47                   | 1      |

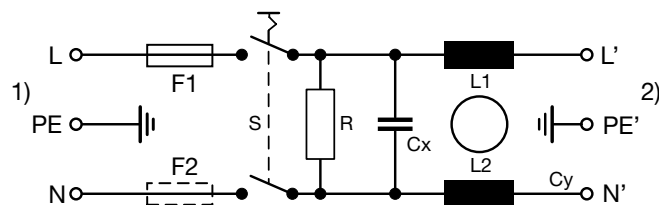
## Diagrams

Standard version  
non-illuminated



1) Line  
2) Load

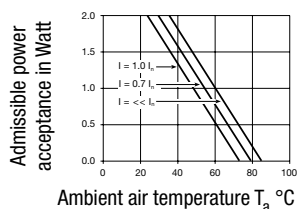
Medical version M5  
non-illuminated



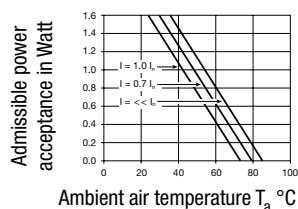
1) Line  
2) Load

## Derating Curves

1-pole



2-pole

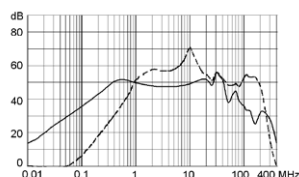


## Attenuation Loss

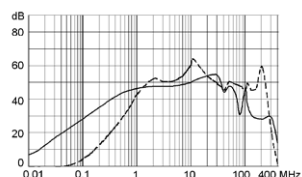
Standard version

--- 50Ω differential mode    50Ω common mode

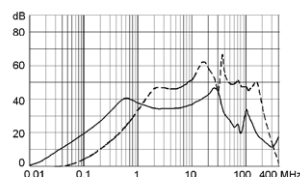
1 A



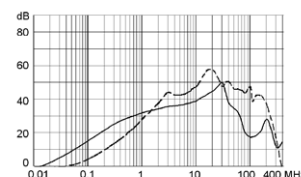
2 A



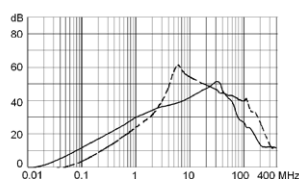
4 A



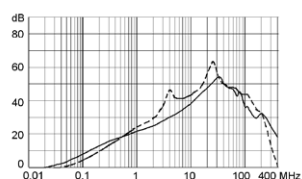
6 A



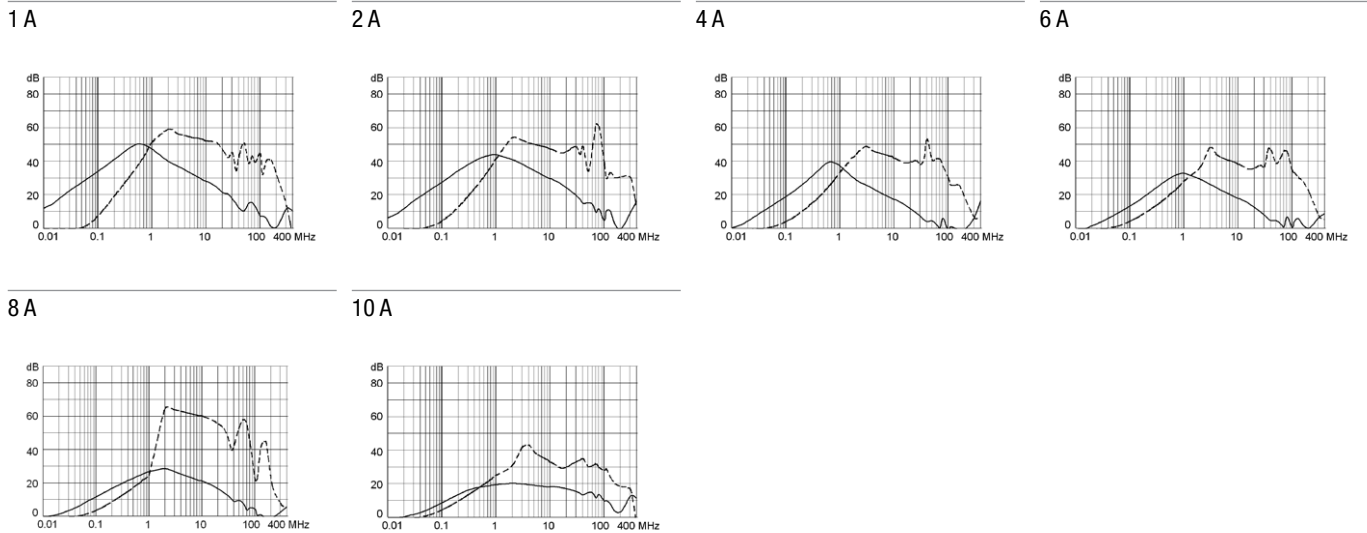
8 A



10 A



Medical version (M5)



All Variants

| Rated Current [A] | Filter-Type           | Fuseholder | Line Switch | Illumination       | Order Number  |   |
|-------------------|-----------------------|------------|-------------|--------------------|---------------|---|
| 1                 | Standard Version      | 1-pole     | 2-pole      | non-illuminated    | DD12.1111.111 | ■ |
| 2                 | Standard Version      | 1-pole     | 2-pole      | non-illuminated    | DD12.2111.111 | ■ |
| 4                 | Standard Version      | 1-pole     | 2-pole      | non-illuminated    | DD12.4111.111 | ■ |
| 6                 | Standard Version      | 1-pole     | 2-pole      | non-illuminated    | DD12.6111.111 | ■ |
| 8                 | Standard Version      | 1-pole     | 2-pole      | non-illuminated    | DD12.8111.111 | ■ |
| 10                | Standard Version      | 1-pole     | 2-pole      | non-illuminated    | DD12.9111.111 | ■ |
| 1                 | Standard Version      | 2-pole     | 2-pole      | non-illuminated    | DD12.1121.111 | ■ |
| 2                 | Standard Version      | 2-pole     | 2-pole      | non-illuminated    | DD12.2121.111 | ■ |
| 2                 | Standard Version      | 2-pole     | 2-pole      | illuminated, red   | DD12.2123.111 |   |
| 2                 | Standard Version      | 2-pole     | 2-pole      | illuminated, green | DD12.2124.111 |   |
| 4                 | Standard Version      | 2-pole     | 2-pole      | non-illuminated    | DD12.4121.111 | ■ |
| 6                 | Standard Version      | 2-pole     | 2-pole      | non-illuminated    | DD12.6121.111 | ■ |
| 6                 | Standard Version      | 2-pole     | 2-pole      | illuminated red    | DD12.6123.111 | ■ |
| 8                 | Standard Version      | 2-pole     | 2-pole      | non-illuminated    | DD12.8121.111 | ■ |
| 10                | Standard Version      | 2-pole     | 2-pole      | non-illuminated    | DD12.9121.111 | ■ |
| 1                 | Medical Version (M5)  | 2-pole     | 2-pole      | non-illuminated    | DD12.1321.111 | ■ |
| 2                 | Medical Version (M5)  | 2-pole     | 2-pole      | non-illuminated    | DD12.2321.111 | ■ |
| 4                 | Medical Version (M5)  | 2-pole     | 2-pole      | non-illuminated    | DD12.4321.111 | ■ |
| 6                 | Medical Version (M5)  | 2-pole     | 2-pole      | non-illuminated    | DD12.6321.111 | ■ |
| 8                 | Medical Version (M5)  | 2-pole     | 2-pole      | non-illuminated    | DD12.8321.111 | ■ |
| 10                | Medical Version (M5)  | 2-pole     | 2-pole      | non-illuminated    | DD12.9321.111 | ■ |
| 1                 | Medical Version (M80) | 2-pole     | 2-pole      | non-illuminated    | DD12.1621.111 |   |

■ Most Popular.

Availability for all products can be searched real-time:<http://www.schurter.com/Stock-Check/Stock-Check-SCHURTER>

10 A version only IEC approval.

Packaging unit 20 Pcs

## Required Accessory

### Description

#### Fusedrawer 2

Fusedrawer für Fuse Links 5x20 mm, with or without Voltage Selector Insert



|                    |           |
|--------------------|-----------|
| Fingergrip, 2-pole | 4301.1401 |
| Extra-Safe, 2-pole | 4301.1403 |
| Fingergrip, 1-pole | 4301.1405 |
| Extra-Safe, 1-pole | 4301.1407 |

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## Accessories



#### Wire Harness

Wire harness for SCHURTER products



#### Assorted Covers

Rear Cover

0859.0076



#### Cord retaining kits

Cord retaining strain relief

Flat head, A

4700.0001

## 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 DD12

#### Connector Overview complete



|                                                                                              |         |
|----------------------------------------------------------------------------------------------|---------|
| 4782 Mounting: Power Cord, 3 x 1 mm <sup>2</sup> / 3 x 18 AWG, Cable, Connector: IEC C13     | 4782    |
| 4022 Mounting: Power Supply Cord, 3 x 1.5 mm <sup>2</sup> , Screw clamps, Connector: IEC C13 | 4022    |
| 4785 Mounting: Power Cord, 3 x 1 mm <sup>2</sup> / 3 x 18 AWG, Cable, Connector: IEC C13     | 4785    |
| 4300-06 Mounting: Power Cord, 3 x 1 mm <sup>2</sup> / 3 x 18 AWG, Cable, Connector: IEC C13  | 4300-06 |
| 4012 Mounting: Power Supply Cord, 3 x 1.5 mm <sup>2</sup> , Screw clamps, Connector: IEC C13 | 4012    |

Connector further types to DD12

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Mating Outlets/Connectors shuttered



Power Cord Overview complete

VAC13KS, Overview, diverse Connector IEC C13, cord end:

VAC13KS

[Power Cord further types to DD12](#)