

IEC Appliance Inlet C14 with Filter

Standard- or Medical-Filter



## Description

- Panel Mount:  
Snap-in or screw-on mounting from front side
- 2 Functions:  
Appliance Inlet Protection class I, Line filter in standard and medical version
- Quick connect terminals 6.3 x 0.8 mm

## Approvals

- VDE Certificate Number: 40035745
- UL File Number: E72928
- CCC File Number: 2006010204191430

## Characteristics

- Ultra-compact design
- All single elements are already wired
- 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

- Capacity CX 100 nF
- Medical version M80

## References

Alternative: version without line filter [6100-3](#)

## Weblinks

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

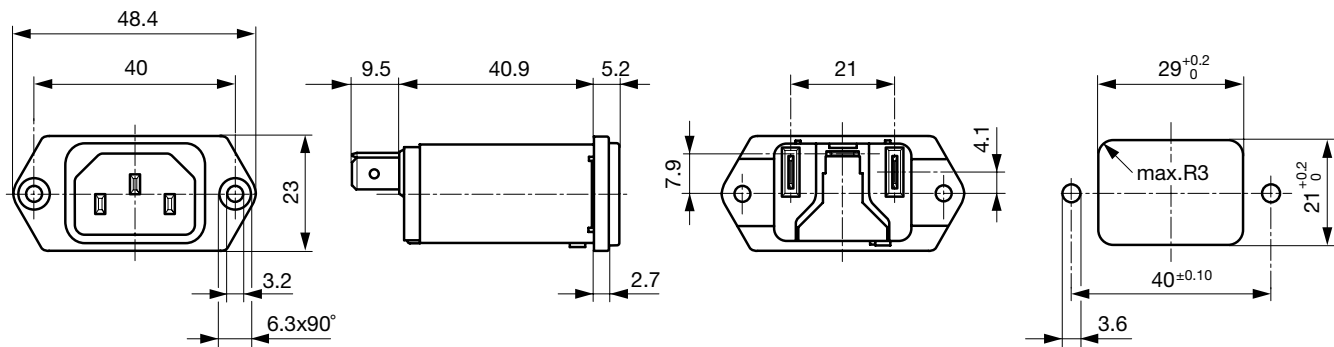
## Technical Data

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Ratings IEC               | 1 - 10A @ Ta 40 °C / 250VAC; 50Hz                                           |
| Ratings UL/CSA            | 1 - 15A @ Ta 40 °C / 125VAC; 60Hz                                           |
| Leakage Current           | standard < 0.5mA (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 (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 6.3 x 0.8 mm                                        |
| Panel Thickness s         | Screw: max 5 mm<br>Mounting screw torque max 0.5Nm<br>Snap-in: 0.8mm to 3mm |
| Material: Housing         | Thermoplastic, black, UL 94V-0                                              |

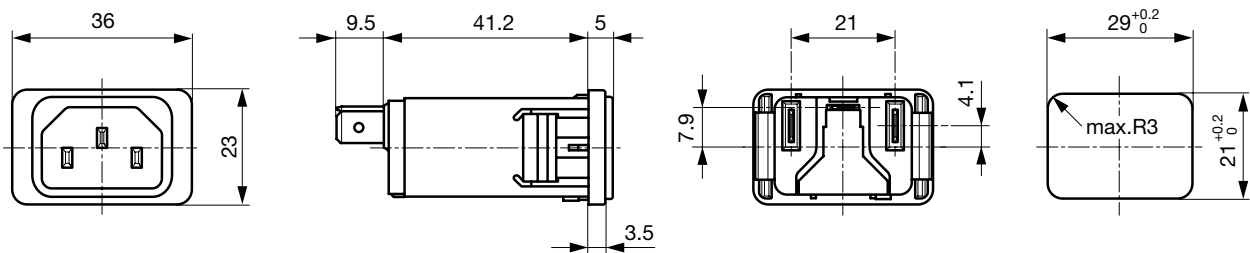
|                         |                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------|
| 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 |
| Line Filter             | Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8<br><a href="#">Technical Details</a>                  |
| MTBF                    | > 3'100'000 h acc. to MIL-HB-217 F                                                                                      |

**Dimension**

Screw-on mounting



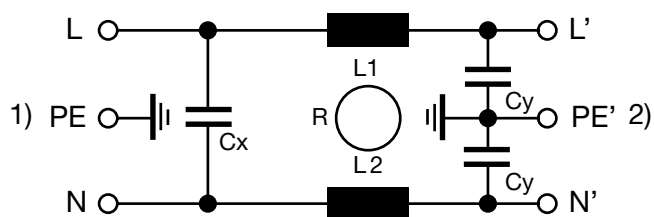
Snap-in mounting

**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 11                | 47                     | 2.2                    | -      |
| 2                    | Standard Version             | 2 x 4                 | 47                     | 2.2                    | -      |
| 3                    | Standard Version             | 2 x 2.5               | 47                     | 2.2                    | -      |
| 4                    | Standard Version             | 2 x 1.6               | 47                     | 2.2                    | -      |
| 6                    | Standard Version             | 2 x 0.7               | 47                     | 2.2                    | -      |
| 8                    | Standard Version             | 2 x 0.6               | 47                     | 2.2                    | -      |
| 10                   | Standard Version             | 2 x 0.4               | 47                     | 2.2                    | -      |
| 15                   | Standard Version             | 2 x 0.1               | 47                     | 2.2                    | -      |
| 1                    | Medical Version (M5)         | 2 x 11                | 47                     | -                      | 1      |
| 2                    | Medical Version (M5)         | 2 x 4                 | 47                     | -                      | 1      |
| 3                    | Medical Version (M5)         | 2 x 2.5               | 47                     | -                      | 1      |
| 4                    | Medical Version (M5)         | 2 x 1.6               | 47                     | -                      | 1      |
| 6                    | Medical Version (M5)         | 2 x 0.7               | 47                     | -                      | 1      |
| 8                    | Medical Version (M5)         | 2 x 0.6               | 47                     | -                      | 1      |
| 10                   | Medical Version (M5)         | 2 x 0.4               | 47                     | -                      | 1      |
| 15                   | Medical Version (M5)         | 2 x 0.1               | 47                     | -                      | 1      |
| 10                   | Standard and Medical Version | 2 x 0.4               | 47                     | 2.2                    | 1      |

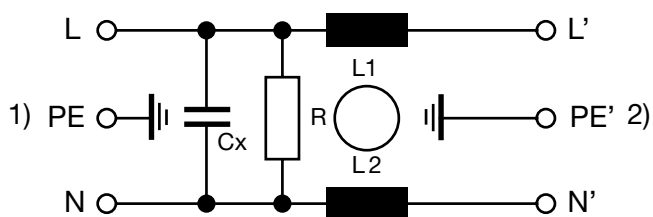
## Diagrams

Standard version



1) Line  
2) Load

Medical version (M5)



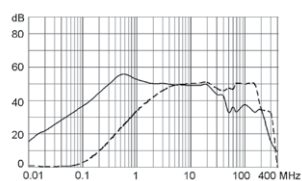
1) Line  
2) Load

## Attenuation Loss

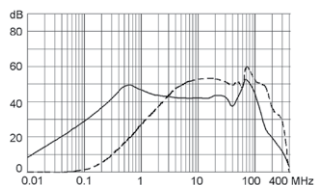
Standard version

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

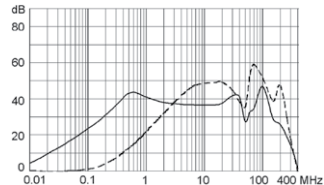
1 A



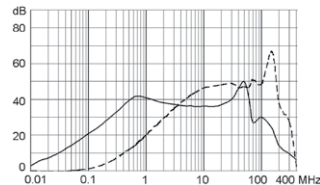
2 A



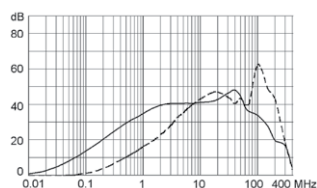
3 A



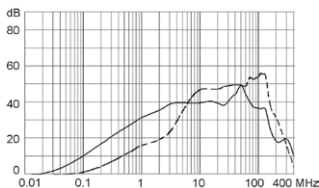
4 A



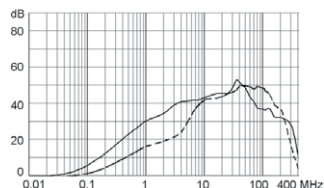
6 A



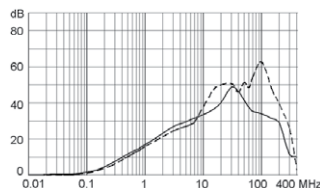
8 A



10 A

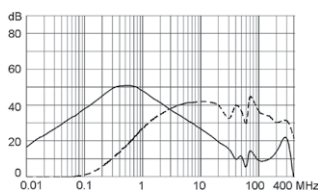


15 A

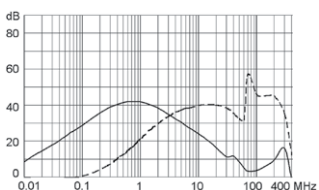


Medical version (M5)

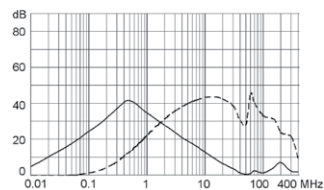
1 A



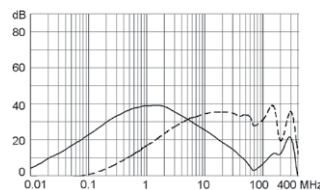
2 A



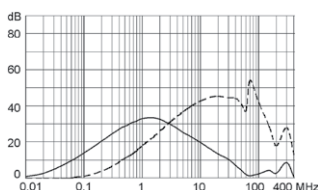
3 A



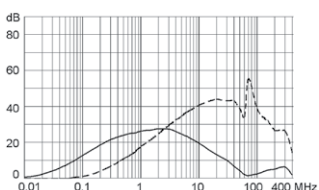
4 A



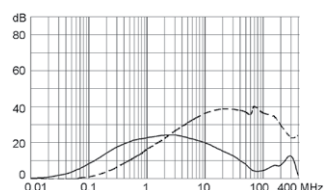
6 A



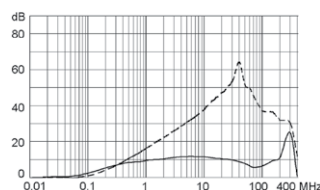
8 A



10 A



15 A



## All Variants

| Rated Current<br>[A] | Filter-Type          | Panel mounting | Order Number |  |
|----------------------|----------------------|----------------|--------------|--|
| 1                    | Standard Version     | Snap-in        | 5110.0143.1  |  |
| 2                    | Standard Version     | Snap-in        | 5110.0243.1  |  |
| 3                    | Standard Version     | Snap-in        | 5110.0343.1  |  |
| 4                    | Standard Version     | Snap-in        | 5110.0443.1  |  |
| 6                    | Standard Version     | Snap-in        | 5110.0643.1  |  |
| 8                    | Standard Version     | Snap-in        | 5110.0843.1  |  |
| 10                   | Standard Version     | Snap-in        | 5110.1043.1  |  |
| 15                   | Standard Version     | Snap-in        | 5110.1543.1  |  |
| 1                    | Standard Version     | Screw          | 5110.0133.1  |  |
| 2                    | Standard Version     | Screw          | 5110.0233.1  |  |
| 3                    | Standard Version     | Screw          | 5110.0333.1  |  |
| 4                    | Standard Version     | Screw          | 5110.0433.1  |  |
| 6                    | Standard Version     | Screw          | 5110.0633.1  |  |
| 8                    | Standard Version     | Screw          | 5110.0833.1  |  |
| 10                   | Standard Version     | Screw          | 5110.1033.1  |  |
| 15                   | Standard Version     | Screw          | 5110.1533.1  |  |
| 1                    | Medical Version (M5) | Snap-in        | 5110.0143.3  |  |
| 2                    | Medical Version (M5) | Snap-in        | 5110.0243.3  |  |
| 3                    | Medical Version (M5) | Snap-in        | 5110.0343.3  |  |
| 4                    | Medical Version (M5) | Snap-in        | 5110.0443.3  |  |
| 6                    | Medical Version (M5) | Snap-in        | 5110.0643.3  |  |
| 8                    | Medical Version (M5) | Snap-in        | 5110.0843.3  |  |
| 10                   | Medical Version (M5) | Snap-in        | 5110.1043.3  |  |
| 15                   | Medical Version (M5) | Snap-in        | 5110.1543.3  |  |
| 1                    | Medical Version (M5) | Screw          | 5110.0133.3  |  |
| 2                    | Medical Version (M5) | Screw          | 5110.0233.3  |  |
| 3                    | Medical Version (M5) | Screw          | 5110.0333.3  |  |
| 4                    | Medical Version (M5) | Screw          | 5110.0433.3  |  |
| 6                    | Medical Version (M5) | Screw          | 5110.0633.3  |  |
| 8                    | Medical Version (M5) | Screw          | 5110.0833.3  |  |
| 10                   | Medical Version (M5) | Screw          | 5110.1033.3  |  |
| 15                   | Medical Version (M5) | Screw          | 5110.1533.3  |  |

 Most Popular.

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

## Packaging unit

10 Pcs

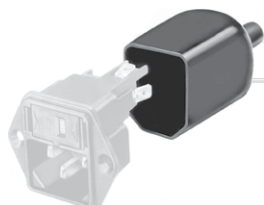
## Accessories

### Description



#### Wire Harness

Wire harness for SCHURTER products



#### Assorted Covers

Rear Cover

0859.0048



#### Cord retaining kits

Cord retaining strain relief

Flat head, A

4700.0001

Countersunk, C

4700.0003

## 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 5110](#)



#### Connector Overview complete

4782 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13

4782

4022 Mounting: Power Supply Cord, 3 x 1.5 mm², Screw clamps, Connector: IEC C13

4022

4785 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13

4785

4300-06 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13

4300-06

4012 Mounting: Power Supply Cord, 3 x 1.5 mm², Screw clamps, Connector: IEC C13

4012

[Connector further types to 5110](#)

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