

## IEC Appliance Inlet C14 with Filter



### Description

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

### Approvals

- VDE Certificate Number: 40004665 (FGS)
- UL File Number: E72928 (FGS)

### Characteristics

- Compact design with optimal shielding
- All single elements are already wired
- Universal line filter for standard applications
- Suitable for use in equipment according to IEC/UL 60950

### Weblinks

[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Accessories](#)

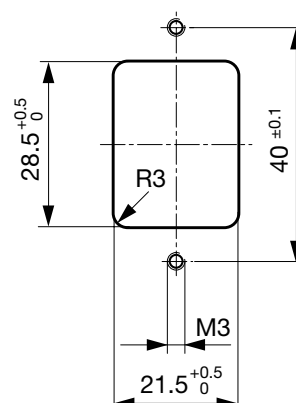
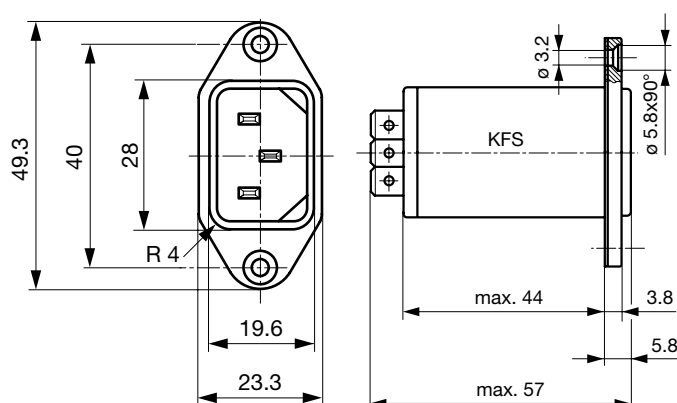
Newly available variants corresponding to V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

### 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 (250V / 60Hz)                                              |
| Dielectric Strength       | > 1.7 kVDC between L-N<br>> 2.7 kVDC between L/N-PE<br>Test voltage (2 sec) |
| Impulse Withstand Voltage | > 2.5 kV between L-N (CX2)<br>> 5 kV between L/N-PE                         |
| 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 8 mm<br>Mounting screw torque max 0.5 Nm                         |
| 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 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

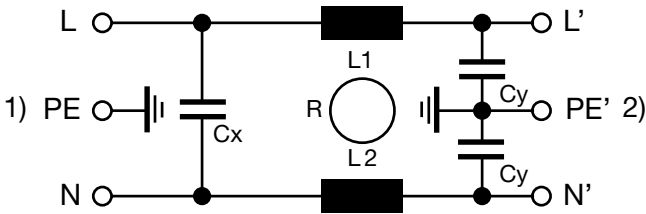


Technical Data of Filter-Components

| Rated Current<br>[A] | Filter-Type           | Inductances<br>L [mH] | Capacitance<br>CX [nF] | Capacitance<br>CY [nF] |
|----------------------|-----------------------|-----------------------|------------------------|------------------------|
| 1                    | Medical Version (M80) | 2 x 10                | 47                     | 0.47                   |
| 1                    | Medical Version (M5)  | 2 x 10                | 47                     | -                      |
| 2                    | Medical Version (M5)  | 2 x 4                 | 47                     | -                      |
| 4                    | Medical Version (M5)  | 2 x 1.5               | 47                     | -                      |
| 6                    | Medical Version (M5)  | 2 x 0.8               | 47                     | -                      |
| 10                   | Medical Version (M5)  | 2 x 0.3               | 47                     | -                      |
| 1                    | Standard Version      | 2 x 10                | 47                     | 2.2                    |
| 2                    | Standard Version      | 2 x 4                 | 47                     | 2.2                    |
| 4                    | Standard Version      | 2 x 1.5               | 47                     | 2.2                    |
| 6                    | Standard Version      | 2 x 0.8               | 47                     | 2.2                    |
| 10                   | Standard Version      | 2 x 0.3               | 47                     | 2.2                    |

Diagrams

Standard version

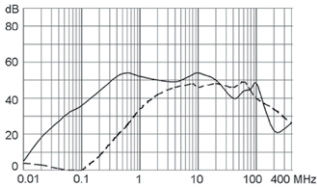


- 1) Line
- 2) Load

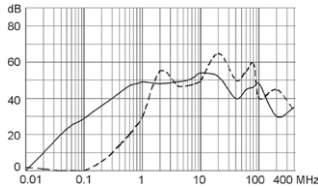
Attenuation Loss

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

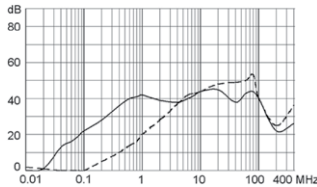
Standard version  
1 A



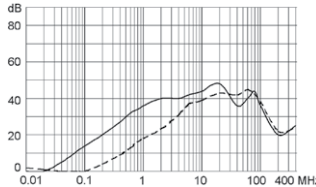
2 A



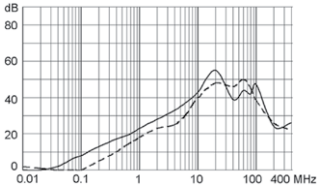
4 A



6 A



10 A



## All Variants

| Type | Rated Current [A] | Filter-Type           | CX Class | Order Number |
|------|-------------------|-----------------------|----------|--------------|
| KFS  | 1                 | Standard Version      | X2       | 4300.5051    |
| KFS  | 2                 | Standard Version      | X2       | 4300.5052    |
| KFS  | 4                 | Standard Version      | X2       | 4300.5053    |
| KFS  | 6                 | Standard Version      | X2       | 4300.5054    |
| KFS  | 10                | Standard Version      | X2       | 4300.5055    |
| KFS  | 1                 | Medical Version (M5)  | X2       | 4300.5021    |
| KFS  | 2                 | Medical Version (M5)  | X2       | 4300.5022    |
| KFS  | 4                 | Medical Version (M5)  | X2       | 4300.5023    |
| KFS  | 6                 | Medical Version (M5)  | X2       | 4300.5024    |
| KFS  | 10                | Medical Version (M5)  | X2       | 4300.5025    |
| KFS  | 1                 | Medical Version (M80) | X2       | 4300.5031    |

Most Popular.

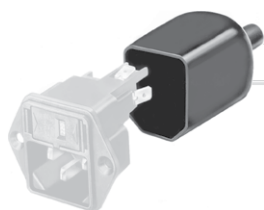
Availability for all products can be searched real-time: <http://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>

Suffix ".21" corresponds to the version with V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

**Packaging unit** 10 Pcs

## Accessories

### Description



Assorted Covers  
Rear Cover



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 KFS](#)



[Connector Overview complete](#)

|                                                |                        |
|------------------------------------------------|------------------------|
| IEC Connector C15A, Rewireable, Straight       | <a href="#">0102</a>   |
| IEC Connector C15A, Rewireable, Straight       | <a href="#">0102-G</a> |
| IEC Connector C15A, Rewireable, Angled         | <a href="#">0112</a>   |
| IEC Connector C13, Rewireable, Angled          | <a href="#">4012</a>   |
| IEC Connector C13, Rewireable, Straight        | <a href="#">4022</a>   |
| <a href="#">Connector further types to KFS</a> | ...                    |

Mating Outlets/Connectors shuttered



[Power Cord Overview complete](#)

|                                                                     |                         |
|---------------------------------------------------------------------|-------------------------|
| Overview Power Supply Cord with IEC Connector C13, V-Lock, straight | <a href="#">VAC13KS</a> |
| <a href="#">Power Cord further types to KFS</a>                     |                         |