

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
- UL File Number: E72928

Characteristics

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

References**Weblinks**

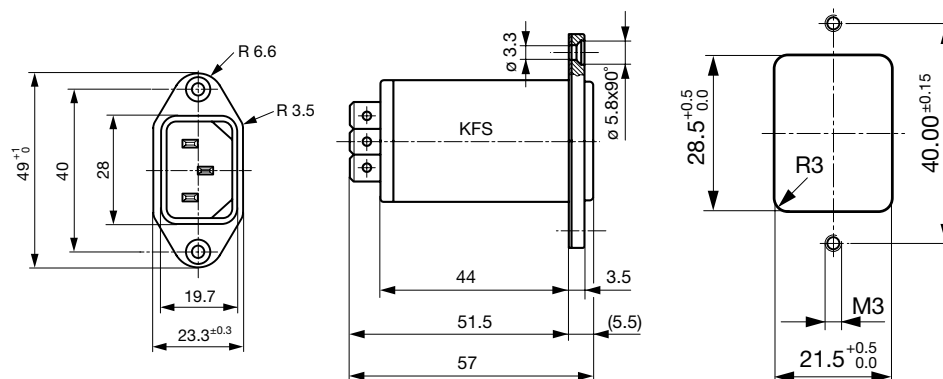
[General Product Information](#), [Approvals](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Store](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Accessories](#)

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 | > 1.7kVDC between L-N > 2.7kVDC between L/N-PE Test voltage (2sec) |
| Impulse Withstand Voltage | > 2.5kV between L-N (CX2) > 5kV 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 1 acc. to IEC 61140 |
| Terminal | Quick connect terminals 6.3 x 0.8 mm |
| Panel Thickness s | Screw: max 8 mm Mounting screw torque max 0.5Nm |
| Material: Housing | Thermoplastic, black, UL 94V-0 |

| | |
|-------------------------|---|
| Appliance-Inlet/-Outlet | C14 acc. to IEC/EN 60320-1, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class 1 |
| Line Filter | Standard Version, IEC 60939, IEC 60601-1, UL 1283, UL 544, EN 133 200, CSA C22.2 no. 8 Technical details |
| MTBF | > 3'100'000h acc. to MIL-HB-217 F |

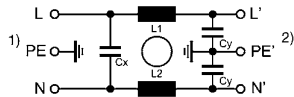
Dimensions

Technical Data of Filter-Components

| Rated Current [A] | Filter-Type | Inductances L [mH] | Capacitance CX [nF] | Capacitance CY [nF] |
|-------------------|------------------|--------------------|---------------------|---------------------|
| 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



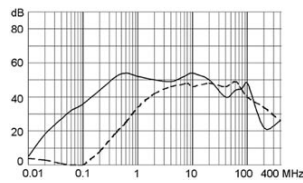
- 1) Line
- 2) Load

Attenuation Loss

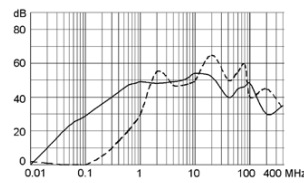
..... 0.1/100Ω differential mode 100/0.1Ω differential mode - - - differential mode ____ common mode

Standard version

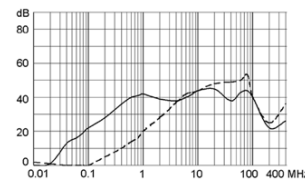
1 A



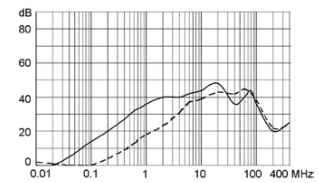
2 A



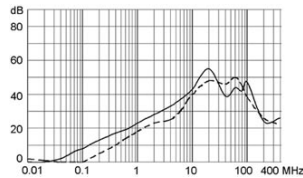
4 A



6 A



10 A



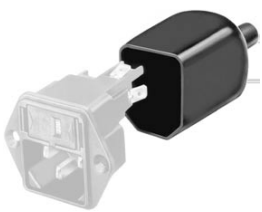

Variants

| 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 |




Packaging unit

10 Pcs

Accessories

| Description | | |
|---|------------------------------|-----------|
|  | Assorted Covers | |
| | Rear Cover | 0859.0048 |
|  | Cord retaining kits | |
| | Cord retaining strain relief | |
| | Flat head, Z | 0888.0021 |
| | 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 |
| | IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder or Quick-connect Terminal | 5092 |
| | Appliance Outlet further types to KFS | |
|  | Connector Overview complete | |
| | IEC Connector C15, Rewireable, Straight | 0101 |
| | 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 |
| | Connector further types to KFS | ... |
|  | Power Cord Overview complete | |
| | Power Cord with IEC Connector C13, Angled | 0311 |
| | Power Cord with IEC Connector C13, Angled | 3011 |
| | Power Cord with IEC Connector C13, Angled | 3012 |
| | Power Cord with IEC Connector C13, Angled | 3013 |
| | Power Cord with IEC Connector C13 | 3020 |
| | Power Cord further types to KFS | ... |