IEC Appliance Inlet C14 with Filter



C14

70° C

## 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 License Number: 40004665
- UL License 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
General Product Information

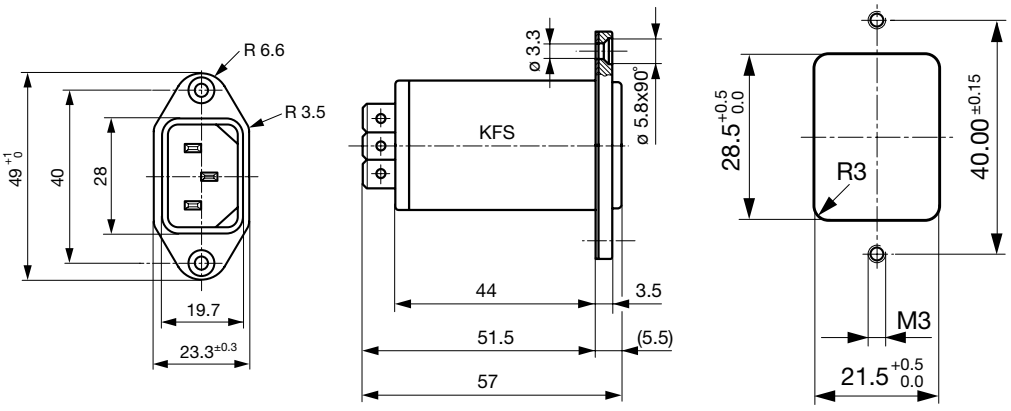
## Weblinks
Approvals, RoHS, CHINA-RoHS, Mating Connectors, e-Store, Distributor-Stock-Check, Accessories

## Technical Data

| | |
|---|---|
| Ratings IEC | 1 - 10 A @ Ta 40 °C / 250 VAC; 50 Hz |
| Ratings UL/CSA | 1 - 10 A @ Ta 40 °C / 125 VAC; 60 Hz |
| Leakage Current | standard < 0.5 mA (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) |
| 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 1 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/EN 60320-1, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class 1 |
| Line Filter | Standard Version, IEC 60939, IEC 60601-1, UL 1283, UL 544, EN 133 200, CSA C22.2 no. 8<br>Technical details |
| MTBF | > 3'100'000 h acc. to MIL-HB-217 F |

## Dimensions

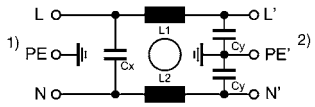


## Technical Data of Filter-Components

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



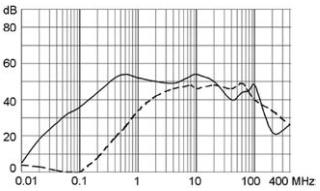

1) Line
2) Load

## Attenuation Loss

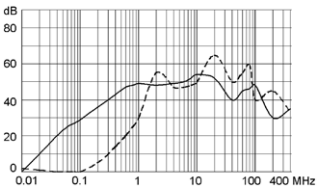
- - - - differential mode _____ common mode

Standard version

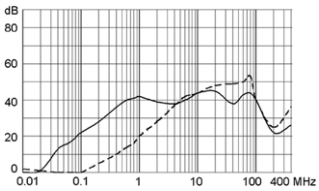
1 A



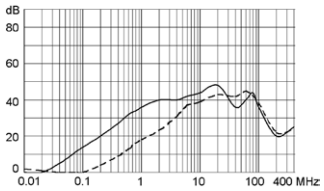

2 A



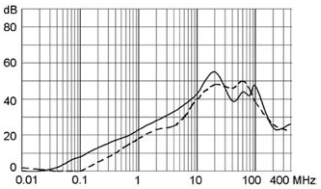

4 A




6 A




10 A

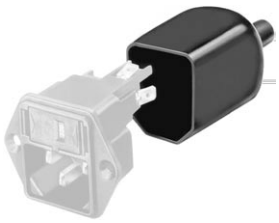



## Variants

| 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<br>Rear Cover | |
| | 0859.0048 |
|  Cord retaining kits<br>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 or Quick-connect 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 | ... |

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments.