

Inlet filter, front side mounting



Screw-On Version

**Description**

- Panel Mount:
Screw-on 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](#)

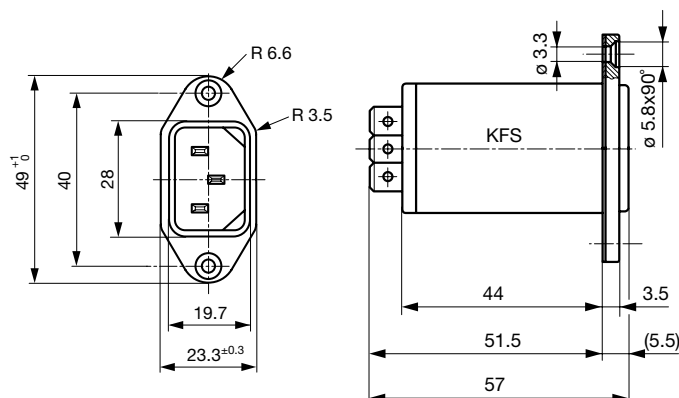
Weblinks

[Approvals](#), [RoHS](#), [CHINA-RoHS](#), [e-Store](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#)

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 (2 sec)
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 I acc. to IEC 61140
Terminal	Quick connect terminals 6.3 x 0.8 mm
Panel Thickness s	Screw-on: max 8mm 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 I
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

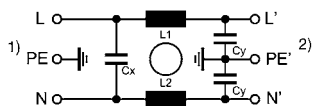
Dimensions

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



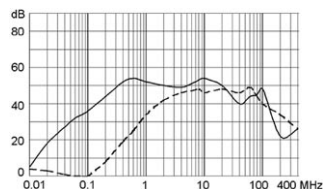
- 1) Line
2) Load

Attenuation Loss

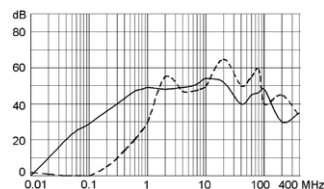
- - - differential mode ____ common mode

Standard version

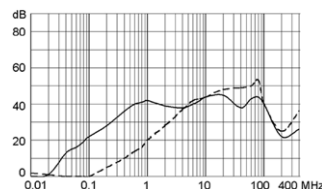
1 A



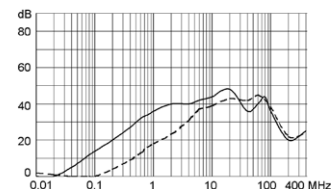
2 A



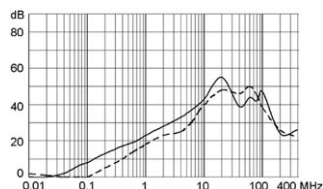
4 A



6 A



10 A



Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

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

Accessory

Description



Assorted Covers
Rear Cover

0859.0048



Cord retaining kits
Cord retaining strain relieve

Flat head, Z

0888.0021

Countersunk, C

4700.0003

Passende Dose

Category / Description

Appliance Outlet



IEC appliance outlet F, screw-on mounting, front side, solder /quick connect terminal

4787

IEC appliance outlet F, screw-on mounting, front side, solder /quick connect terminal

4788

IEC appliance outlet F oder H, screw-on mounting, front side, solder/PCB/quick connect terminal

5091

IEC appliance outlet F oder H, screw-on mounting, front side, solder/quick connect terminal

5092

Connector



IEC cord connector C15, rewirable, straight

0101

IEC cord connector C15A, rewirable, straight

0102

IEC cord connector C15A, rewirable, straight

0102-G

IEC cord connector C15A, rewirable, angled

0112

IEC cord connector C13, rewirable, angled

4012

IEC cord connector C13, rewirable, angled

4013

IEC cord connector C13, rewirable, straight

4020

IEC cord connector C13, rewirable, straight

4021

IEC cord connector C13, rewirable, straight

4022

IEC cord connector C13, rewirable, angled

4300-06

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Power Supply or Interconnection Cord



Power Cord with IEC Appliance Connector C13, angled, 70°C

0311

Power Cord with IEC Appliance Connector C13, angled, 70°C

3011

Power Cord with IEC Appliance Connector C13, angled, 70°C

3012

Power Cord with IEC Appliance Connector C13, angled, 70°C

3013

Power Cord with IEC Appliance Connector C13, 70°C

3020

Power Cord with IEC Appliance Connector C13, straight, 70°C

3027

Power Cord with IEC Appliance Connector C13, straight, 70°C

302U

Power Cord with IEC Appliance Connector C13, straight, 70°C

3030

Power Cord with IEC Appliance Connector C13, angled, 70°C

311L

Power Cord with IEC Appliance Connector C13, angled, 70°C

312L

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