Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

IEC Appliance Inlet C14 with Filter

V-Lock

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 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, Distributor-Stock-Check, Accessories, Detailed request for product

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 - 10 A @ Ta 40 °C / 250 VAC; 50 Hz	appliance inlet/-outlet	C14 acc. to IEC 60320-1, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class I
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 > 2.7 kVDC between L/N-PE Test voltage (2 sec)	Line Filter	Standard Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
Impulse Withstand Voltage	> 2.5 kV between L-N (CX2) > 5 kV between L/N-PE	MTBF	> 3'100'000 h acc. to MIL-HB-217 F
Allowable Operation Temperature	-25 °C to 85 °C		
Climatic Category	25/085/21 acc. to IEC 60068-1		
IP-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 Mounting screw torque max 0.5 Nm		
Material: Housing	Thermoplastic, black, UL 94V-0		

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in General Product Information

Dimension
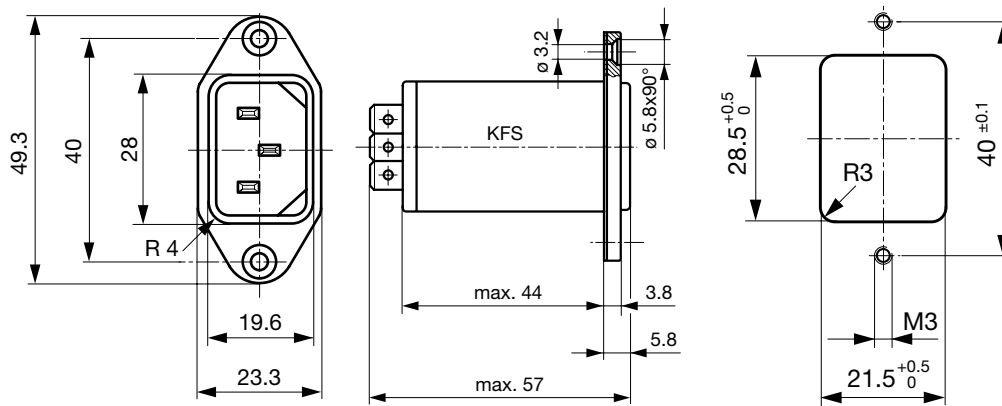
Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance 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
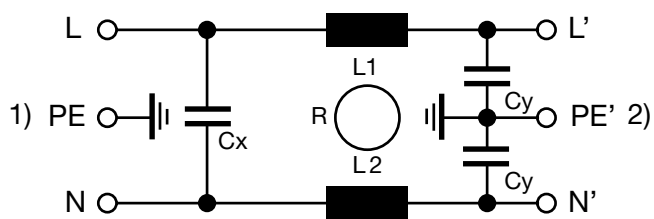
1) Line
2) Load

Attenuation Loss

Standard version

- - - - 50Ω differential mode   _____ 50Ω common mode

1 A
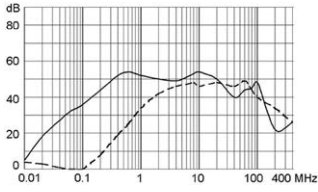
2 A
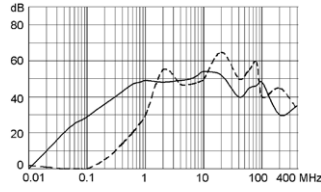
4 A
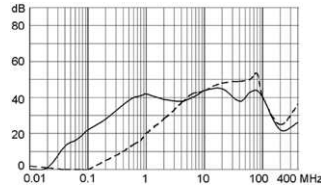
6 A
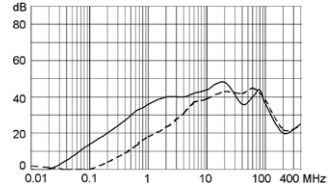
10 A
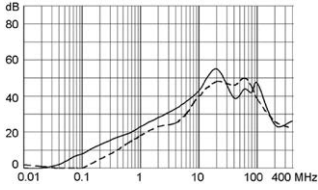
All Variants

Type	Rated Current [A]	Filter-Type	CX Class	V-Lock	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

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

Appliance Outlet further types to KFS

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 KFS	...

Mating Outlets/Connectors shuttered

Power Cord Overview complete

VAC13KS, Overview, diverse Connector IEC C13, cord end:	VAC13KS

Power Cord further types to KFS

25.04.2017