Chipsmall

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 C20 with Filter, Line Switch 2-pole

Standard- or Medical-Filter

V-Lock

C20

70° C

RoHS COMPLIANT

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

Approvals
- VDE Certificate Number: 40001522
- UL File Number: E72928

Characteristics
- All single elements are already wired
- Line switch non-illuminated
- With EMC-shield
- Ideal for application with high transient loads
- Suitable for use in equipment according to IEC/UL 60950
  Suitable for use in medical equipment according to IEC/UL 60601-1

Other versions on request
- Line switch, illuminated
- Line switch with other rocker marking
- Variant with notch for V-Lock mating Cordsets

References
Alternative: version without line filter   EC11
Alternative: Standard version

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	12 - 16 A @ Ta 40 °C / 250 VAC; 50 Hz	appliance inlet/-outlet	C20 acc. to IEC 60320-1, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 16 A, Protection Class I
Ratings UL/CSA	12 - 20 A @ Ta 40 °C / 125/250 VAC; 60 Hz		
Leakage Current	standard < 0.5 mA (250 V / 60 Hz) medical < 5 µA (250 V / 60 Hz)	Line Switch	Rocker switch 2-pole, non-illuminated, acc. to IEC 61058-1 Technical Details
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec)	Line Filter	Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
Allowable Operation Temperature	-25 °C to 85 °C	MTBF	> 1'700'000 h acc. to MIL-HB-217 F
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
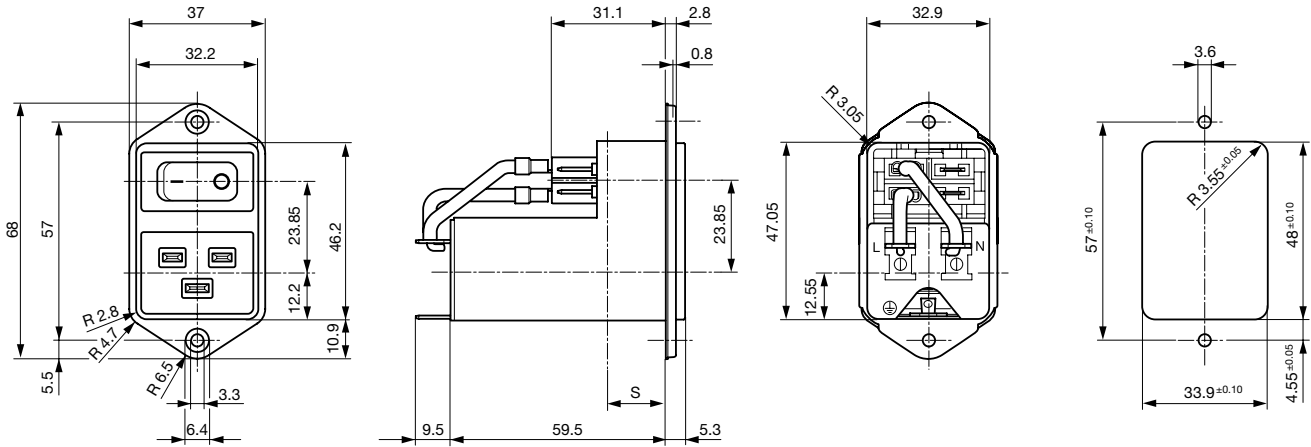
Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [MΩ]
12	Standard Version	2 x 0.8	100	2.2	1
16	Standard Version	2 x 0.6	100	2.2	1
20	Standard Version	2 x 0.3	100	2.2	1
12	Medical Version (M5)	2 x 0.8	100	-	1
16	Medical Version (M5)	2 x 0.6	100	-	1
20	Medical Version (M5)	2 x 0.3	100	-	1

Diagrams

Standard version

Medical version (M5)
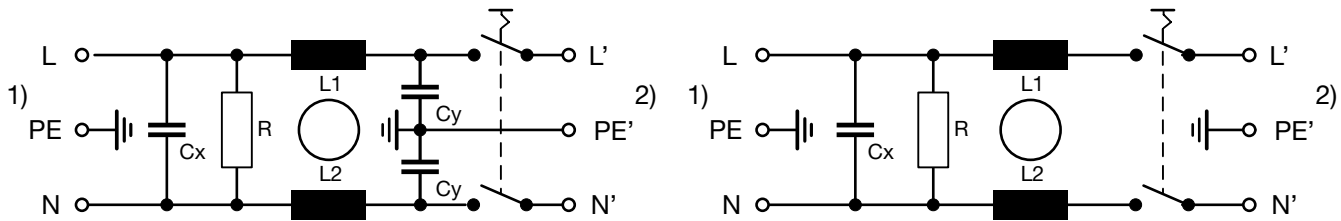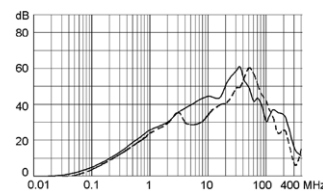

1) Line
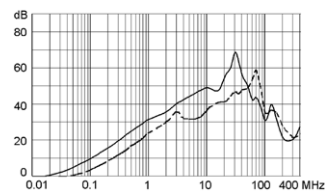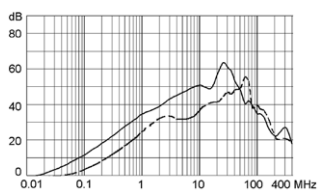2) Load

1) Line
2) Load

Attenuation Loss

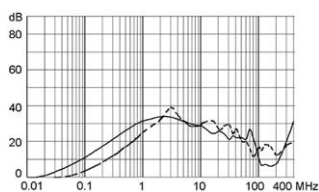- - - - 50Ω differential mode _____ 50Ω common mode

Standard version

12 A

16 A

20 A

Medical version (M5)
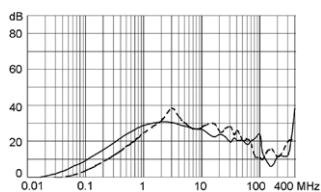
12 A	16 A	20 A
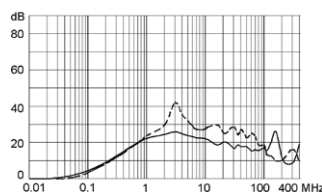
All Variants

Rated Current [A]	Filter-Type	Internally wired	Line Switch	V-Lock	Order Number	
12	Standard Version	●	2-pole		EC12.3101.001	▮
12	Standard Version	●	2-pole	●	EC12.3101.001.21	
16	Standard Version	●	2-pole		EC12.2101.001	▮
20	Standard Version	●	2-pole		EC12.1101.001	▮
12	Standard Version		2-pole		EC12.3101.002	
16	Standard Version		2-pole		EC12.2101.002	
20	Standard Version		2-pole		EC12.1101.002	
12	Medical Version (M5)	●	2-pole		EC12.3201.001	
16	Medical Version (M5)	●	2-pole		EC12.2201.001	
16	Medical Version (M5)	●	2-pole	●	EC12.2201.001.21	
20	Medical Version (M5)	●	2-pole		EC12.1201.001	
12	Medical Version (M5)		2-pole		EC12.3201.002	
16	Medical Version (M5)		2-pole		EC12.2201.002	
20	Medical Version (M5)		2-pole		EC12.1201.002	

▮ Most Popular.

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

Packaging unit　　20 Pcs

Accessories

Description		
	Wire Harness Wire harness for SCHURTER products	
	Assorted Covers Rear Cover	
		0859.0108

Cord retaining kits
Cord retaining strain relief

Flat head, Z	0888.0021
Flat head, H	4700.0008

Mating Outlets/Connectors

Category / Description

Connector Overview complete

IEC Connector C19, Rewireable, Straight	4795
IEC Connector C19, Rewireable, Angled	4790
IEC Connector C19, Rewireable, Straight	0104U

Connector further types to EC12

Mating Outlets/Connectors shuttered

Power Cord Overview complete

Overview Power Cord with IEC Appliance Connector C19, V-Lock, straight	VAC19KS

Power Cord further types to EC12

25.04.2017