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 C14 with Filter, Line Switch 1- or 2-pole, PCB Mounting

Standard- or Medical-Filter

V-Lock

C14

70° C

Description
- Panel Mount :
  Screw-on mounting on PCB from rear-side
- 3 Functions :
  Appliance Inlet Protection class I , Line Switch 1- or 2-pole , Line filter in standard and medical version
- For PCB mounting

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

Characteristics
- Ultra-compact design
- All single elements are already wired
- Line switch non-illuminated or illuminated
- With EMC-shield
- Especially suitable for use in switching power supplies
  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
- Fixing on PCB with self-tapping screws 3 mm or pre-inserted nuts M3
- Other rocker marking
- Illuminated green
- Medical version M80
- Capacitance CX1

References
Alternative: version without line filter   DC21
Alternative: Standard version   DC21

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.
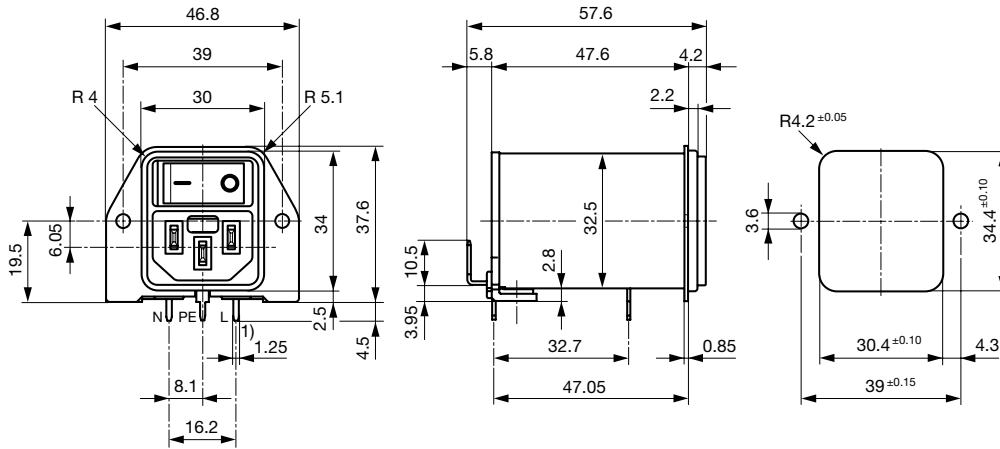
Technical Data

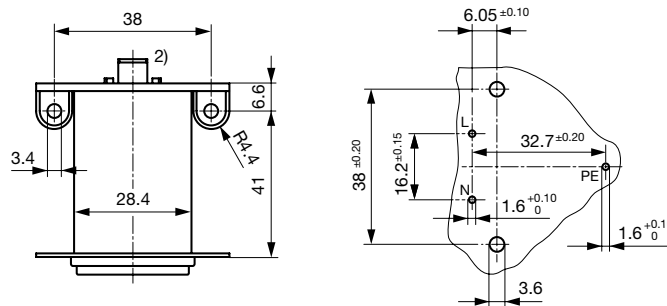|			
Ratings IEC	1 - 10 A @ Ta 40 °C / 250 VAC; 50 Hz	appliance inlet/-outlet	C14 acc. to IEC 60320-1, UL 498 CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class I
Ratings UL/CSA	1 - 10 A @ Ta 40 °C / 125 VAC; 60 Hz		
Leakage Current	standard < 0.5 mA (250 V / 60 Hz) medical < 5 µA (250 V / 60 Hz)		
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec)	Line Switch	Rocker switch 1 or 2 pole, non-illuminated or illuminated red, acc. to IEC 61058-1 Technical Details
Allowable Operation Temperature	-25 °C to 85 °C		
Climatic Category	25/085/21 acc. to IEC 60068-1	Line Filter	Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
IP-Protection	from front side IP 40 acc. to IEC 60529		
Protection Class	Suitable for appliances with protection class I acc. to IEC 61140	MTBF	> 2'100'000 h acc. to MIL-HB-217 F
Terminal	For PCB mounting ; Ground terminal: Quick connect terminals 6.3 x 0.8 mm angled to pin axis		
Panel Thickness s	Screw: max 4 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
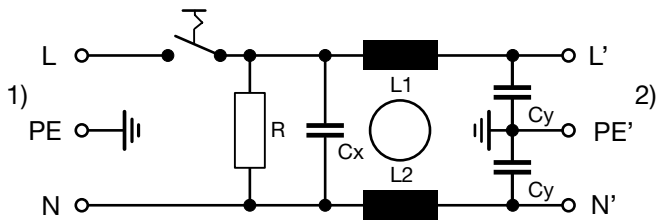General Product Information

Dimension
Screw-on mounting

1) all pins

2) PE additionally as quick-connect terminal 6.3 x 0.8

Technical Data of Filter-Components

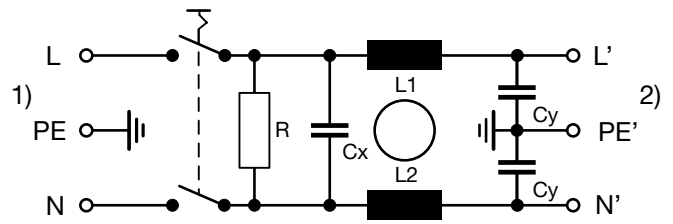| Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [MΩ]
1	Standard Version	2 x 10	100	2.2	1
2	Standard Version	2 x 4	100	2.2	1
4	Standard Version	2 x 1.5	100	2.2	1
6	Standard Version	2 x 0.8	100	2.2	1
10	Standard Version	2 x 0.3	100	2.2	1
1	Medical Version (M5)	2 x 10	100	-	1
2	Medical Version (M5)	2 x 4	100	-	1
4	Medical Version (M5)	2 x 1.5	100	-	1
6	Medical Version (M5)	2 x 0.8	100	-	1
10	Medical Version (M5)	2 x 0.3	100	-	1

Diagrams

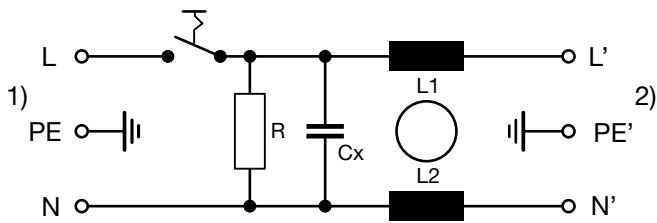### Standard filter 1-pole

1) Line
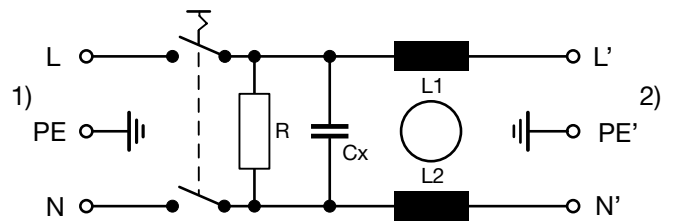2) Load

Standard filter 2-pole

1) Line
2) Load

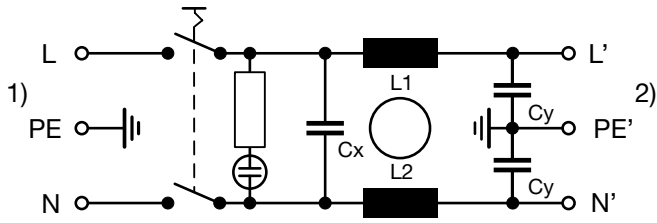### Medical filter 1-pole (M5)

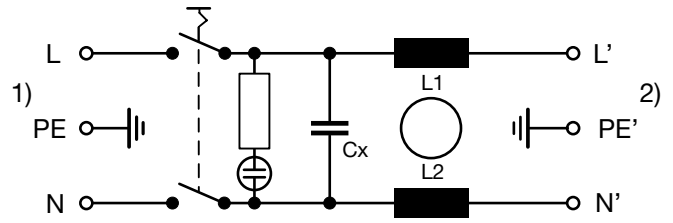1) Line
2) Load

Medical filter 2-pole (M5)

1) Line
2) Load

Standard filter 2-pole illuminated

1) Line
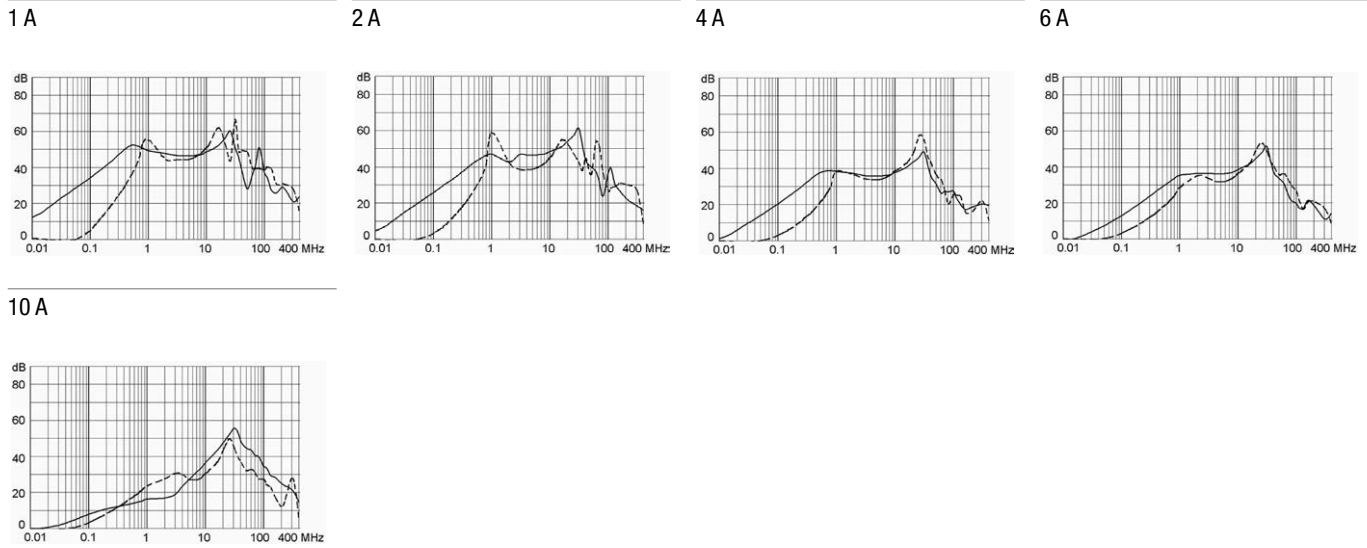2) Load

Medical Filter 2-pole (M5) illuminated

1) Line
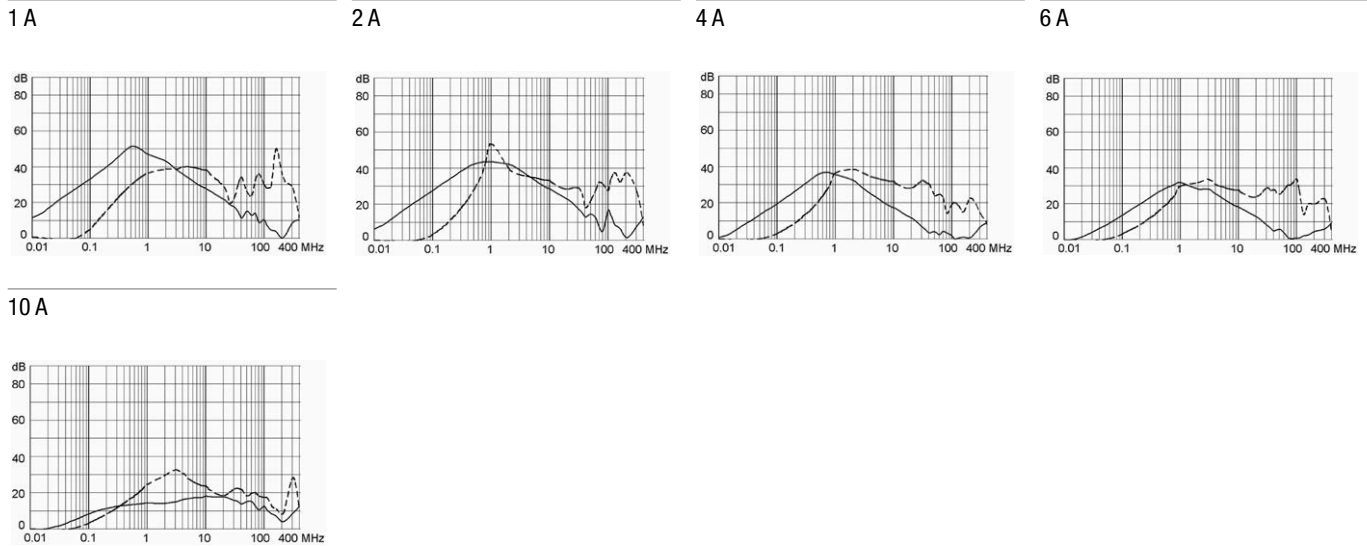2) Load

Attenuation Loss

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

Standard version

1 A	2 A	4 A	6 A

10 A

Medical version (M5)

1 A	2 A	4 A	6 A

10 A

All Variants

Rated current	Filter-Type	Line Switch	Illumination	Color	V-Lock
1	Standard Version	1-pole		-	1
2	Standard Version	1-pole		-	1
4	Standard Version	1-pole		-	1
6	Standard Version	1-pole		-	1
10	Standard Version	1-pole		-	1
1	Standard Version	2-pole		-	1
2	Standard Version	2-pole		-	1
4	Standard Version	2-pole		-	1
6	Standard Version	2-pole		-	1
10	Standard Version	2-pole		-	1
1	Standard Version	2-pole	●	red	1
2	Standard Version	2-pole	●	red	1
4	Standard Version	2-pole	●	red	1
6	Standard Version	2-pole	●	red	1
10	Standard Version	2-pole	●	red	1

Rated current	Filter-Type	Line Switch	Illumination	Color	V-Lock
1	Medical Version (M5)	2-pole		-	1
2	Medical Version (M5)	2-pole		-	1
4	Medical Version (M5)	2-pole		-	1
6	Medical Version (M5)	2-pole		-	1
10	Medical Version (M5)	2-pole		-	1
1	Medical Version (M5)	2-pole	●	red	1
2	Medical Version (M5)	2-pole	●	red	1
4	Medical Version (M5)	2-pole	●	red	1
6	Medical Version (M5)	2-pole	●	red	1
10	Medical Version (M5)	2-pole	●	red	1

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

Cord retaining kits
Cord retaining strain relief

Flat head, H	4700.0008

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 DC22

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 DC22   ...

Mating Outlets/Connectors shuttered

Power Cord Overview complete

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

Power Cord further types to DC22

25.04.2017