

IEC Appliance Inlet C20 with Filter, ECO design, front or rear side Mounting

Standard- or Medical-Filter



V-Lock

new

Screw-on or rivet mounting from front or rear side
Screw-On VersionScrew-on mounting from rear side, integrated thread
Screw-On Version

Snap-in mounting from front side

C20



70° C

**Description**

- Panel Mount:
Screw-on version from front or rear side, snap-in version from front side
- 2 Functions:
Appliance Inlet Protection class I, Line filter in standard and medical version
- Quick connect terminals

Approvals

- VDE Certificate Number: 104884
- UL File Number: E72928

Characteristics

- Optimal shielding due to completely closed filter case, unpotted
- Suitable for assembly in metal plated plastic housings
- Version with class X1 and X2 (standard version) capacitors
- Universal line filter for standard applications
- Designed for standard and medical applications
- Qualified for use in equipment according IEC/EN 60950

Other versions on request

- Solder terminals
- Medical version M80
- Capacity CX 330 nF

References

Fits to type: Cord Sets 15 A; 4790; 4795 Cord Sets 15 A; 0104; 0104U; 1651; 1652; 1654; 4790; 4795

Alternative: Standard version

Weblinks

[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Wire Harness](#), [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.

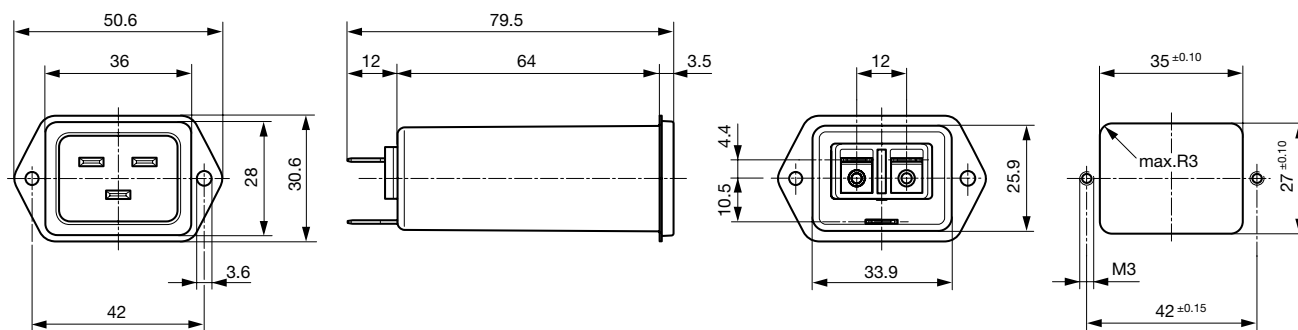
Technical Data

Ratings IEC	16A @ Ta 40 °C / 250VAC; 50Hz
Ratings UL/CSA	20A @ Ta 40 °C / 250VAC; 60Hz
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)
Impulse Withstand Voltage	> 2.5 kV between L-N (CX2) > 4 kV between L-N (CX1) > 5 kV between L/N-PE (Cy2) voltage (1.2/50 µs)
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 terminal 6.3 x 0.8 mm
Panel Thickness s	Screw: max 8 mm Mounting screw torque max 0.5 Nm Snap-in: 0.8 mm to 3 mm (all steps with one variant)
Material: Housing	Thermoplast / steel tin-plated, black / metallic, UL 94V-0

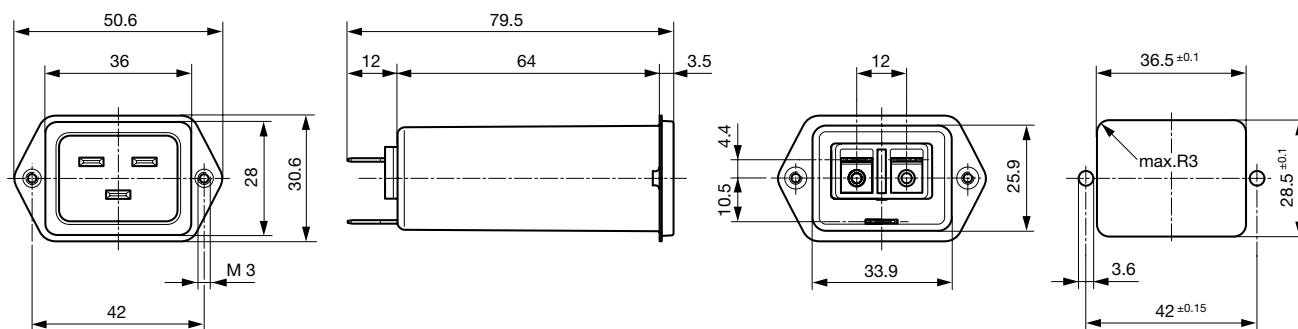
Appliance-Inlet/-Outlet	C20 acc. to IEC 60320, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 16A, Protection Class I
Line Filter	Standard and Medical Version, IEC 60939, IEC 60601-1, UL 1283, UL 544, EN 133 200, CSA C22.2 no. 8 Technical Details
MTBF	> 3'000'000 h acc. to MIL-HB-217 F

Dimensions

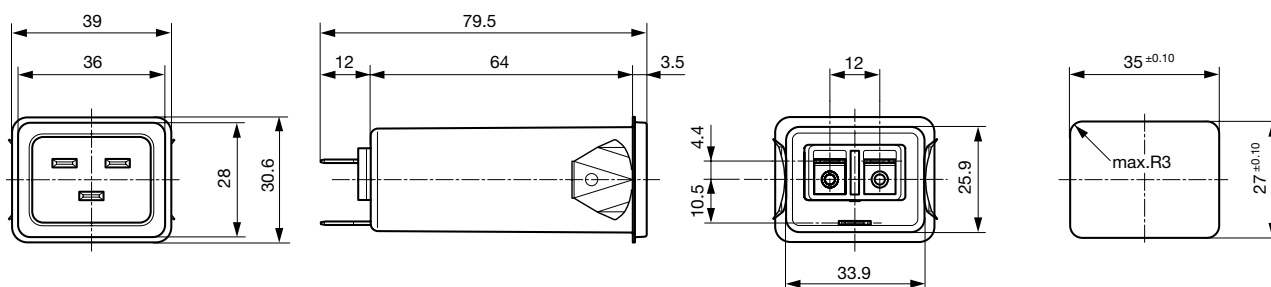
Front or rear side mounting for screws with nuts or blind rivets



Rear side mounting with pre-formed, threaded holes for M3 screws



Snap-in mounting from front side

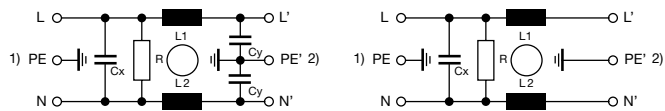


Technical Data of Filter-Components

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

Diagrams

Standard or medical version (M80) Medical version

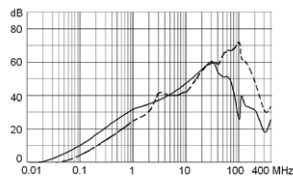
1) Line
2) Load1) Line
2) Load

Attenuation Loss

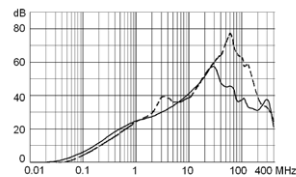
--- differential mode ____ common mode

Standard version

16 A

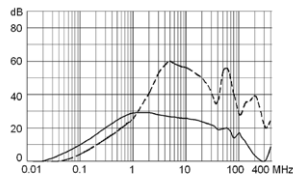


20 A

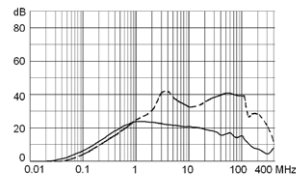


Medical version (M5)

16 A



20 A



Variants

Rated Current IEC [A]	Rated Current UL [A]	Filter-Type	Panel mounting	Mounting side	Terminal	Capacitor	Order Number
16	16	Standard Version	Screw-on/Rivet	Front-Side	Quick connect terminals 6.3 x 0.8	X2 100nF	5130.0000
16	20	Standard Version	Screw-on/Rivet	Front-Side	Quick connect terminals 6.3 x 0.8	X2 100nF	5130.0001
16	16	Standard Version	Screw-on/Rivet	Front-Side	Quick connect terminals 6.3 x 0.8	X1 100nF	5130.0100
16	20	Standard Version	Screw-on/Rivet	Front-Side	Quick connect terminals 6.3 x 0.8	X1 100nF	5130.0101
16	16	Standard Version	Screw	Rear-Side	Quick connect terminals 6.3 x 0.8	X2 100nF	5130.1000
16	20	Standard Version	Screw	Rear-Side	Quick connect terminals 6.3 x 0.8	X2 100nF	5130.1001
16	16	Standard Version	Screw	Rear-Side	Quick connect terminals 6.3 x 0.8	X1 100nF	5130.1100
16	20	Standard Version	Screw	Rear-Side	Quick connect terminals 6.3 x 0.8	X1 100nF	5130.1101
16	16	Standard Version	Snap-in	Front-Side	Quick connect terminals 6.3 x 0.8	X2 100nF	5130.2000
16	20	Standard Version	Snap-in	Front-Side	Quick connect terminals 6.3 x 0.8	X2 100nF	5130.2001
16	16	Standard Version	Snap-in	Front-Side	Quick connect terminals 6.3 x 0.8	X1 100nF	5130.2100
16	20	Standard Version	Snap-in	Front-Side	Quick connect terminals 6.3 x 0.8	X1 100nF	5130.2101
16	16	Medical Version (M5)	Screw-on/Rivet	Front-Side	Quick connect terminals 6.3 x 0.8	X2 100nF	5130.0200
16	20	Medical Version (M5)	Screw-on/Rivet	Front-Side	Quick connect terminals 6.3 x 0.8	X2 100nF	5130.0201
16	16	Medical Version (M5)	Screw-on/Rivet	Front-Side	Quick connect terminals 6.3 x 0.8	X1 100nF	5130.0300
16	20	Medical Version (M5)	Screw-on/Rivet	Front-Side	Quick connect terminals 6.3 x 0.8	X1 100nF	5130.0301

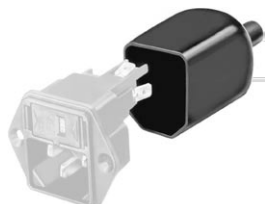
Rated Current IEC [A]	Rated Current UL [A]	Filter-Type	Panel mounting	Mounting side	Terminal	Capacitor	Order Number
16	16	Medical Version (M5)	Screw	Rear-Side	Quick connect terminals 6.3 x 0.8	X2 100nF	5130.1200
16	20	Medical Version (M5)	Screw	Rear-Side	Quick connect terminals 6.3 x 0.8	X2 100nF	5130.1201
16	16	Medical Version (M5)	Screw	Rear-Side	Quick connect terminals 6.3 x 0.8	X1 100nF	5130.1300
16	20	Medical Version (M5)	Screw	Rear-Side	Quick connect terminals 6.3 x 0.8	X1 100nF	5130.1301
16	20	Medical Version (M5)	Snap-in	Front-Side	Quick connect terminals	X1 100nF	5130.2301
16	16	Medical Version (M5)	Snap-in	Front-Side	Quick connect terminals 6.3 x 0.8	X2 100nF	5130.2200
16	20	Medical Version (M5)	Snap-in	Front-Side	Quick connect terminals 6.3 x 0.8	X2 100nF	5130.2201
16	16	Medical Version (M5)	Snap-in	Front-Side	Quick connect terminals 6.3 x 0.8	X1 100nF	5130.2300

Type for screw on mounting from rear side has pre-threaded holes for M3 screws

Packaging unit 20 Pcs

Accessories

Description



[Assorted Covers](#)
Rear Cover



[Wire Harness](#)
Wire harness for SCHURTER products



[Cord retaining kits](#)
Cord retaining strain relief

Mating Inlets/Plugs

Category / Description



[Connector Overview complete](#)

IEC Connector C19, Rewireable, Angled

[4790](#)

IEC Connector C19, Rewireable, Straight

[4795](#)

[Connector further types to 5130](#)



[Power Supply or Interconnection Cord Overview complete](#)

[Diverse Power Supply and Interconnection Cords 16 A](#)

[Cord Sets 15 A](#)

[Power Supply or Interconnection Cord further types to 5130](#)

Mating Outlets/Connectors

[Connector Overview complete](#)



[IEC Connector C19, Rewireable, Straight](#)

[0104](#)

[IEC Connector C19, Rewireable, Straight](#)

[0104U](#)

[IEC Connector C19, Rewireable, Angled](#)

[1651](#)

[IEC Connector C19, Rewireable, Straight](#)

[1652](#)

[IEC Connector C19, Rewireable, Angled](#)

[4790](#)

[Connector further types to 5130](#)

[...](#)



[Power Cord Overview complete](#)

[Power Cord with IEC Connector C19, Straight](#)

[1654](#)

[Power Cord further types to 5130](#)



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[Diverse Power Supply and Interconnection Cords 16 A](#)

[Cord Sets 15 A](#)

[Power Supply or Interconnection Cord further types to 5130](#)

Mouser Electronics

Authorized Distributor

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Schurter:

<u>5130.0301</u>	<u>5130.1201</u>	<u>5130.2100</u>	<u>5130.2001</u>	<u>5130.0001</u>	<u>5130.1001</u>	<u>5130.0000</u>	<u>5130.1101</u>	<u>5130.0201</u>	<u>5130.2201</u>
<u>5130.2000</u>	<u>5130.0300</u>	<u>5130.2101</u>	<u>5130.1200</u>	<u>5130.0101</u>	<u>5130.1301</u>	<u>5130.1000</u>	<u>5130.0200</u>	<u>5130.2200</u>	<u>5130.1100</u>
<u>5130.1300</u>	<u>5130.2300</u>	<u>5130.2301</u>	<u>5130.0100</u>	<u>5130.0401</u>	<u>5130.0501</u>	<u>5130.0601</u>	<u>5130.1601</u>	<u>5130.2601</u>	<u>5130.04</u>
<u>5130.05</u>	<u>5130.06</u>	<u>5130.16</u>	<u>5130.26</u>						