Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

Schurter
5130.0000

For any questions, you can email us directly:
sales@integrated-circuit.com

Power Entry Modules with Line Filter
www.schurter.com/PG06

5130

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

Standard- or Medical-Filter

V-Lock

Screw-on or rivet mounting from front or rear side
Screw-on Version

Screw-on mounting from rear side, integrated thread
Screw-on Version

Snap-in mounting from front side
Snap-In Version

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

Unique Selling Proposition
- ECO design
- Metal flange for optimal shielding
- Compact design
- V-Lock cord retaining

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

References
Fits to type: 4790; 4795 0104; 0104U; 1651; 1652; 1654; 4790; 4 795; VAC19KS
Alternative: version without line filter 4793; 4798

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.
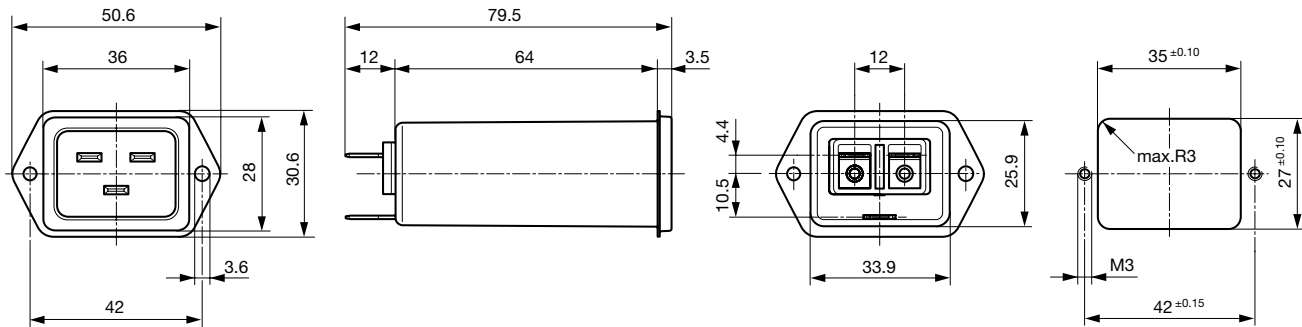
Technical Data

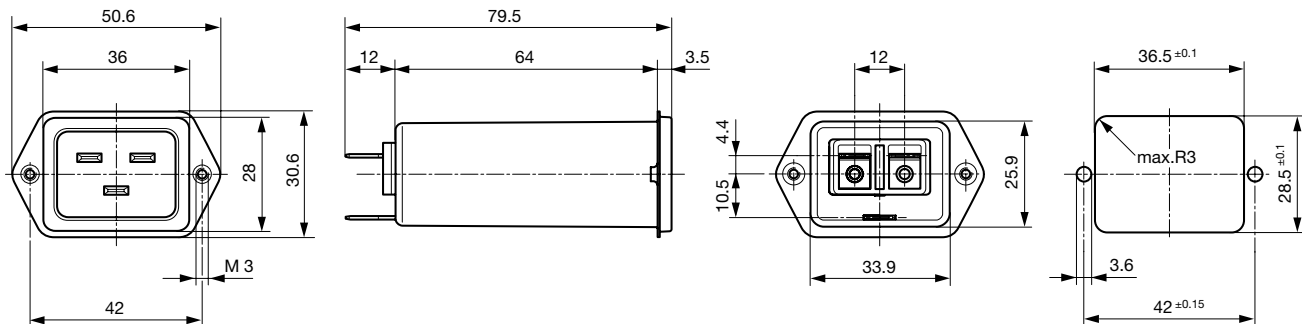|			
Ratings IEC	16 A @ Ta 40 °C / 250 VAC; 50 Hz	Appliance-Inlet/-Outlet	C20 acc. to IEC 60320-1, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 16 A, Protection Class I
Ratings UL/CSA	20 A @ Ta 40 °C / 250 VAC; 60 Hz		
Leakage Current	standard < 0.5 mA (250 V / 60 Hz) medical < 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 Filter	Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
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)	MTBF	> 3'000'000 h acc. to MIL-HB-217 F
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	Themoplast / steel tin-plated, black / metallic, UL 94V-0		

5130

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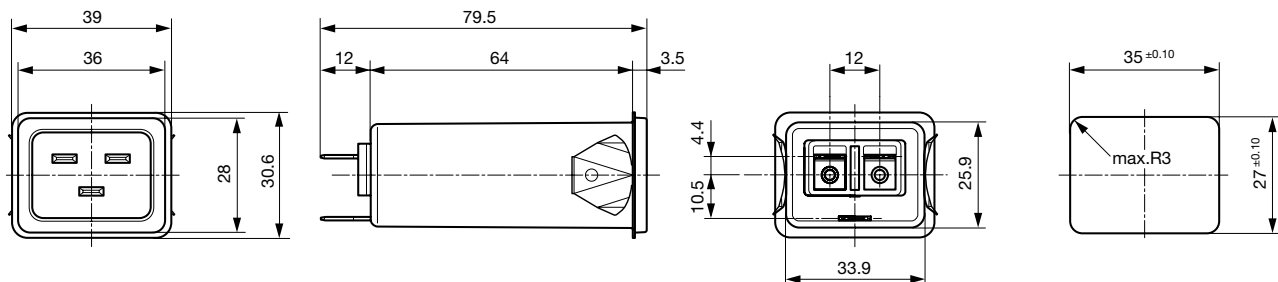www.schurter.com/PG06

Dimensions

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

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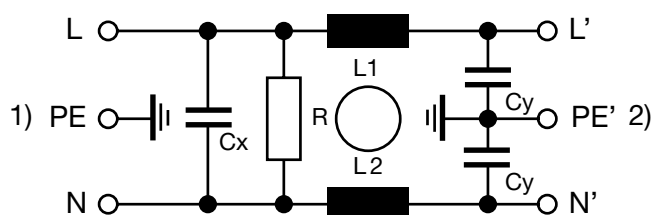

Snap-in mounting from front side

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Technical Data of Filter-Components

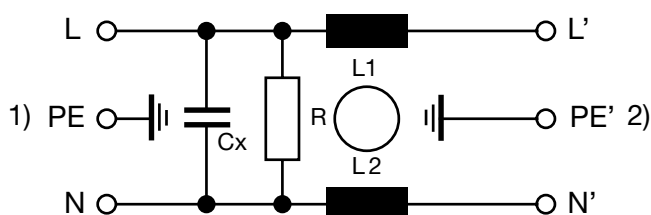| Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [MΩ]
16	Standard Version	2 x 0.6	100	2.2	1
20	Standard Version	2 x 0.3	100	2.2	1
16	Medical Version (M5)	2 x 0.6	100	-	1
20	Medical Version (M5)	2 x 0.3	100	-	1

Diagrams

Standard or medical version (M80)

Medical version (M5)

1) Line
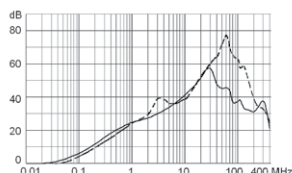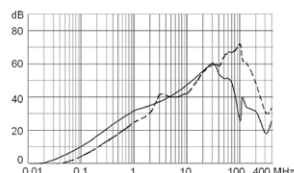2) Load

1) Line
2) Load

Attenuation Loss

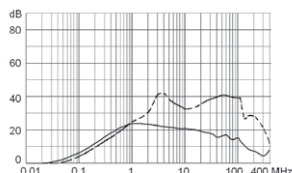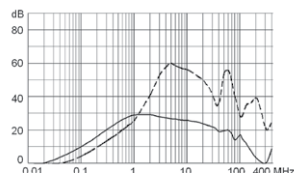- - - - 50Ω differential mode _____ 50Ω common mode

Standard version

16 A

20 A

Medical version (M5)

16 A

20 A

All Variants

Rated Current IEC [A]	Rated Current UL [A]	Filter-Type	Panel mounting	Mounting side	Terminal	Capacitor	Order Number
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	Standard Version	Screw-on/Rivet	Front Side	Quick connect terminals 6.3 x 0.8	X2 100nF	5130.0000
16	16	Standard Version	Screw-on/Rivet	Front Side	Quick connect terminals 6.3 x 0.8	X2 100nF	5130.0000.21
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

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Rated Current IEC [A]	Rated Current UL [A]	Filter-Type	Panel mounting	Mounting side	Terminal	Capacitor	Order Number	
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	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	
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	16	Medical Version (M5)	Screw-on/Rivet	Front Side	Quick connect terminals 6.3 x 0.8	X1 100nF	5130.0300.21	
16	20	Medical Version (M5)	Screw-on/Rivet	Front Side	Quick connect terminals 6.3 x 0.8	X1 100nF	5130.0301	
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	

▮ Most Popular.

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

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

Suffix ".21" corresponds to the version with 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.
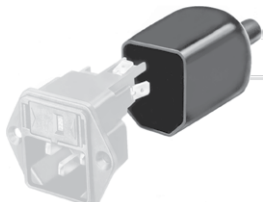
Packaging unit	20 Pcs

Accessories

Description

Wire Harness
Wire harness for SCHURTER products

Assorted Covers
Rear Cover

	0859.0047

Cord retaining kits
Cord retaining strain relief

Flat head, L	4700.0011

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Mating Inlets/Plugs

Category / Description

Connector Overview complete

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

Connector further types to 5130

Mating Outlets/Connectors

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 5130

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 5130