IEC Appliance Inlet C22 for Hot Conditions, with Filter for High Temperatures, Front Side Mounting

Standard- or Medical-Filter

new



C22
155° C

Description
- Panel Mount:
  Screw-on from front side
- 2 Functions:
  Appliance Inlet Protection class I, Line filter in standard and medical version
- Solder, quick connect or wires (stranded)

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

Characteristics
- Compact design with optimal shielding
  Suitable for high ambient temperatures up to 75°C
- 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 60950

Other versions on request
- flexible wire with various lenghts

References
Alternative: version without line filter 1681

Weblinks
pdf-datasheet, html-datasheet, General Product Information, Approvals, CE declaration of conformity, RoHS, CHINA-RoHS, Mating Connectors, e-Shop, SCHURTER-Stock-Check, Distributor-Stock-Check, CAD-Drawings, Accessories, Wire Harnessing, Mounting instruction, Detailed request for product

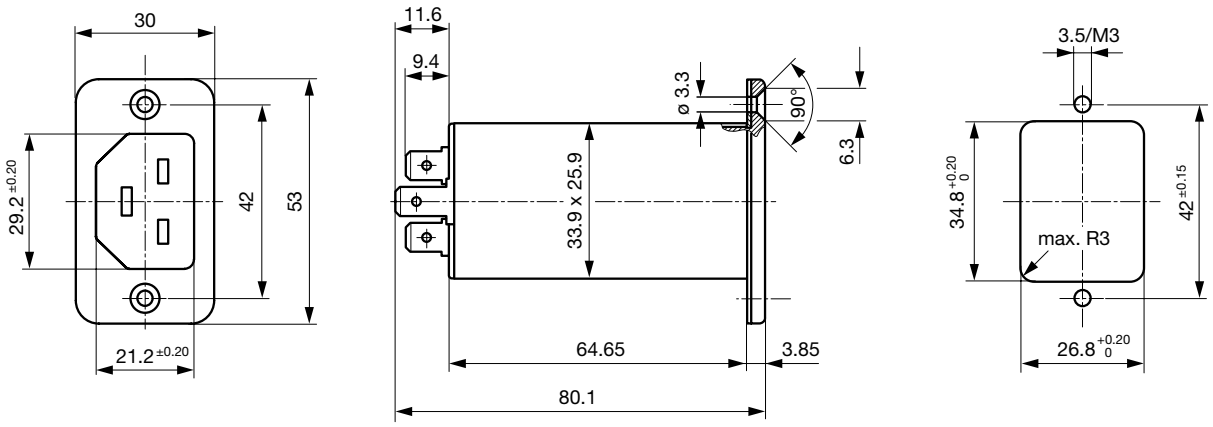
Technical Data

Ratings IEC	16 A @ Ta 75 °C / 250 VAC; 50 Hz
Ratings UL/CSA	20 A @ Ta 65 °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 (Cy2) > 2.7 kVDC between L/N-PE (Cy2) 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 100 °C
Climatic Category	25/100/21 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	Solder, quick connect or wires (stranded)
Panel Thickness s	Screw: max 8 mm Mounting screw torque max 0.5 Nm
Material: Housing	Thermoplastic, black, UL 94V-0

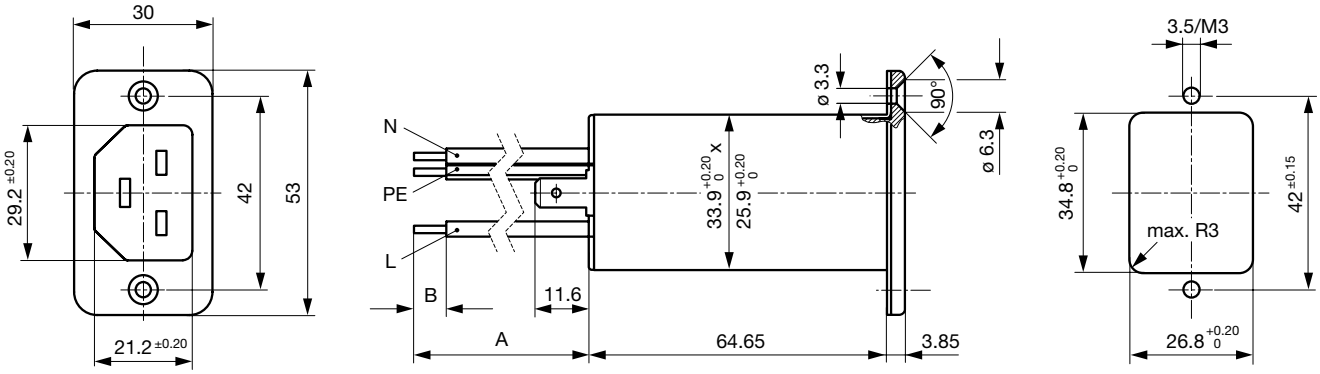
Appliance-Inlet/-Outlet	C22 acc. to IEC 60320, UL 498, CSA C22.2 no. 42 (for hot conditions) pin-temperature 155 °C, 16 A, Protection Class I
Line Filter	Standard and Medical Version, IEC 60939, IEC 60601-1, UL 1283, UL 544, EN 133 200, CSA C22.2 no. 8 Technical Details
MTBF	> 1'400'000 h acc. to MIL-HB-217 F

Dimensions

Screw-on mounting with quick connect terminals



Screw-on mounting with wire leads

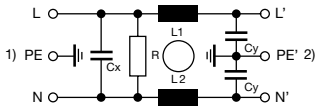


Technical Data of Filter-Components

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
16	Standard Version	2 x 0.6	330	2.2	1
20	Standard Version	2 x 0.3	100	2.2	1
20	Standard Version	2 x 0.3	330	2.2	1
16	Medical Version (M5)	2 x 0.6	100	-	1
20	Medical Version (M5)	2 x 0.3	100	-	1
20	Medical Version (M5)	2 x 0.3	330	-	1
16	Medical Version (M80)	2 x 0.6	100	0.47	1
20	Medical Version (M80)	2 x 0.3	100	0.47	1

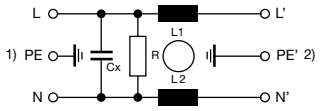
Diagrams

Standard or medical version (M80)



1) Line
2) Load

Medical version



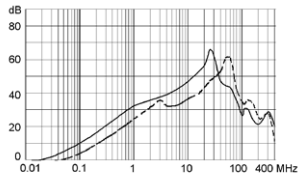
1) Line
2) Load

Attenuation Loss

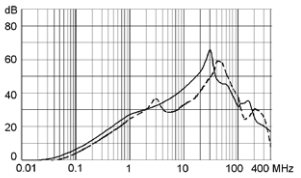
- - - - differential mode _____ common mode

Standard version

16 A

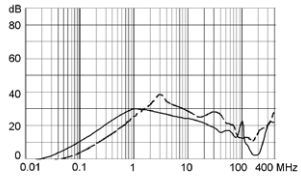


20 A

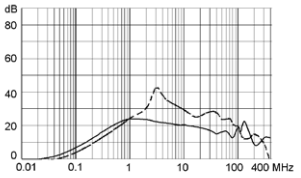


Medical version (M5)

16 A

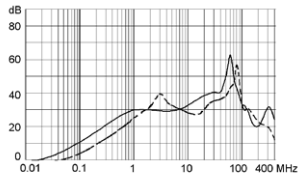


20 A

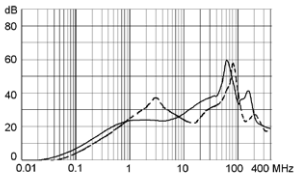


Medical version (M80)

16 A



20 A



Variants

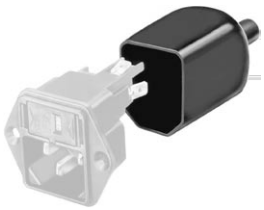
Rated Current IEC [A]	Rated Current UL [A]	Filter-Type	Panel mounting	Mounting side	Terminal	Capacitor	Order Number
16	16	Standard Version	Screw	Front-Side	Quick connect terminals 6.3 x 0.8	X2 330nF	C22F.1107
16	20	Standard Version	Screw	Front-Side	Quick connect terminals 6.3 x 0.8	X2 100nF	C22F.0101
16	16	Standard Version	Screw	Front-Side	Quick connect terminals 6.3 x 0.8	X2 100nF	C22F.1101
16	20	Standard Version	Screw	Front-Side	Quick connect terminals 6.3 x 0.8	X1 100nF	C22F.0103
16	20	Standard Version	Screw	Front-Side	Solder terminal	X2 330nF	C22F.0007
16	20	Standard Version	Screw	Front-Side	Solder terminal	X2 100nF	C22F.0001
16	16	Standard Version	Screw	Front-Side	Solder terminal	X2 100nF	C22F.1001
16	20	Standard Version	Screw	Front-Side	Solder terminal	X1 100nF	C22F.0003
16	20	Medical Version (M5)	Screw	Front-Side	Quick connect terminals 6.3 x 0.8	X2 100nF	C22F.0102
16	16	Medical Version (M5)	Screw	Front-Side	Quick connect terminals 6.3 x 0.8	X2 100nF	C22F.1102
16	20	Medical Version (M5)	Screw	Front-Side	Solder terminal	X2 330nF	C22F.0008
16	20	Medical Version (M5)	Screw	Front-Side	Solder terminal	X2 100nF	C22F.0002
16	16	Medical Version (M5)	Screw	Front-Side	Solder terminal	X2 100nF	C22F.1002

Rated Current IEC [A]	Rated Current UL [A]	Filter-Type	Panel mounting	Mounting side	Terminal	Capacitor	Order Number
16	16	Medical Version (M80)	Screw	Front-Side	Solder terminal	X2 100nF	C22F.1005

Packaging unit 20 Pcs

Accessories

Description



Assorted Covers
Rear Cover



Wire Harness
Wire harness for SCHURTER products

Mating Outlets/Connectors

Category / Description



Interconnection Cord Overview complete

IEC Interconnection cord with IEC Connector C21, straight	6051.5003

Interconnection Cord further types to C22F



Power Supply Cord Overview complete

EU Power Supply Cord with IEC Connector C21, straight	6051.5001
US Power Supply Cord with IEC Connector C21, straight	6051.5002

Power Supply Cord further types to C22F

29.08.2013

SCHURTER ELECTRONIC COMPONENTS

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments.