

Inlet filter, modular assembling

Standard- or Medical-Filter



5411.XX5X.XXX
Appliance inlet
Fuseholder
Line filter



5431.X05X.XXX
Appliance inlet
Appliance outlet
Switch
Line filter



Snap-In Version



Description

- Panel Mount:
Snap-in version from front side
- 2 - 5 Functions:
Appliance Inlet Protection class I, Connector, Line switch 2-pole, Fuseholder for fuse-links 5 x 20 mm 1- or 2-pole, Line filter in standard and medical version
- Solder terminals 3.5 x 0.8 mm or quick connect terminals 6.3 x 0.8 mm
- Alternative: version without line filter [Felcom 64](#)

Approvals

- VDE License Number: 101307
- UL License Number: E72928

Characteristics

- Modular component selection
- Individual components soldered on a printed circuit board
- Plug removal necessary for fuse-link replacement
Fuse drawer meets requirements of medical standard IEC/EN 60601-1
The fuseholder is accessible from the equipment front
- Technical data of filter-components see blockfilter type 5500
- Fully insulated from the rear
- Qualified for use in equipment according IEC/EN 60950

Other versions on request

- Line switch with other rocker marking

Weblinks

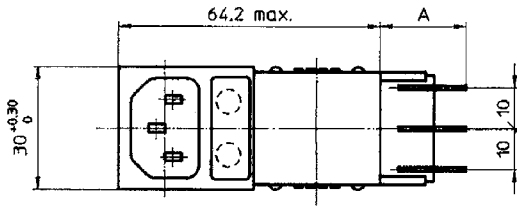
[Approvals](#), [RoHS](#), [CHINA-RoHS](#), [e-Store](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#)

Technical Data

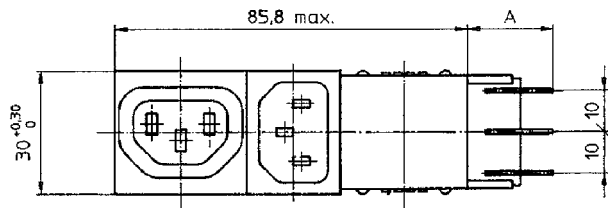
Ratings IEC	1 - 10A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	1 - 10A @ Ta 40 °C / 250 VAC; 60 Hz
Leakage Current	standard < 0.5 mA (250 V / 60 Hz) medical < 5 µA (250 V / 60 Hz)
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec)
Allowable Operation Temp.	-25 °C 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	Solder terminals 3.5 x 0.8 mm or quick connect terminals 6.3 x 0.8 mm
Panel Thickness s	Snap-in: 1/ 1.2/ 1.5/ 2/ 2.5/ 3 mm
Material: Housing	Thermoplastic, black, UL 94V-0

Appliance-Inlet/-Outlet	C14 acc. to IEC/EN 60320-1, F acc. to IEC/EN 60320-2-2, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection class I
Fuseholder	1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20 mm
Rated Power Acceptance @ Ta 23 °C	5 x 20: 2 W (1 pole)/ 1.6 W (2-pole) per pole
Power Acceptance @ Ta > 23 °C	Admissible power acceptance at higher ambient temperature see derating curves
Line Switch	Rocker switch 2-pole, non-illuminated, acc. to IEC 61058-1 Technical details
Line Filter	Standard 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

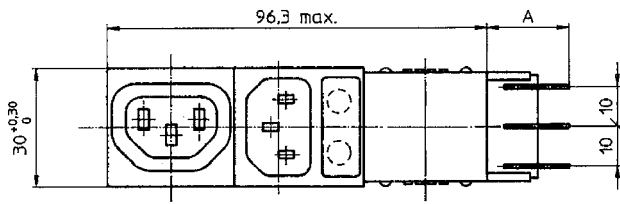
Dimensions



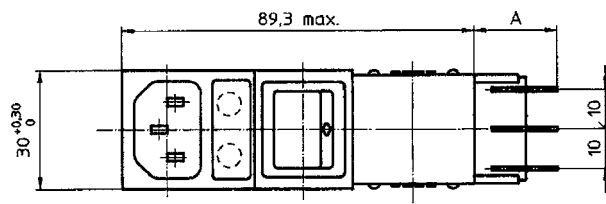
Variants 5411.XX5X.XXX
Mounting Ø: 63+0,2 x 27.6+0,2



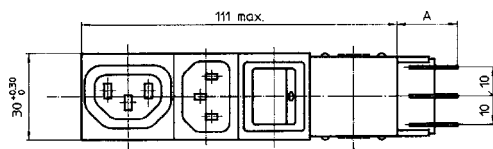
Variants 5421.X05X.XXX
Mounting Ø: 85.9+0,2 x 27.6+0,2



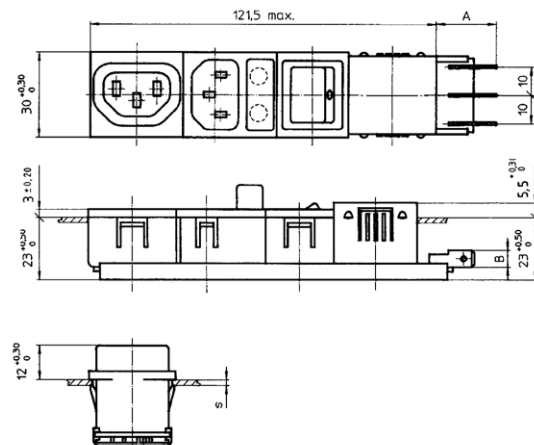
Variants 5423.XX5X.XXX
Mounting Ø: 96.4+0,2 x 27.6+0,2



Variants 5424.XX5X.XXX
Mounting Ø: 87.9+0,2 x 27.6+0,2



Variants 5431.X05X.XXX
Mounting Ø: 111.1+0,2 x 27.6+0,2



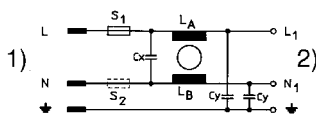
Variants 5432.XX5X.XXX
Mounting Ø: 121.6+0,2 x 27.6+0,2

Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [MΩ]
2	Standard Version	2 x 4	47	2.2	-
4	Standard Version	2 x 1.6	47	2.2	-
10	Standard Version	2 x 0.7	47	2.2	-
10	Standard Version	2 x 11	47	2.2	-
2	Medical Version (M5)	2 x 4	47	-	1
4	Medical Version (M5)	2 x 1.6	47	-	1
10	Medical Version (M5)	2 x 0.7	47	-	1
10	Medical Version (M5)	2 x 11	47	-	1

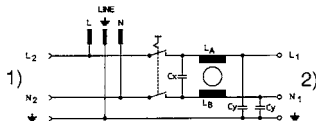
Diagrams

5411



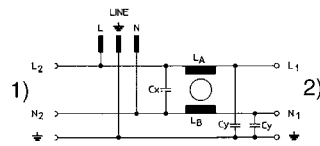
- 1) Line
2) Load 1

5431



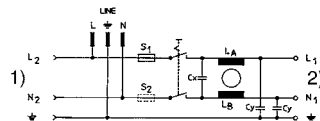
- 1) Load 2
2) Load 1

5421



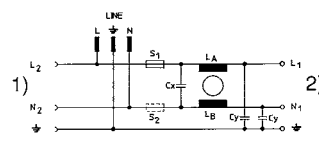
- 1) Load 2
2) Load 1

5432



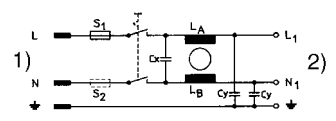
- 1) Load 2
2) Load 1

5423



- 1) Load 2
2) Load 1

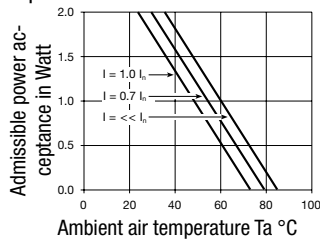
5424



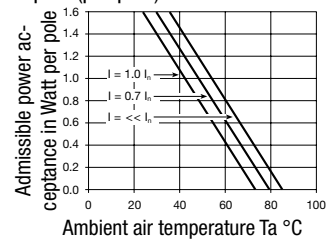
- 1) Line
2) Load 1

Derating Curves

1-pole



2-pole (per pole)



Ordering instructions

54 XX.X X XX.XX X

Type of line filter

1 = standard

3 = medical

“Snap-in” panel thickness

10 = 1,0 mm

12 = 1,2 mm

15 = 1,5 mm

20 = 2,0 mm

25 = 2,5 mm

30 = 3,0 mm

Connection

51 = solder terminals 3,5 x 0,8 mm

53 = quick connect terminals 6,3 x 0,8 mm

Fuseholder 5 x 20 mm

0 = without fuseholder

1 = 1-pole

2 = 2-pole

Line filter

1 = 1 Amp.

2 = 2 Amp.

4 = 4 Amp.

6 = 6 Amp.

8 = 8 Amp.

9 = 10 Amp.

Module combination

11 = Appliance inlet, fuseholder

21 = Appliance inlet, appliance outlet

23 = Appliance inlet, fuseholder, appliance outlet

24 = Appliance inlet, fuseholder, switch

31 = Appliance inlet, appliance outlet, switch

32 = Appliance inlet, fuseholder, appliance outlet, switch

Base model

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Base model

Packaging unit

10 Pcs

Accessory

Description



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

Flat head, A	4700.0001
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Passender Stecker

Category / Description

[Interconnection Cord](#)

Power Cord with IEC Appliance Plug E, angled, 70°C	0607
Power Cord with IEC Appliance Plug E, angled, 70°C	0608
Power Cord with IEC Appliance Plug E, straight, 70°C	0609
Power Cord with IEC Appliance Plug G, angled, 70°C	607B
Power Cord with IEC Appliance Plug G, angled, 70°C	608B
Power Cord with IEC Appliance Plug G, straight, 70°C	609B

[Plug Connector](#)

IEC plug connector E, rewirable, straight, max. cable diameter 8.5 mm	4732
IEC plug connector E, rewirable, angled, max. cable diameter 10 mm	4733
IEC plug connector E, rewirable, straight, max. cable diameter 10 mm	4735
IEC plug connector E, rewirable, angled, max. cable diameter 10 mm	4736
IEC plug connector E, rewirable, straight	9009
IEC plug connector E, rewirable, angled	9013
IEC plug connector E, rewirable, angled	P685

Passende Dose

[Appliance Outlet](#)

IEC appliance outlet F, screw-on mounting, front side, solder /quick connect terminal	4787
IEC appliance outlet F, screw-on mounting, front side, solder /quick connect terminal	4788
IEC appliance outlet F oder H, screw-on mounting, front side, solder/PCB/quick connect terminal	5091
IEC appliance outlet F oder H, screw-on mounting, front side, solder/quick connect terminal	5092

[Connector](#)

IEC cord connector C15, rewirable, straight	0101
IEC cord connector C15A, rewirable, straight	0102
IEC cord connector C15A, rewirable, straight	0102-G
IEC cord connector C15A, rewirable, angled	0112
IEC cord connector C13, rewirable, angled	4012
IEC cord connector C13, rewirable, angled	4013
IEC cord connector C13, rewirable, straight	4020
IEC cord connector C13, rewirable, straight	4021
IEC cord connector C13, rewirable, straight	4022
IEC cord connector C13, rewirable, angled	4300-06

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Category / Description

Power Supply or Interconnection Cord



Power Cord with IEC Appliance Connector C13, angled, 70°C	0311
Power Cord with IEC Appliance Connector C13, angled, 70°C	3011
Power Cord with IEC Appliance Connector C13, angled, 70°C	3012
Power Cord with IEC Appliance Connector C13, angled, 70°C	3013
Power Cord with IEC Appliance Connector C13, 70°C	3020
Power Cord with IEC Appliance Connector C13, straight, 70°C	3027
Power Cord with IEC Appliance Connector C13, straight, 70°C	302U
Power Cord with IEC Appliance Connector C13, straight, 70°C	3030
Power Cord with IEC Appliance Connector C13, angled, 70°C	311L
Power Cord with IEC Appliance Connector C13, angled, 70°C	312L

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