

IEC Appliance Inlet C14 Modular Assembling Options

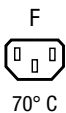
Standard- or Medical-Filter



Snap-In Version

5411.XX5X.XXX
Appliance inlet
Fuseholder
Line filter5431.X05X.XXX
Appliance inlet
Appliance outlet
Switch
Line filter

70° C



70° C

**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

Approvals

- VDE Certificate Number: 101307
- UL File 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
- Suitable for use in equipment according to IEC 60950

Other versions on request

- Line switch with other rocker marking

ReferencesAlternative: version without line filter [Felcom 64](#)

Alternative: Standard version

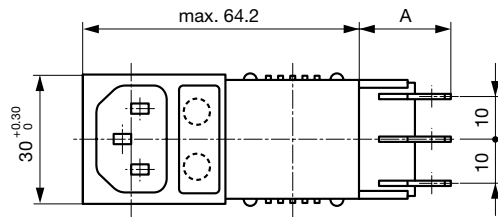
Weblinks

[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](#), [Mounting instruction](#), [Detailed request for product](#)

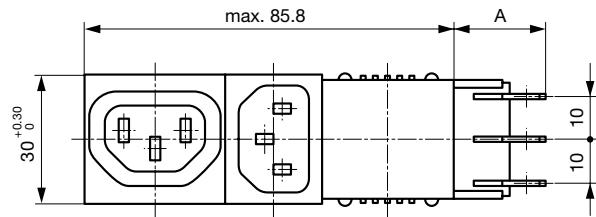
Technical Data

Ratings IEC	1 - 10A @ Ta 40 °C / 250 VAC; 50Hz	Appliance-Inlet/-Outlet	C14 acc. to IEC 60320, F acc. to IEC 60320, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class I
Ratings UL/CSA	1 - 10A @ Ta 40 °C / 250 VAC; 60Hz	Fuseholder	1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20mm
Leakage Current	standard < 0.5 mA (250 V / 60Hz) medical < 5 µA (250 V / 60 Hz)	Rated Power Acceptance @ Ta 23 °C	5 x 20: 2 W (1 pole)/ 1.6 W (2-pole) per pole
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec)	Power Acceptance @ Ta > 23°C	Admissible power acceptance at higher ambient temperature see derating curves
Allowable Operation Temp.	-25 °C to 85 °C	Line Switch	Rocker switch 2-pole, non-illuminated, acc. to IEC 61058-1 Technical Details
Climatic Category	25/085/21 acc. to IEC 60068-1	Line Filter	Standard Version, IEC 60939, IEC 60601-1, UL 1283, UL 544, EN 133 200, CSA C22.2 no. 8 Technical Details
Degree of Protection	from front side IP 40 acc. to IEC 60529	MTBF	> 1'400'000h acc. to MIL-HB-217 F
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: 1/1.2/1.5/2/2.5/3mm1/1.2/1.5/2/2.5/3 mm		
Material: Housing	Thermoplastic, black, UL 94V-0		

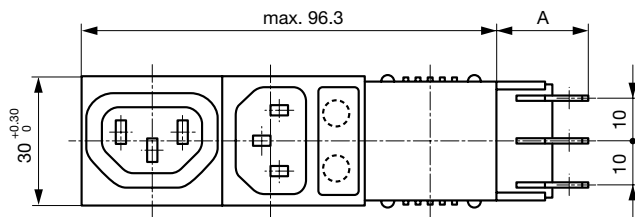
Dimensions



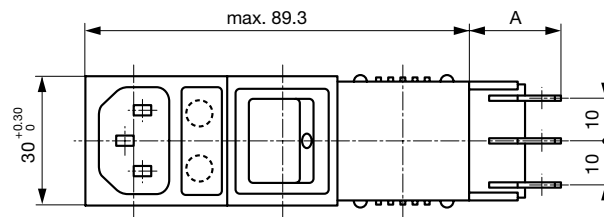
Variants 5411.XX5X.XXX
Mounting Ø: 63+0,2 x 27.6+0,2



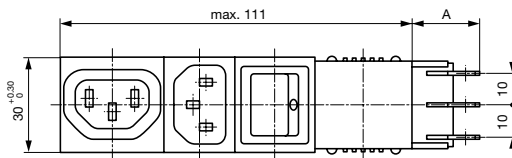
Variants 5421.X05X.XXX
Mounting Ø: 85.9+0,2 x 27.6+0,2



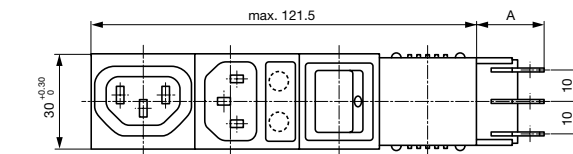
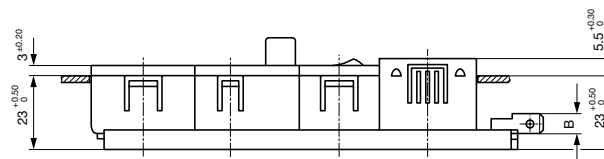
Variants 5423.XX5X.XXX
Mounting Ø: 96.4+0,2 x 27.6+0,2



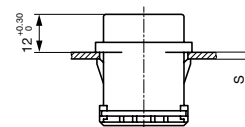
Variants 5424.XX5X.XXX
Mounting Ø: 87.9+0,2 x 27.6+0,2



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

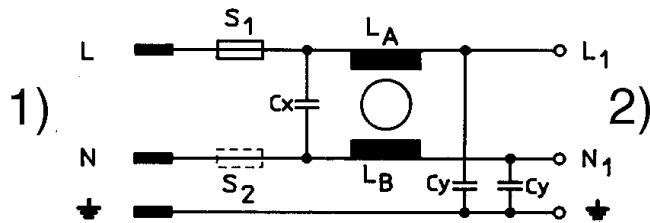


Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [MΩ]
1	Standard Version	2 x 11	47	2.2	-
2	Standard Version	2 x 4	47	2.2	-
4	Standard Version	2 x 1.6	47	2.2	-
6	Standard Version	2 x 0.7	47	2.2	-
8	Standard Version	2 x 0.6	47	2.2	-
10	Standard Version	2 x 0.4	47	2.2	-
1	Medical Version (M5)	2 x 11	47	-	1
2	Medical Version (M5)	2 x 4	47	-	1
4	Medical Version (M5)	2 x 1.6	47	-	1
6	Medical Version (M5)	2 x 0.7	47	-	1
8	Medical Version (M5)	2 x 0.6	47	-	1
10	Medical Version (M5)	2 x 0.4	47	-	1

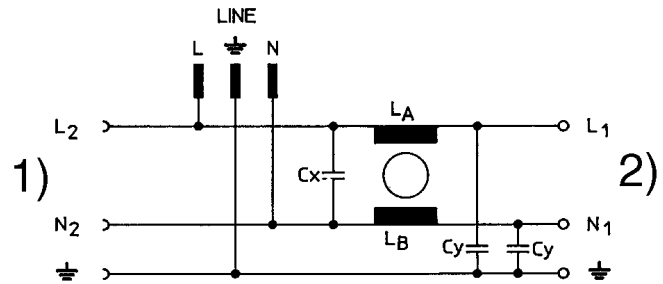
Diagrams

5411

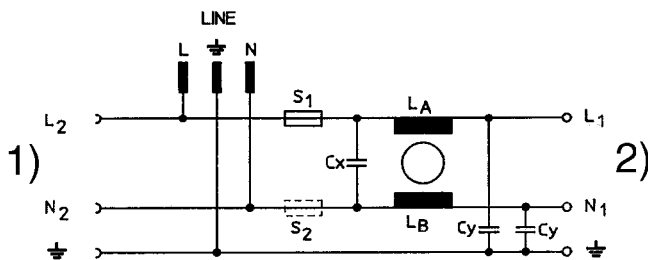


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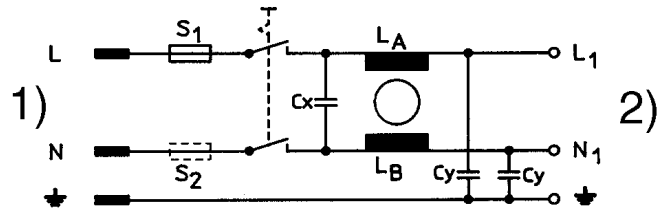
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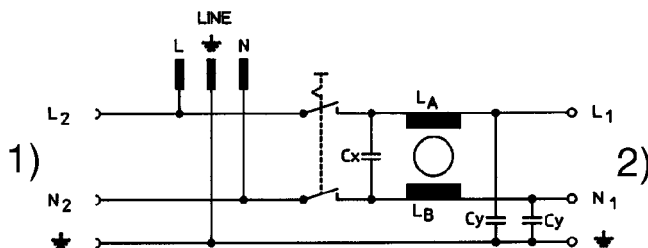


5431

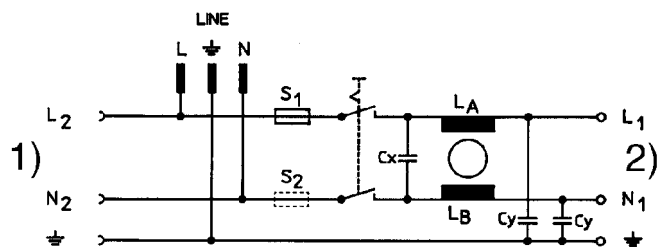


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5432



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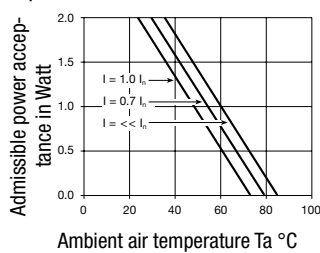


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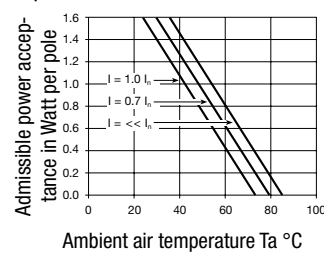
5434

Derating Curves

1-pole



2-pole



Ordering instructions

54	XX	X	X	XX	XX	X
						T
						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

Packaging unit 10 Pcs

Accessories

Description



Cord retaining kits
Cord retaining strain relief
Flat head, A

4700.0001

Mating Inlets/Plugs

Category / Description

Plug Overview complete



IEC Plug E, Cord Connector (Rewireable), Straight, max. cable Diameter 8.5 mm	4732
IEC Plug E, Cord Connector (Rewireable), Angled, max. Cable Diameter 8.5 mm	4733
IEC Plug E, Cord Connector (Rewireable), Straight, max. Cable Diameter 10 mm	4735
IEC Plug E, Cord Connector (Rewireable), Angled, max. Cable Diameter 10 mm	4736
IEC Plug E, Cord Connector (Rewireable), Straight	9009
Plug further types to Felcom 54	...

Mating Outlets/Connectors

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 Felcom 54	

[Connector Overview complete](#)

IEC Connector C15A, Rewireable, Straight	0102
IEC Connector C15A, Rewireable, Straight	0102-G
IEC Connector C15A, Rewireable, Angled	0112
IEC Connector C13, Rewireable, Angled	4012
IEC Connector C13, Rewireable, Straight	4022

[Connector further types to Felcom 54](#)

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