

IEC Appliance Inlet C14 with Filter, Fuseholder 1- or 2-pole, optional Voltage Selector (step switch)

Plug removal necessary for fuse replacement



Snap-in mounting from front side without voltage selector
Fuse drawer must be ordered separately (see accessories).



Screw-on mounting from rear side without voltage selector



Screw-on mounting from front side with voltage selector



Description

- Panel Mount:
Screw-on version from front or rear side, snap-in version from front side
- 4 Functions:
Appliance Inlet Protection class I, Fuseholder for fuse-links 5 x 20 mm 1- or 2-pole, with or without voltage selector (step switch), Line filter in standard and medical version
- Quick connect terminals or wires

Approvals

- VDE Certificate Number: 40004665 (FKE, FKF, FKV, FKW)
- UL File Number: E72928 (FKE, FKF, FKV, FKW)

Characteristics

- Rear side mounting for efficient cost-saving assembly
- Suitable for assembly in metal plated plastic housings
- All single elements are already wired
- Plug removal necessary for fuse-link replacement
The fuse drawer "Fingergrasp" can be removed by hand
For added safety "Extra-Safe" fuse drawers are available
Fuse drawer meets requirements of medical standard IEC/EN 60601-1
The fuseholder is accessible from the equipment front
- Suitable for use in equipment according to IEC 60950

Other versions on request

- Capacity CX 100 nF
- Variant with notch for V-Lock mating Cordsets

References

Alternative: version without line filter [KEA](#)
Alternative: Standard version

Weblinks

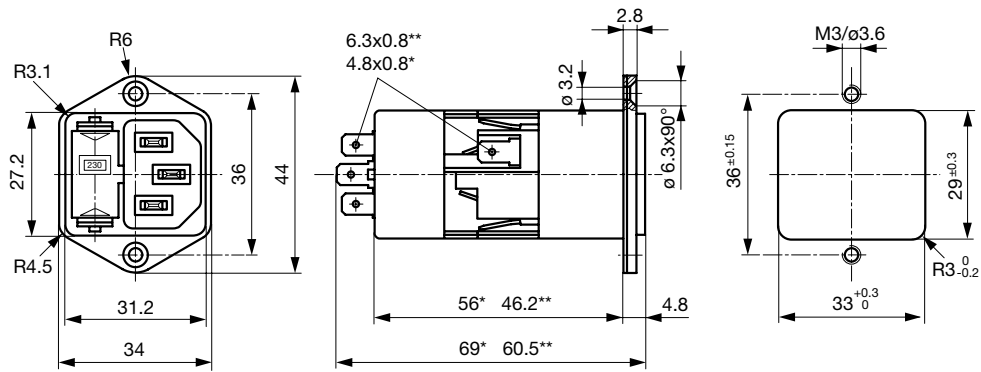
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Wire Harnessing](#),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

Technical Data

Ratings IEC	1 - 10A @ Ta 40 °C / 250VAC; 50Hz	Appliance-Inlet/-Outlet	C14 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 / 125VAC; 60Hz	Fuseholder	1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20mm
Leakage Current	standard < 0.5mA (250V / 60Hz) medical < 5 µA (250 V / 60 Hz)	Rated Power Acceptance @ Ta 23 °C	5 x 20: 2W (1 pole)/ 1.6W (2-pole) per pole
Dielectric Strength	> 1.7kVDC between L-N > 2.7kVDC between L/N-PE Test voltage (2sec)	Power Acceptance @ Ta > 23°C	Admissible power acceptance at higher ambient temperature see derating curves
Allowable Operation Temp.	-25 °C to 85 °C	Voltage Selector	optional, step, 3 pos.
Climatic Category	25/085/21 acc. to IEC 60068-1	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
Degree of Protection	from front side IP 40 acc. to IEC 60529	MTBF	> 1'700'000h acc. to MIL-HB-217 F
Protection Class	Suitable for appliances with protection class I acc. to IEC 61140		
Terminal	Quick connect terminals 6.3 x 0.8 mm Flexible wire AWG18, 150 mm		
Panel Thickness s	Screw: max 8 mm Mounting screw torque max 0.5Nm Snap-in: 0.8mm to 3mm		
Material: Housing	Thermoplastic, black, UL 94V-0		

Dimensions

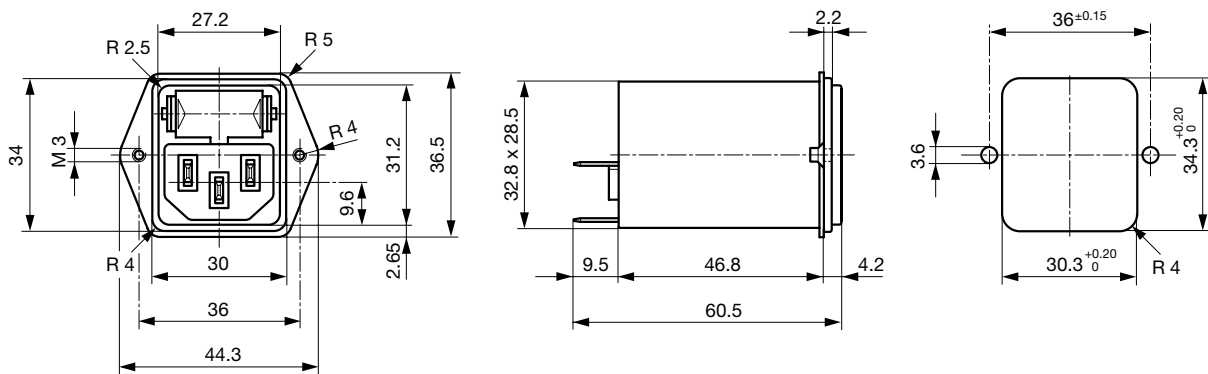
Screw-on mounting from front side



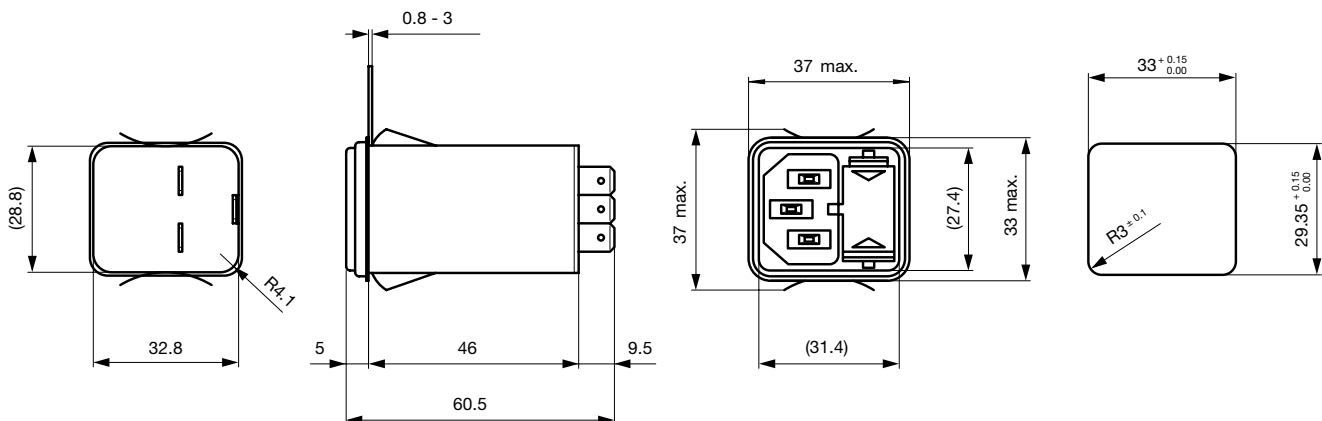
* with voltage selector

** without voltage selector

Screw-on mounting from rear side



Snap-in mounting

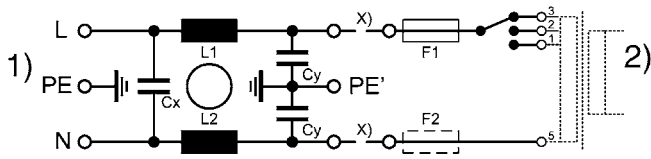


Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [MΩ]
1	Standard Version	2 x 10	68	2.2	-
2	Standard Version	2 x 4	68	2.2	-
4	Standard Version	2 x 1.5	68	2.2	-
6	Standard Version	2 x 0.8	68	2.2	-
10	Standard Version	2 x 0.3	68	2.2	-
1	Medical Version (M5)	2 x 10	68	-	1
2	Medical Version (M5)	2 x 4	68	-	1
4	Medical Version (M5)	2 x 1.5	68	-	1
6	Medical Version (M5)	2 x 0.8	68	-	1
10	Medical Version (M5)	2 x 0.3	68	-	1
1	Medical Version (M80)	2 x 10	68	0.47	1
2	Medical Version (M80)	2 x 4	68	0.47	1
4	Medical Version (M80)	2 x 1.5	68	0.47	1
6	Medical Version (M80)	2 x 0.8	68	0.47	1
10	Medical Version (M80)	2 x 0.3	68	0.47	1

Diagrams

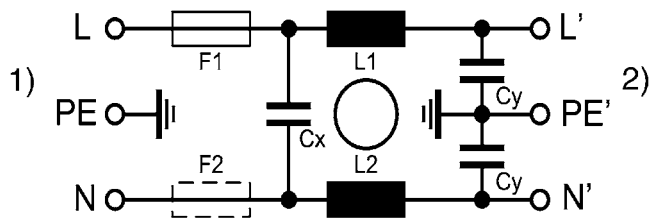
Standard version
with voltage selector



x) external connection to be made by the customer

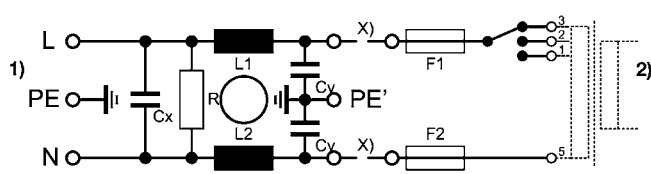
- 1) Line
- 2) Load

Standard version
without voltage selector



- 1) Line
- 2) Load

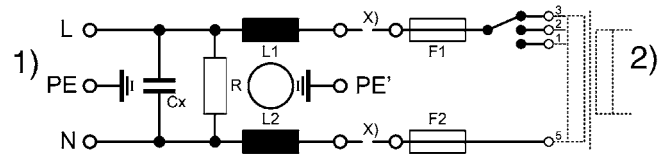
Medical version (M80)
with voltage selector



x) external connection to be made by the customer

- 1) Line
- 2) Load

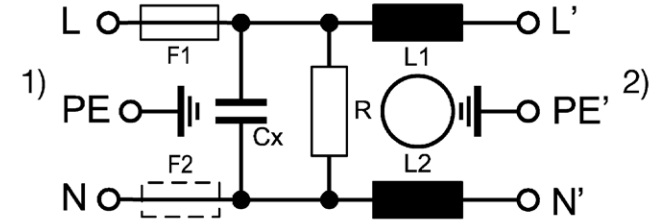
Medical version
with voltage selector



x) external connection to be made by the customer

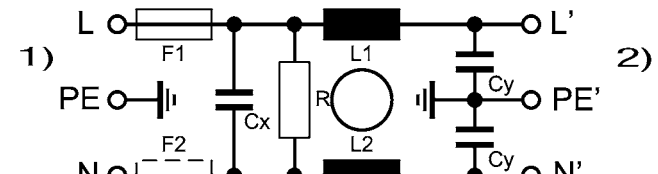
- 1) Line
- 2) Load

Medical version (M5)
without voltage selector



- 1) Line
- 2) Load

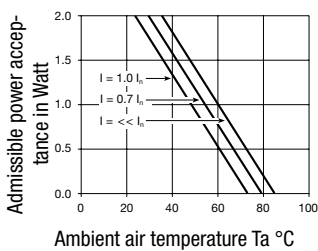
Medical version (M80)
without voltage selector



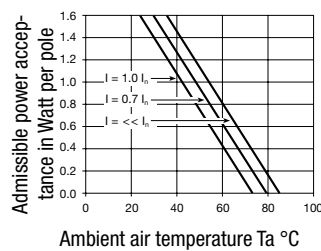
- 1) Line
- 2) Load

Derating Curves

1-pole



2-pole

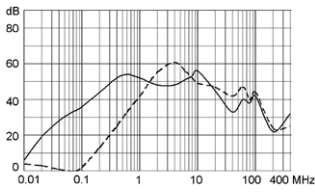


Attenuation Loss

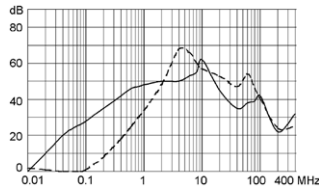
Standard version

--- differential mode — common mode

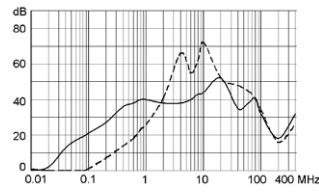
1 A



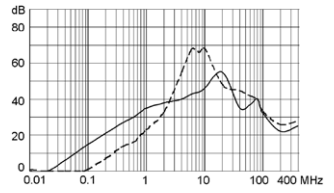
2 A



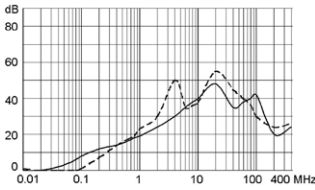
4 A



6 A

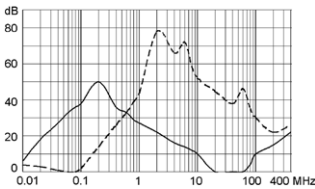


10 A

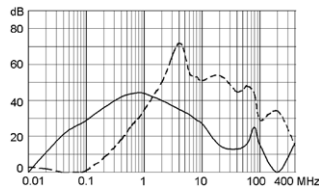


Medical version (M5)

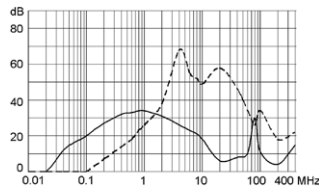
1 A



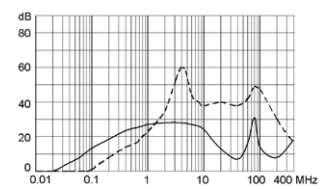
2 A



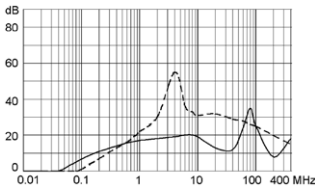
4 A



6 A

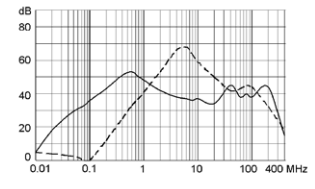


10 A

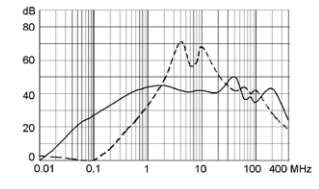


Medical version (M80)

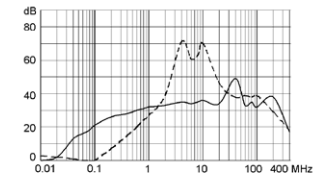
1 A



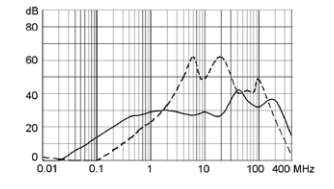
2 A



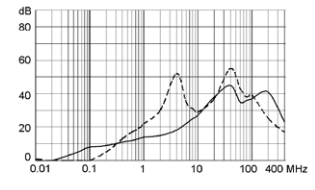
4 A



6 A



10 A



Variants

Fuse drawer must be ordered separately (see accessories).

Rated Current [A]	Filter-Type	Panel mounting	Mounting side	Fuseholder	Terminal	Voltage Selector	Order Number
1	Standard Version	Screw	Front Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.5011
1	Standard Version	Screw	Front Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	3 pos.	4301.5051
1	Standard Version	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.5001
1	Standard Version	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	3 pos.	4301.5041
1	Standard Version	Screw	Rear Side	1-pole	Flexible wire AWG18	-	4301.7311
1	Standard Version	Screw	Rear Side	2-pole	Flexible wire AWG18	-	4301.7301
1	Standard Version	Screw	Rear Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.7001
2	Standard Version	Screw	Front Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.5012
2	Standard Version	Screw	Front Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	3 pos.	4301.5052
2	Standard Version	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.5002
2	Standard Version	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	3 pos.	4301.5042
2	Standard Version	Screw	Rear Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.7002
4	Standard Version	Screw	Front Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.5013
4	Standard Version	Screw	Front Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	3 pos.	4301.5053
4	Standard Version	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.5003
4	Standard Version	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	3 pos.	4301.5043
4	Standard Version	Screw	Rear Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.7013
4	Standard Version	Screw	Rear Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.7003
6	Standard Version	Screw	Front Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.5014
6	Standard Version	Screw	Front Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	3 pos.	4301.5054
6	Standard Version	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.5004
6	Standard Version	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	3 pos.	4301.5044
6	Standard Version	Screw	Rear Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.7014
6	Standard Version	Screw	Rear Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.7004
10	Standard Version	Screw	Front Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.5015
10	Standard Version	Screw	Front Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	3 pos.	4301.5055
10	Standard Version	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.5005
10	Standard Version	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	3 pos.	4301.5045
10	Standard Version	Screw	Rear Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.7015
10	Standard Version	Screw	Rear Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.7005
1	Standard Version	Snap-in	Front Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.6011
1	Standard Version	Snap-in	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.6001
2	Standard Version	Snap-in	Front Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.6012
2	Standard Version	Snap-in	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.6002
4	Standard Version	Snap-in	Front Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.6013
4	Standard Version	Snap-in	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.6003
6	Standard Version	Snap-in	Front Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.6014
6	Standard Version	Snap-in	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.6004
10	Standard Version	Snap-in	Front Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.6015
10	Standard Version	Snap-in	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.6005
1	Medical Version (M5)	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	3 pos.	4301.5241
1	Medical Version (M5)	Screw	Rear Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.7201
2	Medical Version (M5)	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	3 pos.	4301.5243
2	Medical Version (M5)	Screw	Rear Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.7203
4	Medical Version (M5)	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	3 pos.	4301.5245
4	Medical Version (M5)	Screw	Rear Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.7205
6	Medical Version (M5)	Screw	Front Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.5217
6	Medical Version (M5)	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	3 pos.	4301.5247
6	Medical Version (M5)	Screw	Rear Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.7207
10	Medical Version (M5)	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.5209
10	Medical Version (M5)	Screw	Rear Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.7209
1	Medical Version (M5)	Snap-in	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.6201
2	Medical Version (M5)	Snap-in	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.6203
4	Medical Version (M5)	Snap-in	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.6205

Rated Current [A]	Filter-Type	Panel mounting	Mounting side	Fuseholder	Terminal	Voltage Selector	Order Number
6	Medical Version (M5)	Snap-in	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.6207
1	Medical Version (M80)	Screw	Rear Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.7202
2	Medical Version (M80)	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	3 pos.	4301.5244
2	Medical Version (M80)	Screw	Rear Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.7204
4	Medical Version (M80)	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.5206
4	Medical Version (M80)	Screw	Rear Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.7206
6	Medical Version (M80)	Screw	Rear Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.7208
10	Medical Version (M80)	Screw	Rear Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.7200
4	Medical Version (M80)	Snap-in	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.6206

Wire length: 150 mm

Packaging unit 10 Pcs

Required Accessory

Description

Fusedrawer 2

Fusedrawer für Fuse Links 5x20 mm, with or without Voltage Selector Insert



Fingergrip, 2-pole, Voltage Selector, 110, 150, 220	4301.1014.01
Fingergrip, 2-pole, Voltage Selector, 120, 240	4301.1014.02
Fingergrip, 2-pole, Voltage Selector, 110, 220	4301.1014.03
Fingergrip, 2-pole, Voltage Selector, 115, 220	4301.1014.04
...	...

Accessories



Assorted Covers
Rear Cover

	0859.0072
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Wire Harness
Wire harness for SCHURTER products



Cord retaining kits
Cord retaining strain relief

Flat head, A	4700.0001
Countersunk, B	4700.0002

Mating Outlets/Connectors

Category / Description



[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 KFA](#)

[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 KFA](#)

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