

With fuseholder 5x20 mm, with or without voltage selector (step switch)

Plug removal necessary for fuse replacement



Fuse drawer must be ordered separately (see accessories).

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Screw-on mounting from front side with voltage selector

C14



70° C



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

### Approvals

- VDE License Number: 40004665 (FKE, FKF, FKV, FKW)
- UL License 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
- Qualified for use in equipment according IEC/EN 60950

### Other versions on request

- Capacity CX 100 nF

### References

[General Product Information](#)

### Weblinks

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

### Technical Data

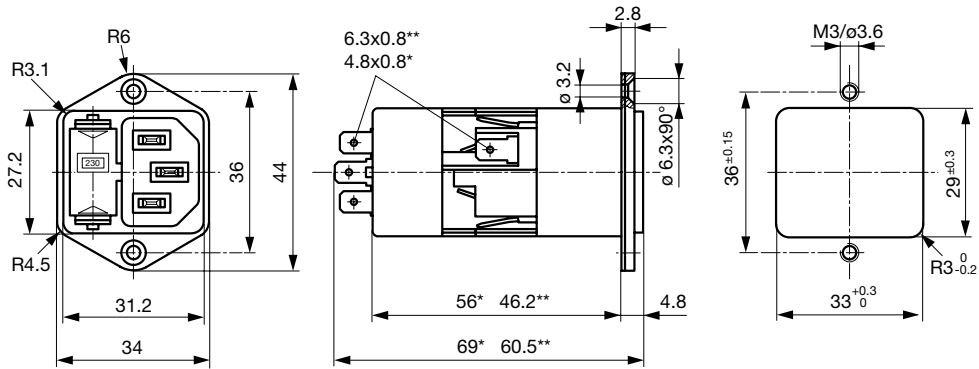
Ratings IEC	1 - 10A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	1 - 10A @ Ta 40 °C / 125 VAC; 60 Hz
Leakage Current	standard < 0.5 mA (250 V / 60 Hz) medical < 5 µA (250 V / 60 Hz)
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec)
Allowable Operation Temp.	-25 °C 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	Quick connect terminals or wires
Panel Thickness s	Screw-on: max 8 mm Mounting screw torque max 0.5 Nm Snap-in: 0.8 mm to 3 mm
Material: Housing	Thermoplastic, black, UL 94V-0

Appliance-Inlet/-Outlet	C14 acc. to IEC/EN 60320-1, 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: 2W (1 pole)/ 1.6W (2-pole) per pole
Power Acceptance @ Ta > 23 °C	Admissible power acceptance at higher ambient temperature see derating curves
Voltage selector	optional, step, 3 digits
Line Filter	Standard and Medical Version, IEC 60939, IEC 60601-1, UL 1283, UL 544, EN 133 200, CSA C22.2 no. 8 <a href="#">Technical details</a>
MTBF	> 1'700'000 h acc. to MIL-HB-217 F

**Dimensions**

Screw-on mounting from front side

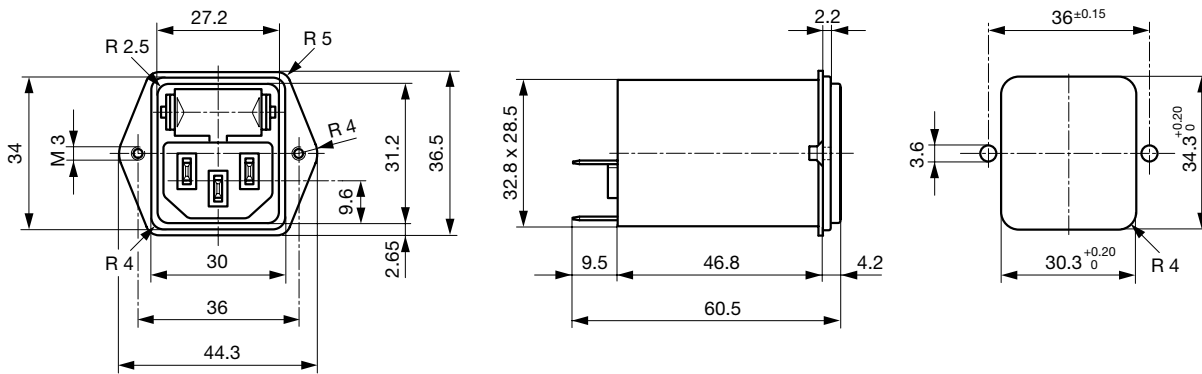
Length |-----| 69 mm



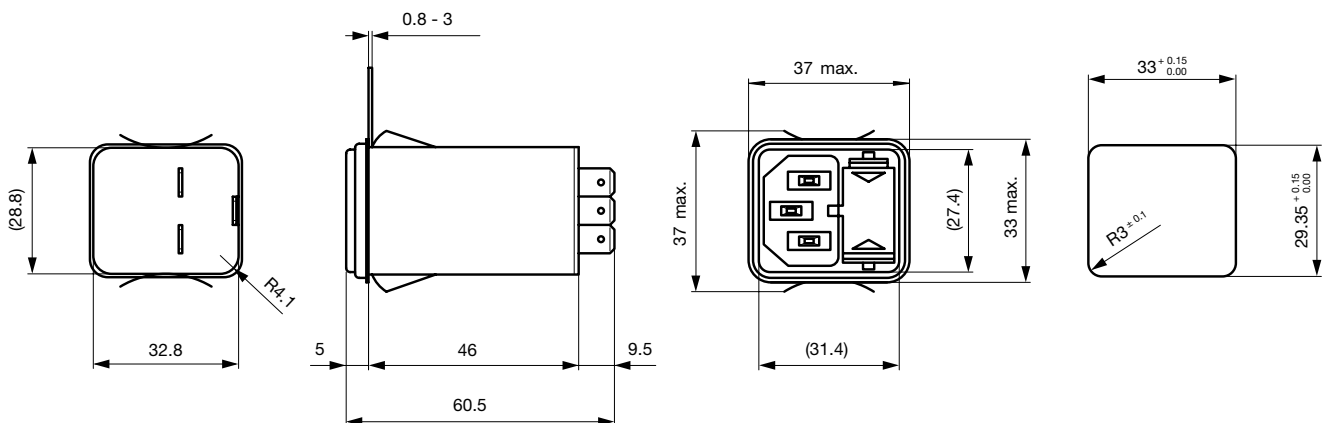
\* with voltage selector

\*\* without voltage selector

Screw-on mounting from rear side



Snap-in mounting

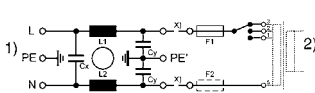


Technical Data of Filter-Components

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

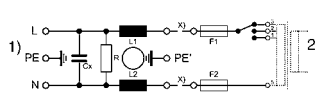
Diagrams

Standard version with fuseholder 1- or 2-pole



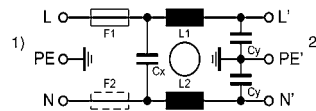
1) Line; 2) Load; x) external connection to be made by the customer

Medical version (M5) with fuseholder 2-pole



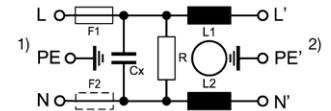
1) Line; 2) Load; x) external connection to be made by the customer

Standard version without voltage selector



1) Line  
2) Load

Medical version (M5) without voltage selector



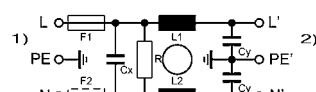
1) Line  
2) Load

Medical version (M80) with voltage selector



1) Line; 2) Load; x) external connection to be made by customer

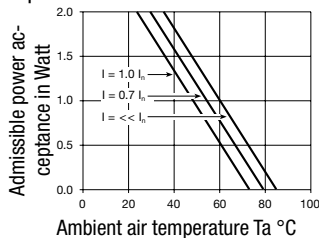
Medical version (M80) without voltage selector



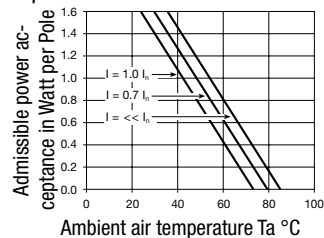
1) Line  
2) Load

Derating Curves for Fuseholders

1-pole



2-pole

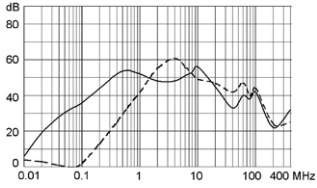


## Attenuation Loss

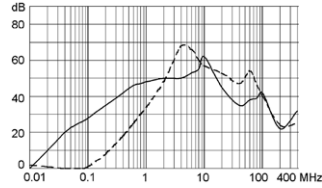
Standard version

---- differential mode    \_\_\_\_ common mode

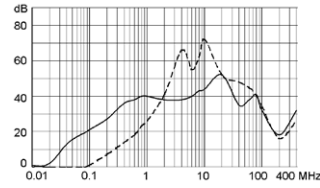
1 A



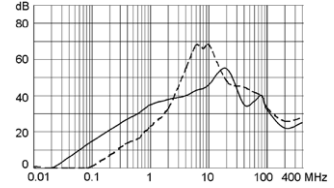
2 A



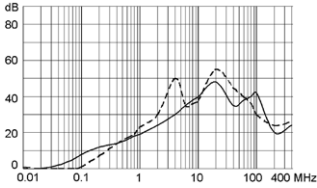
4 A



6 A

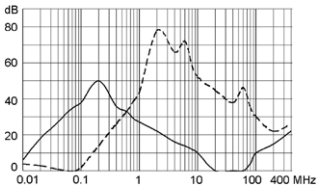


10 A

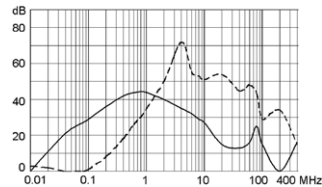


Medical version (M5)

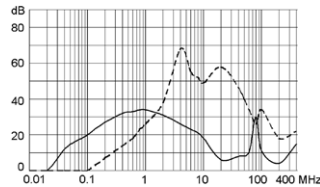
1 A



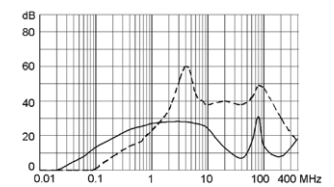
2 A



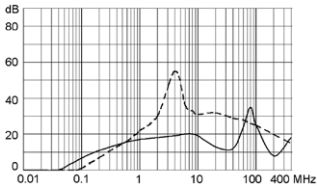
4 A



6 A



10 A



## Variants

[Distributor-Stock-Check](#) | [SCHURTER-Stock-Check](#) | [e-Store](#)

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-on	Front-Side	2-pole	Quick connect terminals	-	4301.5001
1	Standard Version	Screw-on	Front-Side	1 pole	Quick connect terminals	-	4301.5011
1	Standard Version	Screw-on	Front-Side	2-pole	Quick connect terminals	3 digits	4301.5041
1	Standard Version	Screw-on	Front-Side	1 pole	Quick connect terminals	3 digits	4301.5051
1	Standard Version	Snap-in	Front-Side	2-pole	Quick connect terminals	-	4301.6001
1	Standard Version	Snap-in	Front-Side	1 pole	Quick connect terminals	-	4301.6011
1	Standard Version	Screw-on	Rear-Side	2-pole	Flexible wire18 AWG	-	4301.7301
1	Standard Version	Screw-on	Rear-Side	1 pole	Flexible wire18 AWG	-	4301.7311
1	Standard Version	Screw-on	Rear-Side	2-pole	Quick connect terminals	-	4301.7001
1	Standard Version	Screw-on	Rear-Side	1 pole	Quick connect terminals	-	4301.7011
2	Standard Version	Screw-on	Front-Side	2-pole	Quick connect terminals	-	4301.5002
2	Standard Version	Screw-on	Front-Side	1 pole	Quick connect terminals	-	4301.5012
2	Standard Version	Screw-on	Front-Side	2-pole	Quick connect terminals	3 digits	4301.5042
2	Standard Version	Screw-on	Front-Side	1 pole	Quick connect terminals	3 digits	4301.5052
2	Standard Version	Snap-in	Front-Side	2-pole	Quick connect terminals	-	4301.6002
2	Standard Version	Snap-in	Front-Side	1 pole	Quick connect terminals	-	4301.6012

Rated Current [A]	Filter-Type	Panel mounting	Mounting side	Fuseholder	Terminal	Voltage selector	Order Number
2	Standard Version	Screw-on	Rear-Side	2-pole	Quick connect terminals	-	4301.7002
2	Standard Version	Screw-on	Rear-Side	1 pole	Quick connect terminals	-	4301.7012
4	Standard Version	Screw-on	Front-Side	2-pole	Quick connect terminals	-	4301.5003
4	Standard Version	Screw-on	Front-Side	1 pole	Quick connect terminals	-	4301.5013
4	Standard Version	Screw-on	Front-Side	2-pole	Quick connect terminals	3 digits	4301.5043
4	Standard Version	Screw-on	Front-Side	1 pole	Quick connect terminals	3 digits	4301.5053
4	Standard Version	Snap-in	Front-Side	2-pole	Quick connect terminals	-	4301.6003
4	Standard Version	Snap-in	Front-Side	1 pole	Quick connect terminals	-	4301.6013
4	Standard Version	Screw-on	Rear-Side	2-pole	Quick connect terminals	-	4301.7003
4	Standard Version	Screw-on	Rear-Side	1 pole	Quick connect terminals	-	4301.7013
6	Standard Version	Screw-on	Front-Side	2-pole	Quick connect terminals	-	4301.5004
6	Standard Version	Screw-on	Front-Side	1 pole	Quick connect terminals	-	4301.5014
6	Standard Version	Screw-on	Front-Side	2-pole	Quick connect terminals	3 digits	4301.5044
6	Standard Version	Screw-on	Front-Side	1 pole	Quick connect terminals	3 digits	4301.5054
6	Standard Version	Snap-in	Front-Side	2-pole	Quick connect terminals	-	4301.6004
6	Standard Version	Snap-in	Front-Side	1 pole	Quick connect terminals	-	4301.6014
6	Standard Version	Screw-on	Rear-Side	2-pole	Quick connect terminals	-	4301.7004
6	Standard Version	Screw-on	Rear-Side	1 pole	Quick connect terminals	-	4301.7014
10	Standard Version	Screw-on	Front-Side	2-pole	Quick connect terminals	-	4301.5005
10	Standard Version	Screw-on	Front-Side	1 pole	Quick connect terminals	-	4301.5015
10	Standard Version	Screw-on	Front-Side	2-pole	Quick connect terminals	3 digits	4301.5045
10	Standard Version	Screw-on	Front-Side	1 pole	Quick connect terminals	3 digits	4301.5055
10	Standard Version	Snap-in	Front-Side	2-pole	Quick connect terminals	-	4301.6005
10	Standard Version	Snap-in	Front-Side	1 pole	Quick connect terminals	-	4301.6015
10	Standard Version	Screw-on	Rear-Side	2-pole	Quick connect terminals	-	4301.7005
10	Standard Version	Screw-on	Rear-Side	1 pole	Quick connect terminals	-	4301.7015
1	Medical Version (M5)	Screw-on	Front-Side	2-pole	Quick connect terminals	-	4301.5201
1	Medical Version (M5)	Screw-on	Front-Side	2-pole	Quick connect terminals	3 digits	4301.5241
1	Medical Version (M5)	Snap-in	Front-Side	2-pole	Quick connect terminals	-	4301.6201
1	Medical Version (M5)	Screw-on	Rear-Side	2-pole	Quick connect terminals	-	4301.7201
2	Medical Version (M5)	Screw-on	Front-Side	2-pole	Quick connect terminals	-	4301.5203
2	Medical Version (M5)	Screw-on	Front-Side	2-pole	Quick connect terminals	3 digits	4301.5243
2	Medical Version (M5)	Snap-in	Front-Side	2-pole	Quick connect terminals	-	4301.6203
2	Medical Version (M5)	Screw-on	Rear-Side	2-pole	Quick connect terminals	-	4301.7203
4	Medical Version (M5)	Screw-on	Front-Side	2-pole	Quick connect terminals	-	4301.5205
4	Medical Version (M5)	Screw-on	Front-Side	2-pole	Quick connect terminals	3 digits	4301.5245
4	Medical Version (M5)	Snap-in	Front-Side	2-pole	Quick connect terminals	-	4301.6205
4	Medical Version (M5)	Screw-on	Rear-Side	2-pole	Quick connect terminals	-	4301.7205
6	Medical Version (M5)	Screw-on	Front-Side	1 pole	Quick connect terminals	-	4301.5217
6	Medical Version (M5)	Screw-on	Front-Side	2-pole	Quick connect terminals	3 digits	4301.5247
6	Medical Version (M5)	Snap-in	Front-Side	2-pole	Quick connect terminals	-	4301.6207
6	Medical Version (M5)	Screw-on	Rear-Side	2-pole	Quick connect terminals	-	4301.7207
10	Medical Version (M5)	Screw-on	Front-Side	2-pole	Quick connect terminals	-	4301.5209
10	Medical Version (M5)	Screw-on	Front-Side	2-pole	Quick connect terminals	3 digits	4301.5249
10	Medical Version (M5)	Snap-in	Front-Side	2-pole	Quick connect terminals	-	4301.6209
10	Medical Version (M5)	Screw-on	Rear-Side	2-pole	Quick connect terminals	-	4301.7209
1	Medical Version (M80)	Screw-on	Rear-Side	2-pole	Quick connect terminals	-	4301.7202
2	Medical Version (M80)	Screw-on	Rear-Side	2-pole	Quick connect terminals	-	4301.7204
4	Medical Version (M80)	Screw-on	Rear-Side	2-pole	Quick connect terminals	-	4301.7206
6	Medical Version (M80)	Screw-on	Rear-Side	2-pole	Quick connect terminals	-	4301.7208
10	Medical Version (M80)	Screw-on	Rear-Side	2-pole	Quick connect terminals	-	4301.7200

Wire length: 150 mm

**Packaging unit** 10 Pcs

## Required Accessory

### Description

#### Fusedrawer 2

Fusedrawer with and 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
...	...

## Accessory

#### Assorted Covers

Rear Cover



0859.0075

#### Cord retaining kits

Cord retaining strain relieve



Flat head, A	4700.0001
Countersunk, B	4700.0002