

1-stage inlet filter, front side mounting, line switch 2-pole, fuseholder 5x20 mm 2-pole

Standard- or Medical-Filter

on phase-out  
Screw-On Version

### Description

- Panel Mount:  
Screw-on from front side
- 4 Functions:  
Appliance Inlet Protection class I, Line switch 2-pole, Fuseholder for fuse-links 5 x 20 mm 2-pole, Line filter in standard and medical version
- Quick connect terminals 6.3 x 0.8 mm

### Approvals

- VDE License Number: 40004665
- UL License Number: E72928

### Characteristics

- Compact design with optimal shielding
- All single elements are already wired
- Plug removal necessary for fuse-link replacement  
If the power entry module is installed as normal, it is not possible to touch any live parts with the test-finger according to IEC60529  
Fuse drawer meets requirements of medical standard IEC/EN 60601-1  
The fuseholder is accessible from the equipment front
- With EMC-shield
- Qualified for use in equipment according IEC/EN 60950

### Other versions on request

- Medical version M80

### References

[General Product Information](#)

### Weblinks

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

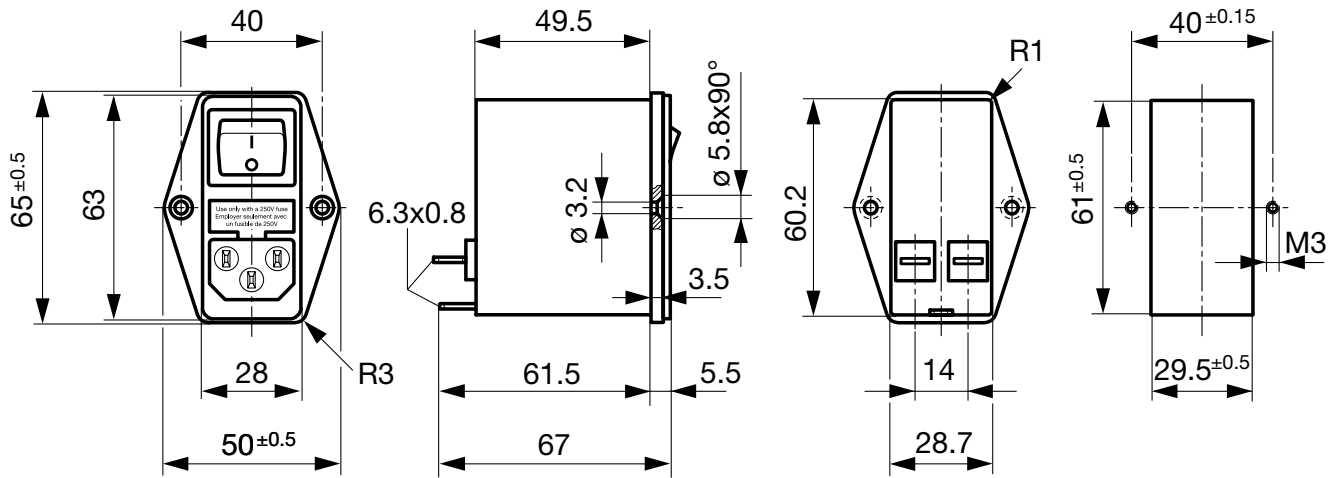
### Technical Data

Ratings IEC	1 - 10A @ Ta 40 °C / 250 VAC; 50Hz	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
Ratings UL/CSA	1 - 10A @ Ta 40 °C / 125 VAC; 60Hz	Fuseholder	2-pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20mm
Leakage Current	standard < 0.25 mA (250 V / 60Hz) medical < 5 µA (250 V / 60 Hz)	Rated Power Acceptance @ Ta 23 °C	5 x 20: 1.6W (2-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 <a href="#">Technical details</a>
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 <a href="#">Technical details</a>
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		
Panel Thickness s	Screw-on: max 8 mm Mounting screw torque max 0.5Nm		
Material: Housing	Thermoplastic, black, UL 94V-0		

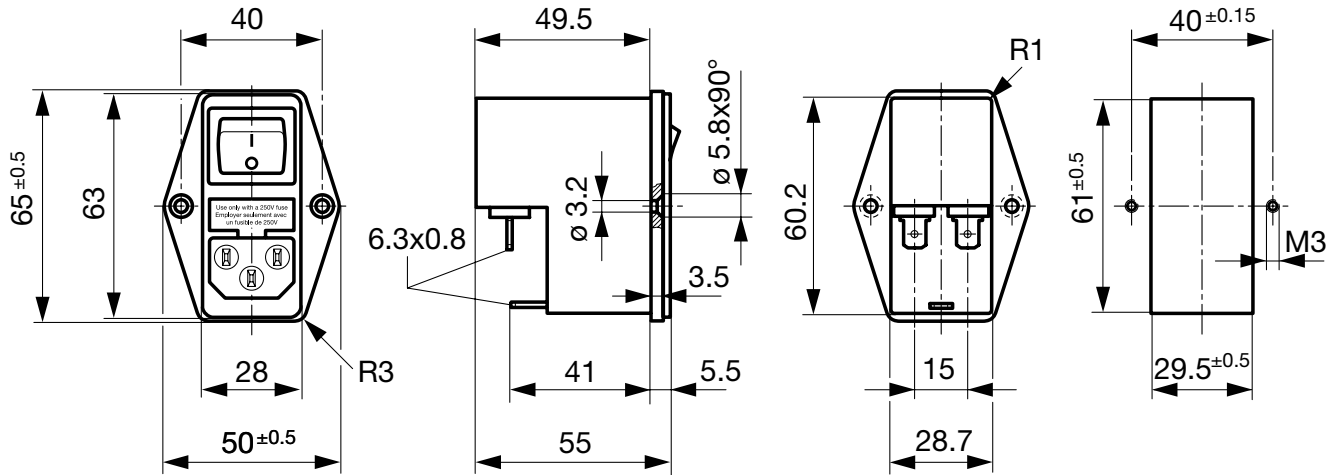
**Dimensions**

Case 45  
recommend for new designs

Length |-----| 55 mm



Case 50  
on phase-out

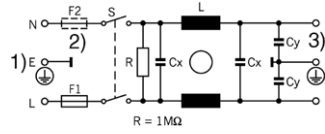


**Technical Data of Filter-Components**

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	1
2	Standard Version	2 x 4	68	2.2	1
4	Standard Version	2 x 1.5	68	2.2	1
6	Standard Version	2 x 0.8	68	2.2	1
10	Standard Version	2 x 0.3	68	2.2	1
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

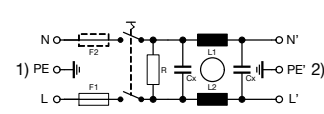
**Diagrams**

**Standard Version**



- 1) Line
- 2) only FKI
- 3) Load

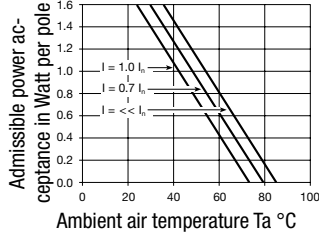
**Medical version**



- 1) Line
- 2) Load

**Derating Curves**

**2-pole (per pole)**

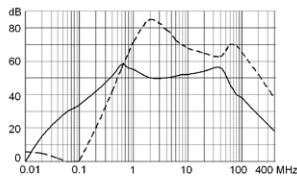


**Attenuation Loss**

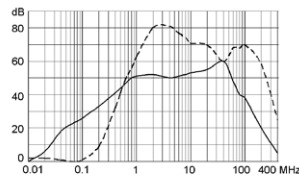
--- differential mode    \_\_\_\_ common mode

**Standard version**

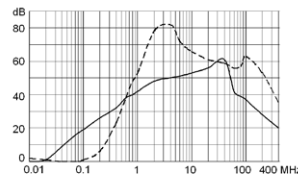
**1 A**



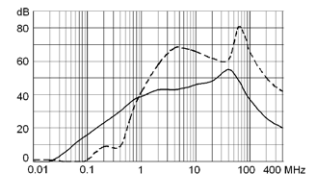
**2 A**



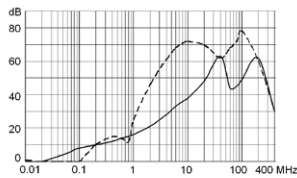
**4 A**



**6 A**

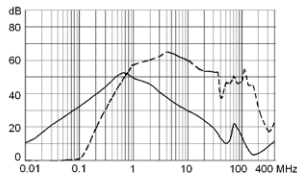


**10 A**

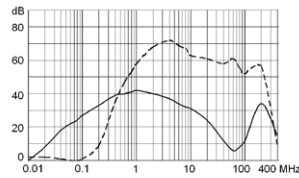


**Medical version (M5)**

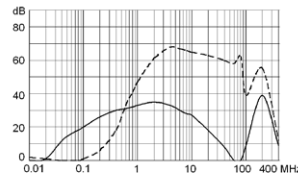
**1 A**



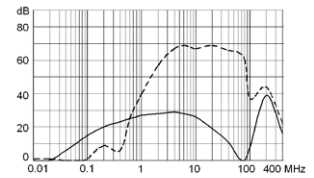
**2 A**



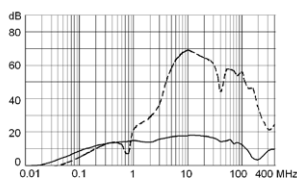
**4 A**



**6 A**



**10 A**



## Variants

Socket and fuse drawer included

Type	Rated Current [A]	Filter-Type	Fuseholder	Line Switch	Case	Material: Housing	Comment	Order Number
FKI	1	Standard Version	2-pole	2-pole	45	Aluminum	-	4304.4061
FKI	2	Standard Version	2-pole	2-pole	45	Aluminum	-	4304.4062
FKI	4	Standard Version	2-pole	2-pole	45	Aluminum	-	4304.4063
FKI	6	Standard Version	2-pole	2-pole	45	Aluminum	-	4304.4064
FKI	10	Standard Version	2-pole	2-pole	45	Aluminum	-	4304.4065
FKI	1	Medical Version (M5)	2-pole	2-pole	45	Aluminum	-	4304.4091
FKI	2	Medical Version (M5)	2-pole	2-pole	45	Aluminum	-	4304.4092
FKI	4	Medical Version (M5)	2-pole	2-pole	45	Aluminum	-	4304.4092
FKI	6	Medical Version (M5)	2-pole	2-pole	45	Aluminum	-	4304.4094
FKI	10	Medical Version (M5)	2-pole	2-pole	45	Aluminum	-	4304.4095
FKI	1	Standard Version	2-pole	2-pole	50	Nickel plated steel	1)	4304.4021
FKI	2	Standard Version	2-pole	2-pole	50	Nickel plated steel	1)	4304.4022
FKI	4	Standard Version	2-pole	2-pole	50	Nickel plated steel	1)	4304.4023
FKI	6	Standard Version	2-pole	2-pole	50	Nickel plated steel	1)	4304.4024
FKI	10	Standard Version	2-pole	2-pole	50	Nickel plated steel	1)	4304.4025
FKI	1	Medical Version (M5)	2-pole	2-pole	50	Nickel plated steel	1)	4304.4066
FKI	2	Medical Version (M5)	2-pole	2-pole	50	Nickel plated steel	1)	4304.4067
FKI	4	Medical Version (M5)	2-pole	2-pole	50	Nickel plated steel	1)	4304.4068
FKI	6	Medical Version (M5)	2-pole	2-pole	50	Nickel plated steel	1)	4304.4069
FKI	10	Medical Version (M5)	2-pole	2-pole	50	Nickel plated steel	1)	4304.4070

1) Versions with nickel plated steel enclosure are on phase-out. For new designs we recommend the versions with aluminum enclosure.

**Packaging unit** 10 Pcs

## Accessory

### Description



Assorted Covers  
Rear Cover

0859.0074

## Passende Dose

### Category / Description



### 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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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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