

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

Standard- or Medical-Filter



Screw-On Version



Screw-On Version



70° C



Description

- Panel Mount:
Screw-on from front side
- 4 Functions:
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](#)

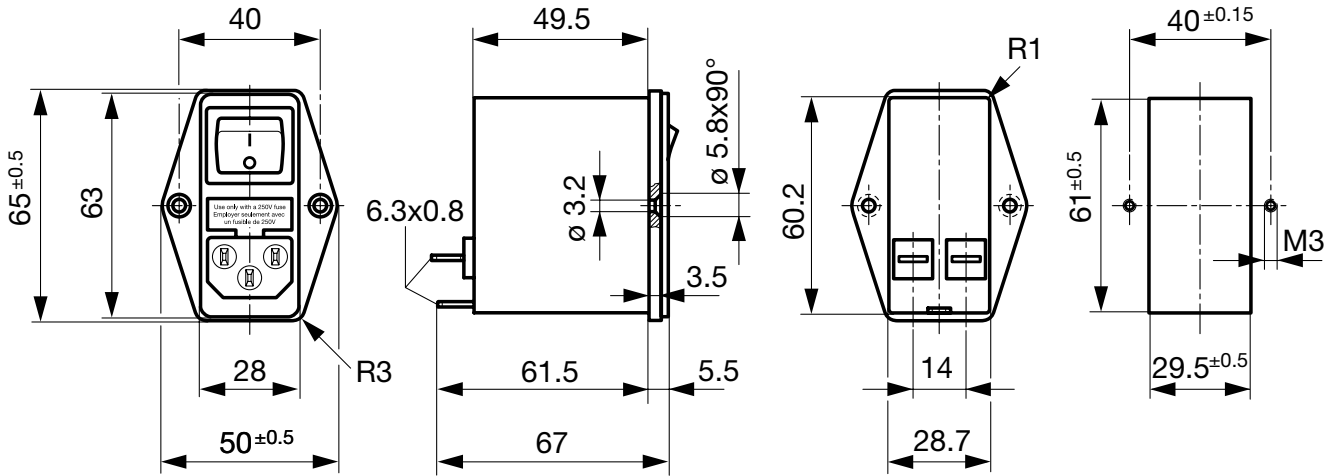
Technical Data

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 Technical details
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		
Panel Thickness s	Screw-on: max 8 mm Mounting screw torque max 0.5Nm		
Material: Housing	Thermoplastic, black, UL 94V-0		

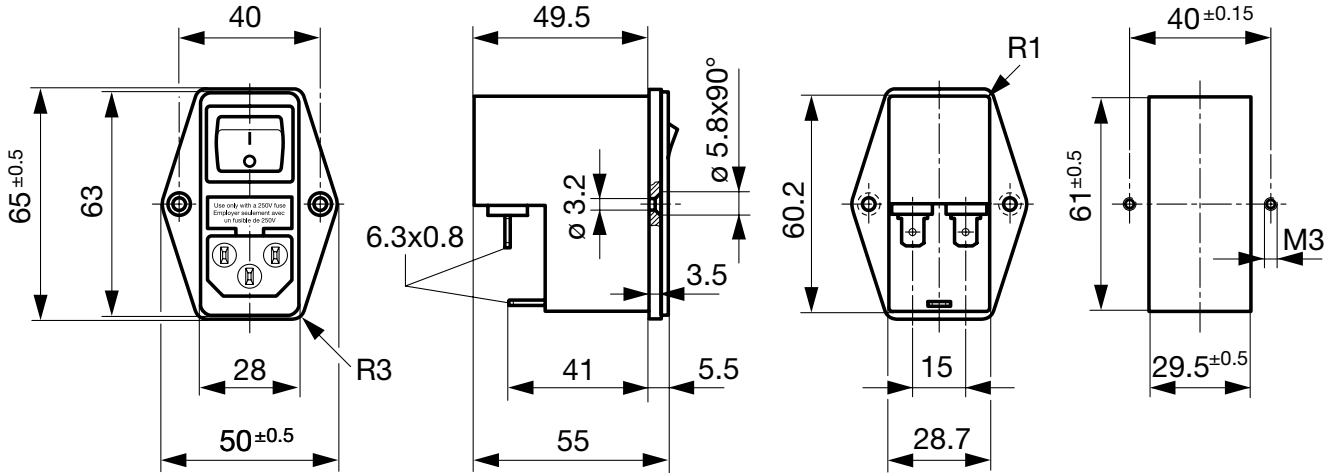
Dimensions

Case 45
recommend for new designs

Length |-----| 55 mm



Case 50
on phase-out

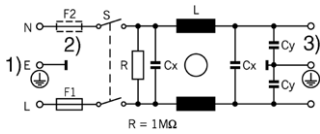


Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [M Ω]
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

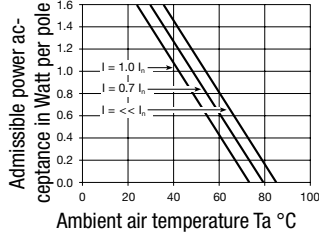
Standard Version



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

Derating Curves for Fuseholders

2-pole (per pole)

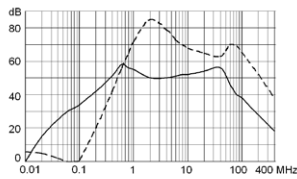


Attenuation Loss

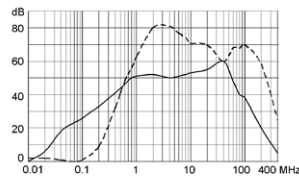
--- differential mode — common mode

Standard version

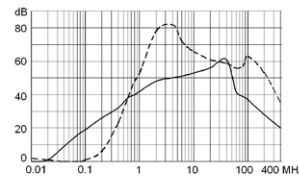
1 A



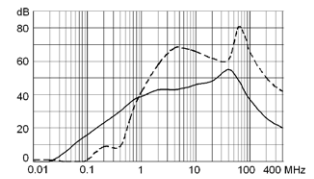
2 A



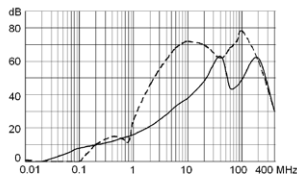
4 A



6 A

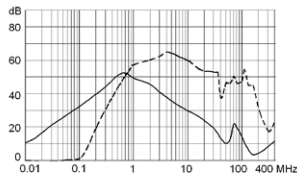


10 A

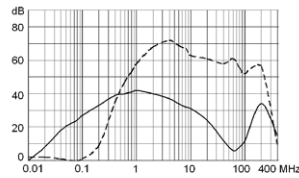


Medical version (M5)

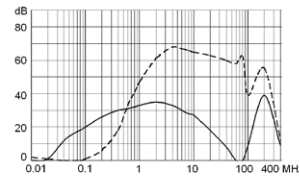
1 A



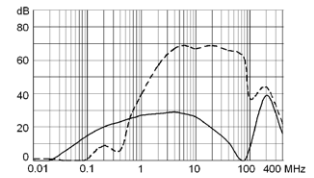
2 A



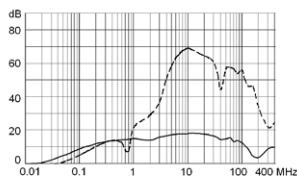
4 A



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