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

Plug removal necessary for fuse replacement

V-Lock



Screw-on mounting from front side
Version with ground line choke
without voltage selector
Fuse drawer must be ordered separately (see accessories).



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
Fuse drawer must be ordered separately (see accessories).

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
- V-Lock notch standard
- Quick connect terminals or wires

Unique Selling Proposition

- Reduces noise on the ground wire
- Interrupts ground loops
- High asymmetrical attenuation
- V-Lock cord retaining

Approvals

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

Characteristics

- Rear side mounting for efficient costsaving assembly
  Suitable for assembly in metal plated plastic housings
- All single elements are already wired
- Plug removal necessary for fuse-link replacement
- Suitable for use in equipment according to IEC/UL 60950
  Suitable for use in medical equipment according to IEC/UL 60601-1

Other versions on request

- Capacity CX 100 nF

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, REACH, Mating Connectors, e-Shop, SCHURTER-Stock-Check, Distributor-Stock-Check, CAD-Drawings, Accessories, Wire Harnessing, Detailed request for product

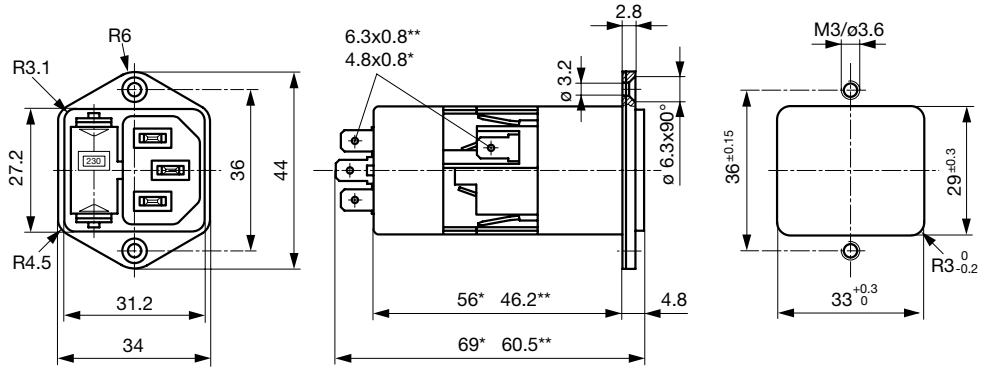
Technical Data

Ratings IEC	1 - 10 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	1 - 10 A @ 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 6.3 x 0.8 mm Flexible wire AWG18, 150 mm
Panel Thickness s	Screw: 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 60320, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, 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: 2 W (1 pole)/ 1.6 W (2-pole) per pole
Power Acceptance @ Ta > 23°C	Admissible power acceptance at higher ambient temperature see derating curves
Voltage Selector	optional, step, 3 pos.
Line Filter	Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
MTBF	> 1'700'000 h acc. to MIL-HB-217 F

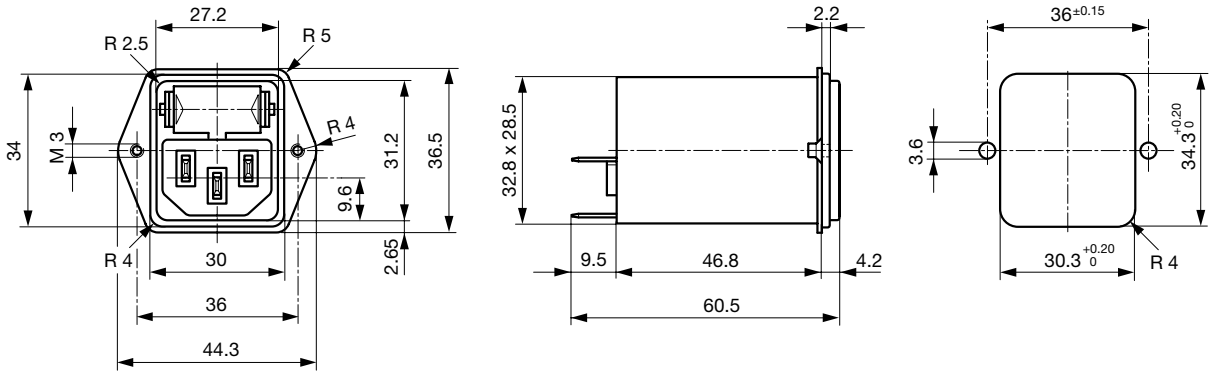
Dimension

Screw-on mounting from front side

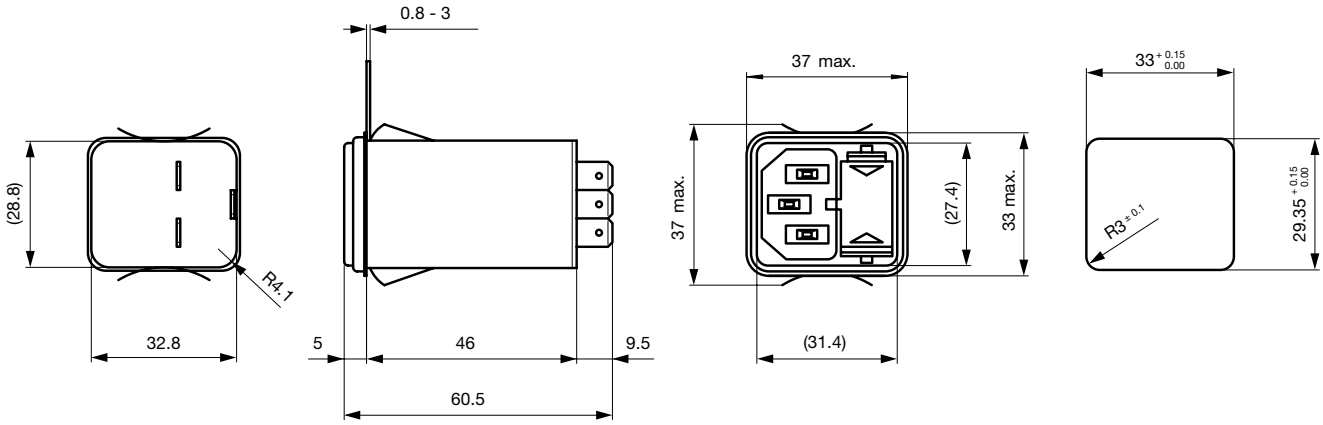


* with voltage selector
** without voltage selector

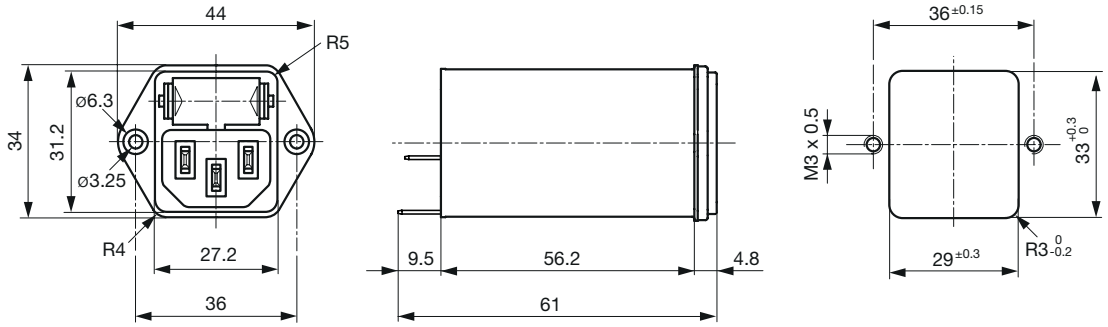
Screw-on mounting from rear side



Snap-in mounting



Screw-on mounting from front side with ground line choke

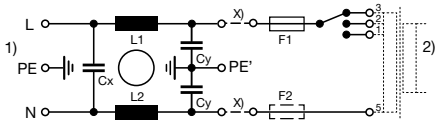


Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductance L1/ L2 [mH]	Inductance L3 [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	Standard Version with Ground Line Choke	2 x 10	0.6	100	2.2	-
2	Standard Version with Ground Line Choke	2 x 4	0.6	100	2.2	-
4	Standard Version with Ground Line Choke	2 x 1.5	0.6	100	2.2	-
6	Standard Version with Ground Line Choke	2 x 0.8	0.6	100	2.2	-
10	Standard Version with Ground Line Choke	2 x 0.3	0.6	100	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
1	Medical Version (M5) with Ground Line Choke	2 x 10	0.15	100	-	1
2	Medical Version (M5) with Ground Line Choke	2 x 4	0.6	100	-	1
4	Medical Version (M5) with Ground Line Choke	2 x 1.5	0.6	100	-	1
6	Medical Version (M5) with Ground Line Choke	2 x 0.8	0.6	100	-	1
10	Medical Version (M5) with Ground Line Choke	2 x 0.3	0.15	100	-	1

Diagrams

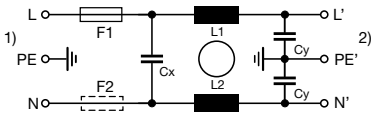
Standard version
with voltage selector



x) external connection to be made by the customer

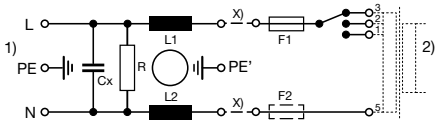
1) Line
2) Load

Standard version
without voltage selector



1) Line
2) Load

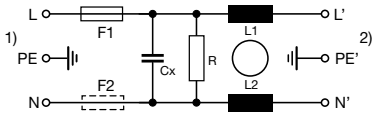
Medical version (M5)
with voltage selector



x) external connection to be made by the customer

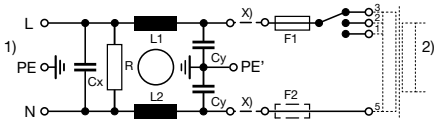
1) Line
2) Load

Medical version (M5)
without voltage selector



1) Line
2) Load

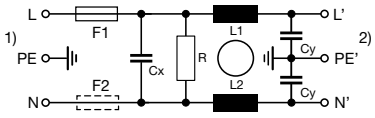
Medical version (M80)
with voltage selector



x) external connection to be made by the customer

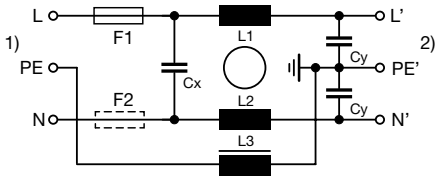
1) Line
2) Load

Medical version (M80)
without voltage selector



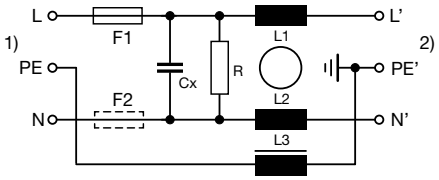
1) Line
2) Load

Standard version with ground line choke



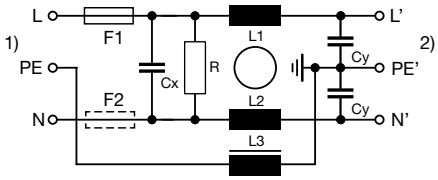
1) Line
2) Load

Medical version (M5) with ground line choke



1) Line
2) Load

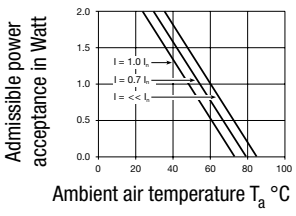
Medical version (M80) with ground line choke



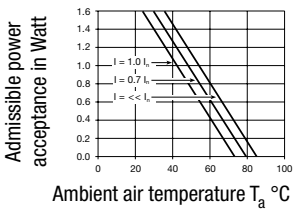
1) Line
2) Load

Derating Curves

1-pole



2-pole

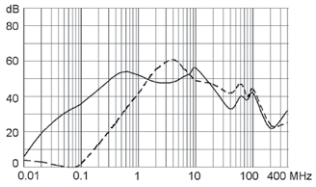


Attenuation Loss

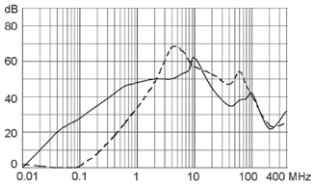
- - - - differential mode _____ common mode

Standard version

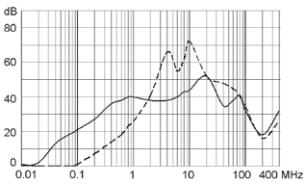
1 A



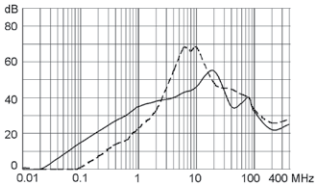
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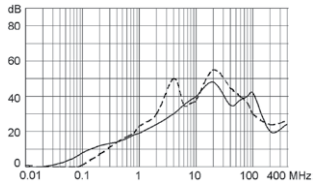
4 A



6 A

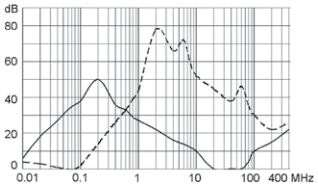


10 A

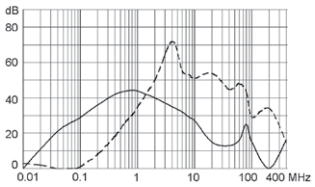


Medical version (M5)

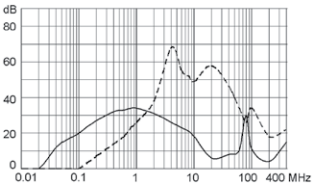
1 A



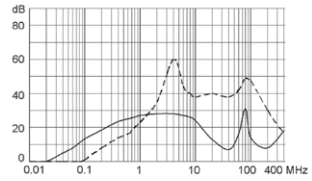
2 A



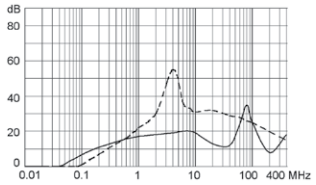
4 A



6 A

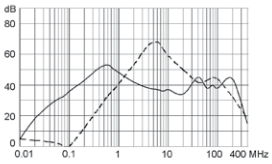


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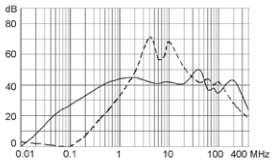


Medical version (M80)

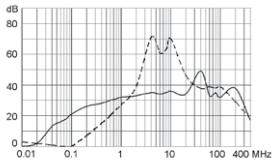
1 A



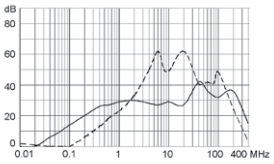
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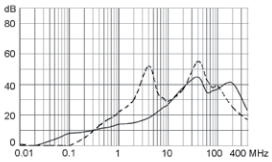
4 A



6 A

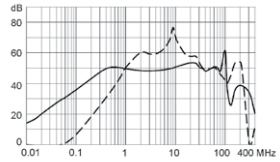


10 A

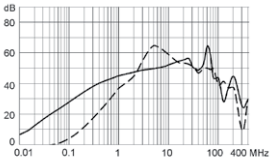


Standard with Earth Line Choke

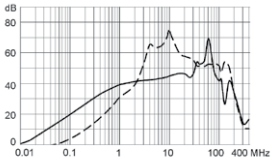
1 A



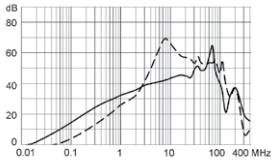
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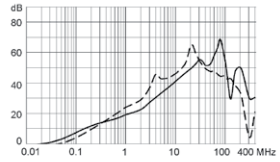
4 A



6 A

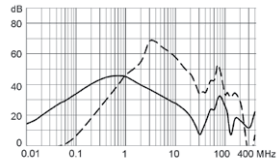


10 A

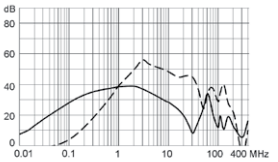


Medical (M5) with Earth Line Choke

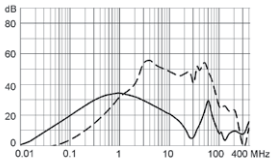
1 A



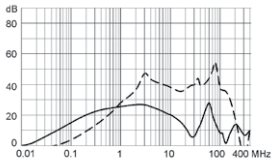
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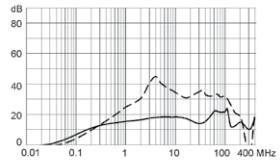
4 A



6 A



10 A



All Variants

Rated Current [A]	Filter-Type	Panel mounting	Mounting side	Fuseholder	Terminal	Voltage Selector	Order Number
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	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

Rated Current [A]	Filter-Type	Panel mounting	Mounting side	Fuseholder	Terminal	Voltage Selector	Order Number
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 with Ground Line Choke	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.8050
2	Standard Version with Ground Line Choke	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.8051
4	Standard Version with Ground Line Choke	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.8052
6	Standard Version with Ground Line Choke	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.8053
10	Standard Version with Ground Line Choke	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.8054
1	Medical Version (M5)	Snap-in	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.6201

Rated Current [A]	Filter-Type	Panel mounting	Mounting side	Fuseholder	Terminal	Voltage Selector	Order Number
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
6	Medical Version (M5)	Snap-in	Front Side	2-pole	Flexible wire AWG18	-	4301.6307
6	Medical Version (M5)	Snap-in	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.6207
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	-	4301.5203
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	-	4301.5205
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
4	Medical Version (M80)	Snap-in	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.6206
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	-	4301.5204
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	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.5200
10	Medical Version (M80)	Screw	Rear Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.7200
1	Medical Version (M5) with Ground Line Choke	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.8055
2	Medical Version (M5) with Ground Line Choke	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.8056
4	Medical Version (M5) with Ground Line Choke	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.8057
6	Medical Version (M5) with Ground Line Choke	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.8058
10	Medical Version (M5) with Ground Line Choke	Screw	Front Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	-	4301.8059

Most Popular.

Availability for all products can be searched real-time:http://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER

Wire length: 150 mm

Packaging unit 10 Pcs

Required Accessory



Description

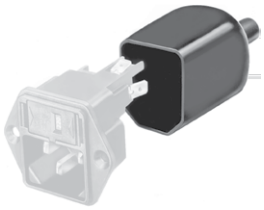
Fusedrawer 2
Fusedrawer für Fuse Links 5x20 mm, with or without Voltage Selector Insert

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



Wire Harness
Wire harness for SCHURTER products



Assorted Covers
Rear Cover

	0859.0072



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

4782 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13	4782
4022 Mounting: Power Supply Cord, 3 x 1.5 mm², Screw clamps, Connector: IEC C13	4022
4785 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13	4785
4300-06 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13	4300-06
4012 Mounting: Power Supply Cord, 3 x 1.5 mm², Screw clamps, Connector: IEC C13	4012
Connector further types to KFA	...

Mating Outlets/Connectors shuttered



Power Cord Overview complete

VAC17KS, North America, V-Lock cord retaining, 2.0 m, Connector C17, cord end:	6051.2801
VAC17KS, Europlug, V-Lock cord retaining, 2.0 m, Connector IEC C17, cord end:	6051.2803
VAC13KS, Overview, diverse Connector IEC C13, cord end:	VAC13KS
Power Cord further types to KFA	

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.