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<http://www.schurter.com/approvals>



Screw-on mounting
from front side
with voltage selector



Snap-in mounting
from front side
without voltage selector



New
Screw-on mounting
from rear side
without voltage selector

C14



70° C



Plug removal necessary for fuse replacement

Description

- Panel Mount:
Screw-on version from front or rear side, snap-in version from front side
- 4 Functions:
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

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 "Fingergrip" 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

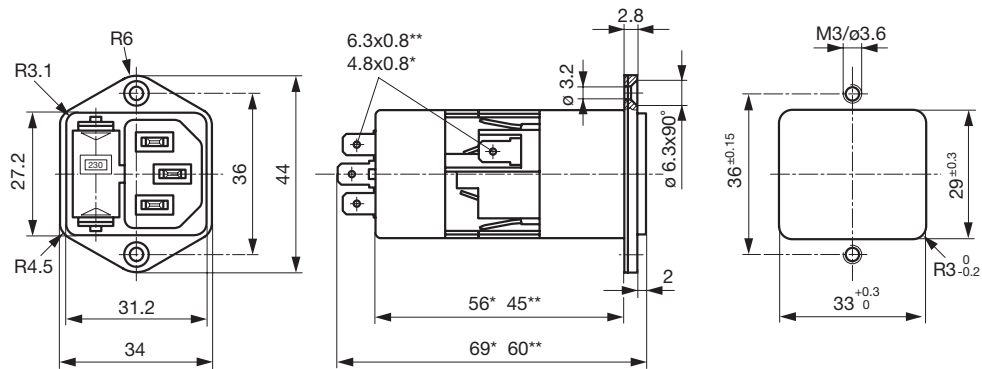
Technical Data

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, 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
Terminals	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 condition) 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. Take note of the information on page 14
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 Technical details see page 14

Dimensions

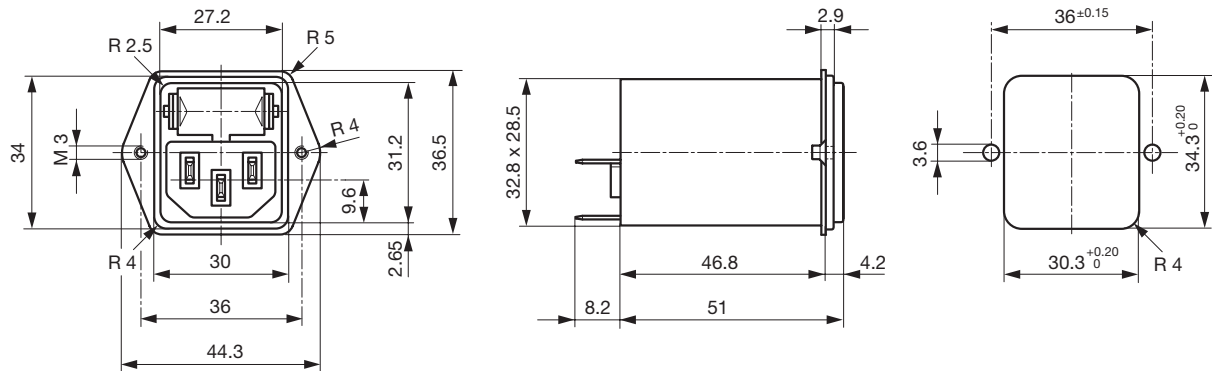
Screw-on mounting from front side



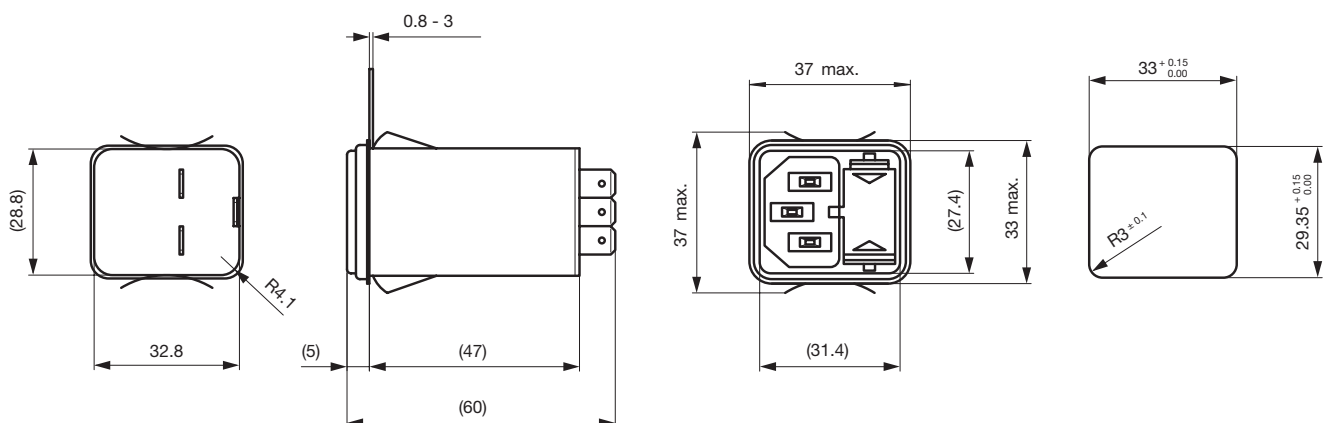
* with voltage selector

** without voltage selector

Screw-on mounting from rear side



Snap-in mounting

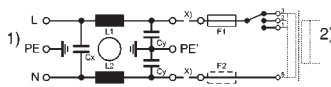


Technical Data of Filter-Components

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
2	Medical Version (M80)	2 x 4	68	0.47	1
4	Medical Version (M80)	2 x 1.5	68	0.47	1

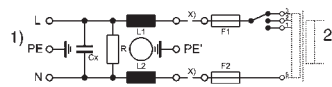
Diagrams

Standard version
with fuseholder 1- or 2-pole



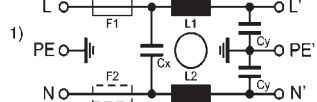
1) Line; 2) Load; x) external connection to be made by the customer

Medical version (M5)
with fuseholder 2-pole



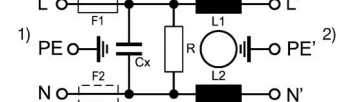
1) Line; 2) Load; x) external connection to be made by customer

Standard version
without voltage selector



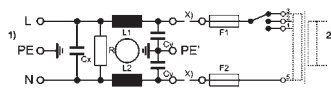
1) Line
2) Load

Medical version (M5)
without voltage selector



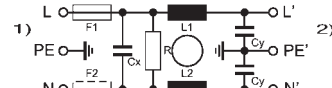
1) Line
2) Load

Medical version (M80)
with voltage selector



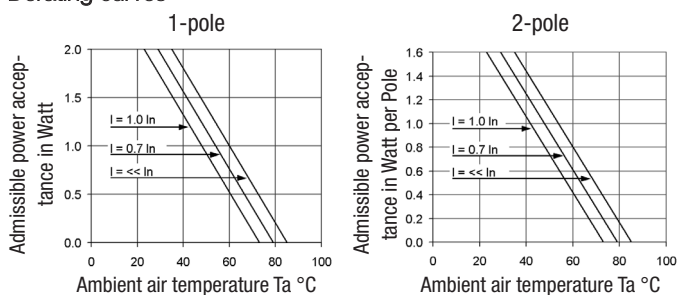
1) Line; 2) Load; x) external connection to be made by customer

Medical version (M80)
without voltage selector



1) Line
2) Load

Derating curves



Attenuation loss

- - - differential mode _____ common mode

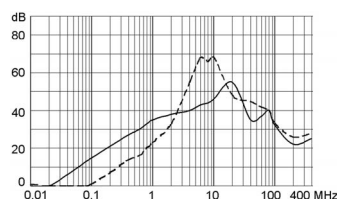
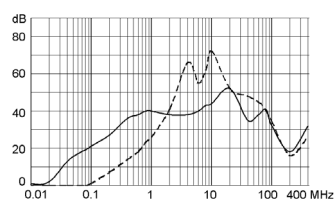
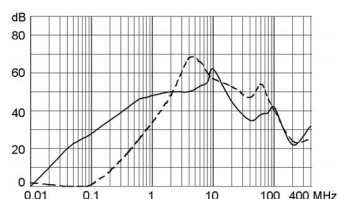
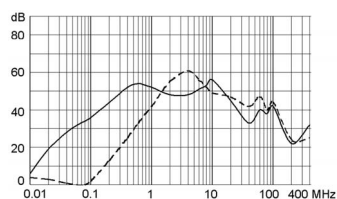
Standard version

1A

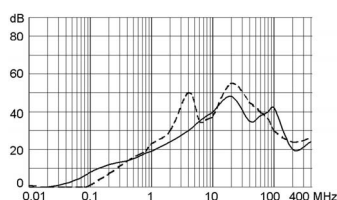
2A

4A

6 A



10 A



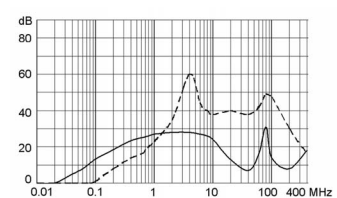
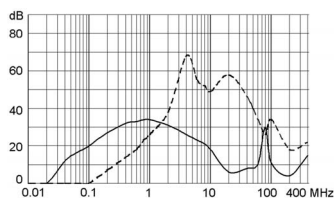
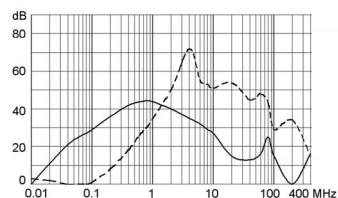
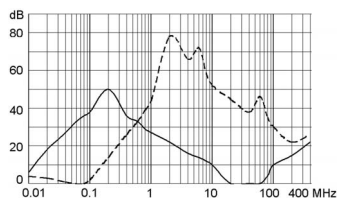
Medical version (M5)

1A

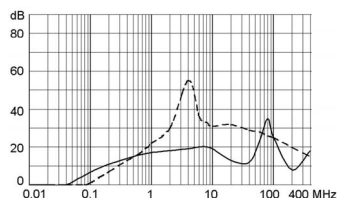
2A

4 A

6 A



10 A



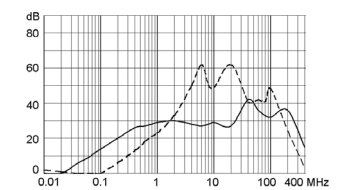
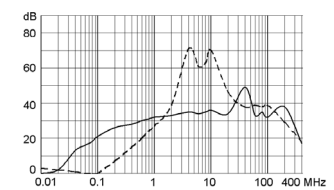
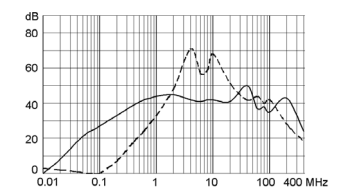
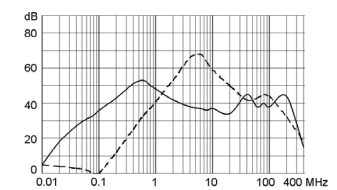
Medical version (M80)

1 A

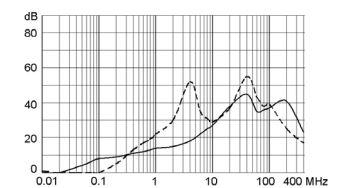
2A

4 A

6 A



10 A



Variants

Fuse drawer must be ordered separately (See accessories).

Order Number	Rated Current [A]	Filter-Type	Panel mounting	Mounting side	Fuseholder	Terminals	Voltage selector
4301.6011	1	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	1-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.6013	4	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	1-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.6015	10	Standard Version	Snap-In	Front-Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.6001	1	Standard Version	Snap-In	Front-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.6002	2	Standard Version	Snap-In	Front-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.6003	4	Standard Version	Snap-In	Front-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.6004	6	Standard Version	Snap-In	Front-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.5051	1	Standard Version	Screw-on	Front-Side	1-pole	Quick connect terminals 4.8 x 0.8 mm	3 digits
4301.5052	2	Standard Version	Screw-on	Front-Side	1-pole	Quick connect terminals 4.8 x 0.8 mm	3 digits
4301.5053	4	Standard Version	Screw-on	Front-Side	1-pole	Quick connect terminals 4.8 x 0.8 mm	3 digits
4301.5054	6	Standard Version	Screw-on	Front-Side	1-pole	Quick connect terminals 4.8 x 0.8 mm	3 digits
4301.5055	10	Standard Version	Screw-on	Front-Side	1-pole	Quick connect terminals 4.8 x 0.8 mm	3 digits
4301.5011	1	Standard Version	Screw-on	Front-Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.5012	2	Standard Version	Screw-on	Front-Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.5013	4	Standard Version	Screw-on	Front-Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.5014	6	Standard Version	Screw-on	Front-Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.5015	10	Standard Version	Screw-on	Front-Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.5041	1	Standard Version	Screw-on	Front-Side	2-pole	Quick connect terminals 4.8 x 0.8 mm	3 digits
4301.5042	2	Standard Version	Screw-on	Front-Side	2-pole	Quick connect terminals 4.8 x 0.8 mm	3 digits
4301.5043	4	Standard Version	Screw-on	Front-Side	2-pole	Quick connect terminals 4.8 x 0.8 mm	3 digits
4301.5044	6	Standard Version	Screw-on	Front-Side	2-pole	Quick connect terminals 4.8 x 0.8 mm	3 digits
4301.5045	10	Standard Version	Screw-on	Front-Side	2-pole	Quick connect terminals 4.8 x 0.8 mm	3 digits
4301.5001	1	Standard Version	Screw-on	Front-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.5002	2	Standard Version	Screw-on	Front-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.5003	4	Standard Version	Screw-on	Front-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.5004	6	Standard Version	Screw-on	Front-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.5005	10	Standard Version	Screw-on	Front-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.7311	1	Standard Version	Screw-on	Rear-Side	1-pole	Wire 18 AWG	
4301.7011	1	Standard Version	Screw-on	Rear-Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.7012	2	Standard Version	Screw-on	Rear-Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.7013	4	Standard Version	Screw-on	Rear-Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.7014	6	Standard Version	Screw-on	Rear-Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.7015	10	Standard Version	Screw-on	Rear-Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.7301	1	Standard Version	Screw-on	Rear-Side	2-pole	Wire 18 AWG	
4301.7001	1	Standard Version	Screw-on	Rear-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.7002	1	Standard Version	Screw-on	Rear-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.7002	2	Standard Version	Screw-on	Rear-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.7004	2	Standard Version	Screw-on	Rear-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.7003	4	Standard Version	Screw-on	Rear-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.7006	4	Standard Version	Screw-on	Rear-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.7004	6	Standard Version	Screw-on	Rear-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.7208	6	Standard Version	Screw-on	Rear-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.7005	10	Standard Version	Screw-on	Rear-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.7000	10	Standard Version	Screw-on	Rear-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.6201	1	Medical Version (M5)	Snap-In	Front-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.6203	2	Medical Version (M5)	Snap-In	Front-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.6205	4	Medical Version (M5)	Snap-In	Front-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.6207	6	Medical Version (M5)	Snap-In	Front-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.6209	10	Medical Version (M5)	Snap-In	Front-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.5217	6	Medical Version (M5)	Screw-on	Front-Side	1-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.5241	1	Medical Version (M5)	Screw-on	Front-Side	2-pole	Quick connect terminals 4.8 x 0.8 mm	3 digits
4301.5243	2	Medical Version (M5)	Screw-on	Front-Side	2-pole	Quick connect terminals 4.8 x 0.8 mm	3 digits

Order Number	Rated Current [A]	Filter-Type	Panel mounting	Mounting side	Fuseholder	Terminals	Voltage selector
4301.5245	4	Medical Version (M5)	Screw-on	Front-Side	2-pole	Quick connect terminals 4.8 x 0.8 mm	3 digits
4301.5247	6	Medical Version (M5)	Screw-on	Front-Side	2-pole	Quick connect terminals 4.8 x 0.8 mm	3 digits
4301.5249	10	Medical Version (M5)	Screw-on	Front-Side	2-pole	Quick connect terminals 4.8 x 0.8 mm	3 digits
4301.5209	10	Medical Version (M5)	Screw-on	Front-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.7201	1	Medical Version (M5)	Screw-on	Rear-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.7203	2	Medical Version (M5)	Screw-on	Rear-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.7205	4	Medical Version (M5)	Screw-on	Rear-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.7207	4	Medical Version (M5)	Screw-on	Rear-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.7209	4	Medical Version (M5)	Screw-on	Rear-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.6206	4	Medical Version (M80)	Snap-In	Front-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	
4301.5244	2	Medical Version (M80)	Screw-on	Front-Side	2-pole	Quick connect terminals 4.8 x 0.8 mm	3 digits
4301.5206	4	Medical Version (M80)	Screw-on	Front-Side	2-pole	Quick connect terminals 6.3 x 0.8 mm	

Packaging unit

10 Pcs

Accessories

see page 18

ACCESSORIES

Order Numbers fuse drawer (Fingergrip and Extra-Safe) for KFA

Voltage markings	Type	1-pole	2-pole	1-pole + spare fuse case	2-pole with shorting bar in the neutral side
«XX» see table 1	Fingergrip	4301.1214.XX	4301.1014.XX	4301.2814.XX	4301.3536.XX
«XX»	Extra-Safe	4301.1224.XX	4301.1024.XX	4301.2824.XX	4301.3537.XX
without voltage selector	Fingergrip	4301.1405	4301.1401	4301.1409	4301.1413
without voltage selector	Extra-Safe	4301.1407	4301.1403	4301.1411	4301.1415

* only 1-/2-pole

Table 1

Index XX	Voltage markings/terminal no			
	1	2	3	4
01	110	150	220	–
02	120	–	240	–
03	110	–	220	–
04	115	–	220	–
05	110	–	230	–
06	115	–	230	–
07	100	110	220	240
08	100	120	220	240
09	110	–	117	–
10	220	–	240	–
11	120	220	240	–
12	110	220	240	–

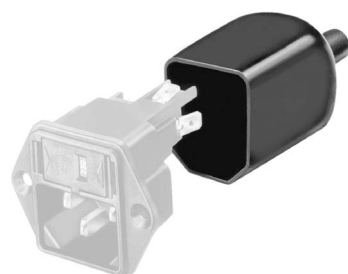
Table 1

Index XX	Voltage markings/terminal no			
	1	2	3	4
13	115	220	240	–
14	–	–	–	–
15	100	120	220	–
16	50 Hz	–	60 Hz	–
17	220	–	110	–
18	110	240	220	–
19	117	220	240	–
20	100	110	127	230
21	110	120	220	–
22	110	220	230	–
23	100	115	220	240
24	115	230	240	–

Insulating cover for DC12, KFA, C20F

The terminals of the Schurter appliance couplers can be protected against unintentional contact by the use of an insulation cover.

They are made of flexible thermoplastic (UL 94V-0, black) and can be easily mounted from the rear to the corresponding appliance couplers.



Order Numbers

	suitable for
0859.0047	C20F
0859.0075	KFA, DC12

Cord retaining kits for DC12, KFA, C20F

For protection against loosening or accidental disconnection of the plug connector. Can also be mounted later.

Horizontal flanged components are secured to the panel using the kit supplied. Vertical flanged or snap-in components require additional drilling for the cord retaining kit as shown in the diagrams below.

Each cord retaining kit consists of:

- 1 Stainless steel retaining clip
- 2 Nickel plated brass pillars
- 2 Nickel plated brass nuts
- 2 Nickel plated beryllium copper crinkle washers



Cut-aways or countersinks on pillars to face inwards.

Order Numbers Connector suitable for KFA and DC12

Order Numbers	Connector	Front side mounting screw on	Rear side mounting screw on	Front side mounting snap
4700.0001	4782.0000 4782.0100		X	X
4700.0002	4782.0000 4782.0100	X		

Order Numbers Connector suitable for C20F

Order Numbers	Connector	Front side mounting screw on	Rear side mounting screw on	Rear side mounting snap in
4700.0010	4795.0000	X		
4700.0011	4795.0000		X	X