IEC Appliance Connector C14 with CBE 1- or 2-pole

C14

70° C

Description

- Panel Mount:
  Screw-on from front side
- 2 Functions:
  Inlet Protection class I, circuit breaker type TA45 2-pole
- Quick connect terminals 6.3 x 0.8 mm
- Alternative: version with line filter 5145
- We recommend for new applications the new type DF11

Characteristics

- All single elements are already wired
  Unwired versions available on request
- Line switch non-illuminated or illuminated
  Thermal overload protection
  Optional with undervoltage release or remote trip release
- Qualified for use in equipment according IEC/EN 60950

Weblinks

Approvals, RoHS, CHINA-RoHS, e-Store, SCHURTER-Stock-Check, Distributor-Stock-Check

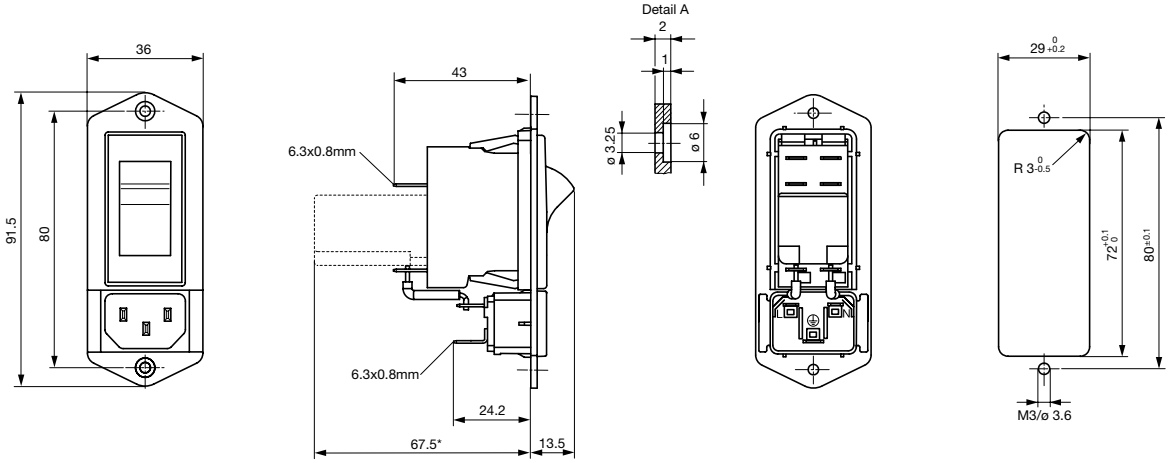
Technical Data

Ratings IEC	10 A / 250 VAC; Hz 50
Ratings UL/CSA	15 A / 250 VAC; 60 Hz
Dielectric Strength	> 1.5 kVAC between L/N-PE (1 min/50 Hz)
Allowable Operation Temp.	-10 °C to 55 °C
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
Panel Thickness s	Screw-on: max 6 mm Mounting screw torque max 0.5 Nm
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
Circuit breaker	Acc. IEC/EN 60934, UL 1077, CSA 22.2 no. 235 2-pole rocker switch, illuminated or non-illuminated. Optional with undervoltage- or remote trip release Short circuit capacity Icn: at In < 3A/240VAC : 10 x In at In ≥ 3A/240VAC : 300A
Line Switch	Rocker switch 2-pole, non-illuminated or illuminated, acc. to IEC 61058-1 Technical details

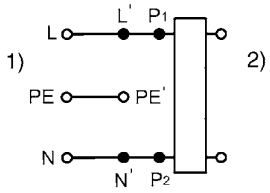
Dimensions

Length 91.5 mm



* --- Version TA45 with undervoltage release

Diagrams



1) Line
2) Load

Packaging unit 20 Pcs

Accessory

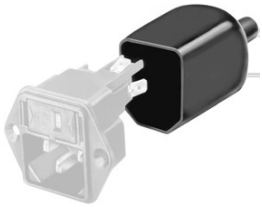
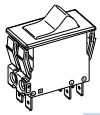
	Description
	Assorted Covers Rear Cover

Table 1 Selection for type TA45
Order example

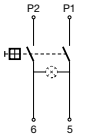
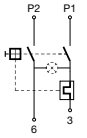
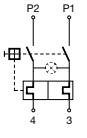
ABT | W | F | 150 | C0



- Line switch
- 2-pole, rocker actuated
- Quick connect terminal

Other types on request

Diagram

Thermal overload protection		without	with 1-pole	with 2-pole
				
Without illumination		**ABC**	**ABT**	**ABD**
With illumination	220…240 V	**A02**	**A12**	**A32**
	110…120 V	**A04**	**A14**	**A34**

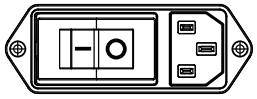
Colours

Switch front		Rocker	
W	black	white	–
B	black	black	–
6	black	–	orange transp.

Rocker legend

	Surface	Illustration	Colour of print
F	embossed / Relief	– O	
H	printed / bedruckt	ON OFF	white / weiss
K	printed / bedruckt	ON OFF	black / schwarz
L	printed / bedruckt	– O	white / weiss
M	printed	– O	black
P	printed	I O	white
R	printed	I O	black

Position of the rocker legend
e.g F



Rated current:

- **Without thermal overload protection: code C00** } I_n = 20 A
- **With thermal overload protection: rated current I_n (A)**

I_n	Code	I_n	Code	I_n	Code	I_n	Code
0,1	**J01**	1,3	**J13**	2,8	**J28**	10,0	**100**
0,2	**J02**	1,4	**J14**	3,0	**030**	11,0	**110**
0,3	**J03**	1,5	**J15**	3,5	**035**	12,0	**120**
0,4	**J04**	1,6	**J16**	4,0	**040**	13,0	**130**
0,5	**J05**	1,7	**J17**	4,5	**045**	14,0	**140**
0,6	**J06**	1,8	**J18**	5,0	**050**	15,0	**150**
0,7	**J07**	1,9	**J19**	6,0	**060**		
0,8	**J08**	2,0	**J20**	6,5	**065**		
0,9	**J09**	2,1	**J21**	7,0	**070**		
1,0	**J10**	2,2	**J22**	7,5	**075**		
1,1	**J11**	2,3	**J23**	8,0	**080**		
1,2	**J12**	2,5	**J25**	9,0	**090**		

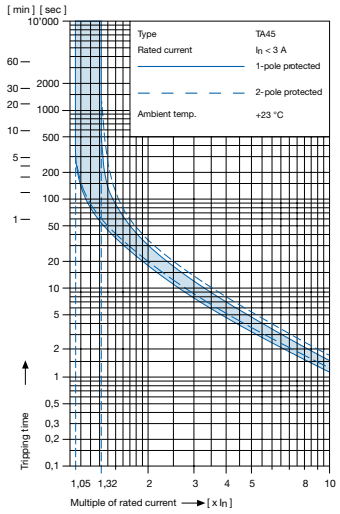
Without release: code C0

Undervoltage release

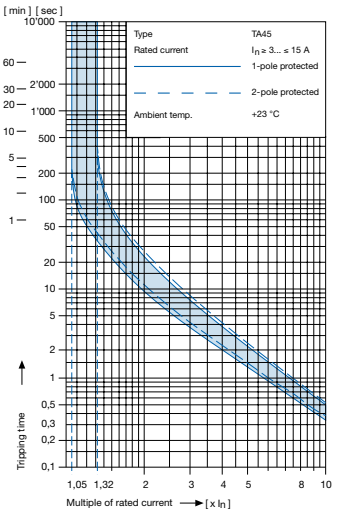
U	E	Z	A	Code	Rated voltage U_n
•	•	•	•	**2**	240 V AC
•	•	•	•	**3**	230 V AC
•	•	•	•	**4**	120 V AC

Technical data (continued)
Circuit breaker

Tripping characteristics
I_n < 3 A



Tripping characteristics
I_n ≥ 3...≤ 15 A



Effect of ambient temperature [1]
The unit is calibrated for an ambient temperature of +23 °C. To determine the rated current for a lower or higher ambient temperature, use a correction factor from the table below.

* Ambient temperature [°C]	Correction factor
–10	0,89
– 5	0,91
0	0,92
+23	1,00
+30	1,03
+40	1,08
+55	1,16

* Temperature must be measured at the rear of the breaker next to the terminals after equipment operating temperature has been reached.

[1] **Example**

Rated current at +23 °C	6,0 A
Ambient temperature	+40 °C
Correction factor	1,08
Chosen rated current at + 40 °C ambient temperature	**6 A x 1,08 = 6,5 A**

Order code (Order example)

Type	Order code TA 45 (2-pole rocker-switch without accessories)		
6145.	A B T W F 1 5 0 C 0 (see table 1)	.	0 0 1

Wiring
0 Without
1 With
2 Special (on request)

0 Without line filter

0 Without line filter

Please note that Schurter will establish an internal part number for logistical use in addition to the order code.
The format of this internal part number is, for example 6145.0031.001