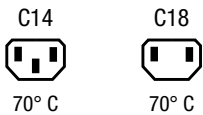
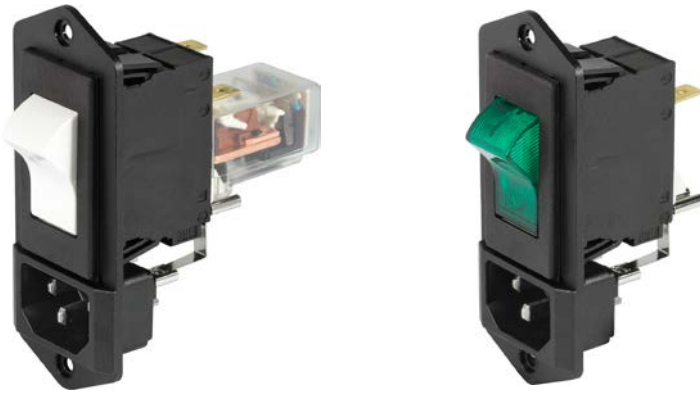


IEC Appliance Inlet C14 or C18 with Circuit Breaker TA45



Description

- Panel Mount :
Screw-on mounting from front side
- 2 Functions :
Appliance Inlet protection class I or II , circuit breaker type TA45 2-pole
- Quick connect terminals 6.3 x 0.8 mm

Approvals

- VDE Certificate Number: 40040061
- UL File Number: E96454

Characteristics

- All single elements are already wired
- Unwired versions available on request
- Circuit Breaker non-illuminated or illuminated
- Suitable for use in equipment according to IEC/UL 60950

References

Alternative: version with line filter [5145](#)
We recommend for new applications the new type [DF11](#)

Weblinks

[pdf datasheet](#), [html-datasheet](#), [General Product Information](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Distributor-Stock-Check](#), [Accessories](#), [Detailed request for product](#)

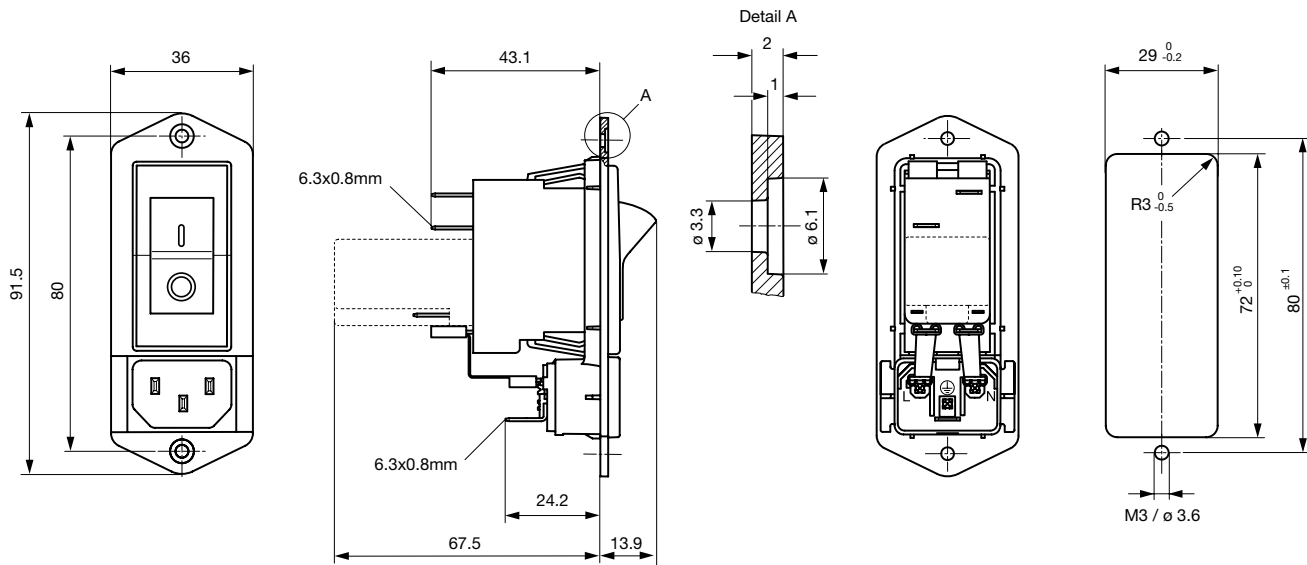
Newly available variants corresponding to V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

Technical Data

Ratings IEC	10 A / 250 VAC; 50 Hz	appliance inlet/-outlet	C14 acc. to IEC 60320-1, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class I or II
Ratings UL/CSA	15 A / 250 VAC; 60 Hz	Circuit Breakers	Acc. IEC/EN 60934, UL 1077, CSA 22.2 no. 235
Dielectric Strength	> 1.5 kVAC between L/N-PE (1 min/50 Hz)		2-pole rocker switch, illuminated or non-illuminated. Optional with undervoltage- or remote trip release
Allowable Operation Temperature	-10 °C to 55 °C		Short circuit capacity I _{cn} : at I _n < 3A/240VAC : 10 x I _n at I _n ≥ 3A/240VAC : 300A
IP-Protection	from front side IP 40 acc. to IEC 60529		
Insulation cover	Suitable for appliances with protection class I or II acc. to IEC 61140		
Terminal	Quick connect terminals 6.3 x 0.8 mm		
Panel Thickness s	Screw: max 6 mm Mounting screw torque max 0.5 Nm		
Material: Housing	Thermoplastic, black, UL 94V-0		

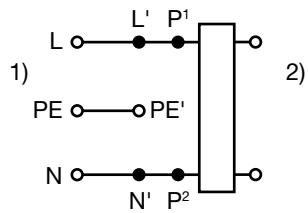
Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [General Product Information](#)

Dimensions



* --- Version TA45 with undervoltage release

Diagrams



1) Line
2) Load

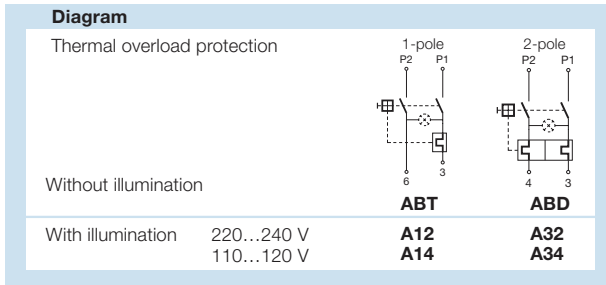
Table 1 Selection for type TA45

Order example



- Circuit Breaker of Equipment
 - 2-pole, rocker actuated
 - Quick connect terminal
- Other types on request

ABT W F 150 C0



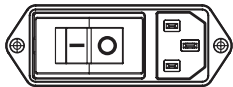
Colours

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

Rocker legend

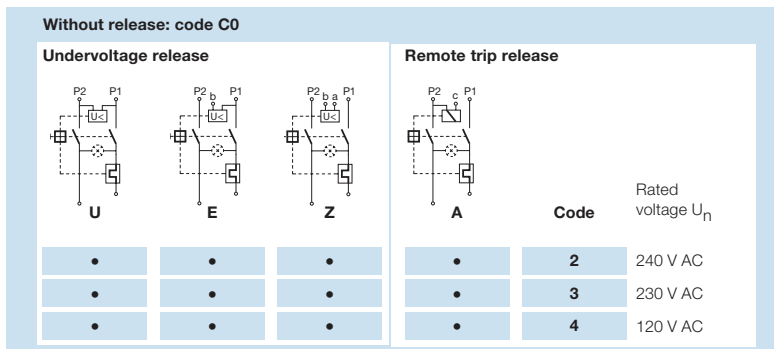
Surface	Illustration	Colour of print	Surface	Illustration	Colour of print
F	embossed / Relief	— O	M	printed	— O black
H	printed / bedruckt	ON OFF white / weiss	P	printed	I O white
K	printed / bedruckt	ON OFF black / schwarz	R	printed	I O black
L	printed / bedruckt	— O white / weiss			

Position of the rocker legend
e.g F



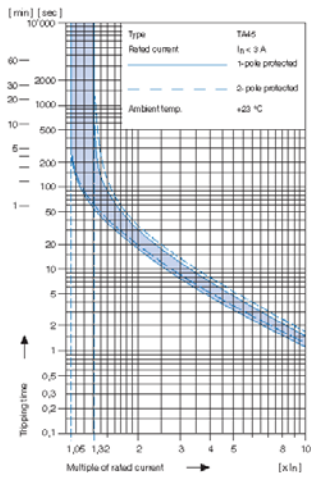
Rated current circuit breaker of equipment

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	20,0	200
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		

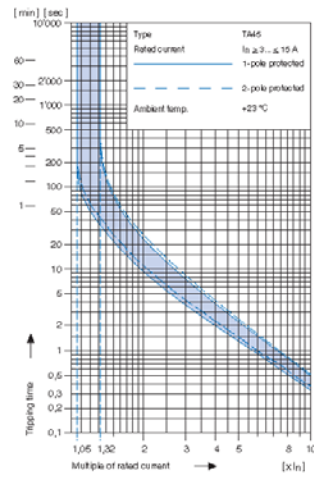


Technical data (continued)
Circuit breaker

Tripping characteristics
 $I_n < 3 A$



Tripping characteristics
 $I_n \geq 3... \leq 15 A$



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**

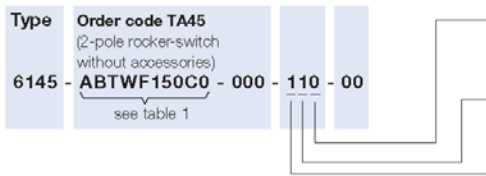
-10	0,89
- 5	0,91
0	0,92
+23	1,00
+30	1,03
+40	1,08
+55	1,16

* 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

Configuration code (example)



Terminal PE

- 0 without terminal (PCI)
- 1 Quick-connect terminal 6.3x0.8 mm

Terminal N

- 1 Quick-connect terminals 6.3x0.8mm
- 4 connection to TA45 non insulated

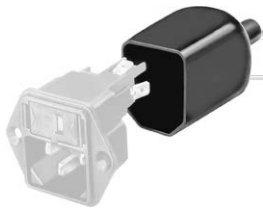
Terminal L

- 1 Quick-connect terminals 6.3x0.8mm
- 4 connection to TA45 non insulated

Packaging unit 20 Pcs

Accessories

Description



Assorted Covers
Rear Cover

0859.0074

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 6145](#)

[Connector Overview complete](#)



4782 Mounting: Power Cord, 3 x 1 mm ² / 3 x 18 AWG, Cable, Connector: IEC C13	4782
4022 Mounting: Power Supply Cord, 3 x 1.5 mm ² , Screw clamps, Connector: IEC C13	4022
4785 Mounting: Power Cord, 3 x 1 mm ² / 3 x 18 AWG, Cable, Connector: IEC C13	4785
4300-06 Mounting: Power Cord, 3 x 1 mm ² / 3 x 18 AWG, Cable, Connector: IEC C13	4300-06
4012 Mounting: Power Supply Cord, 3 x 1.5 mm ² , Screw clamps, Connector: IEC C13	4012

[Connector further types to 6145](#)

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