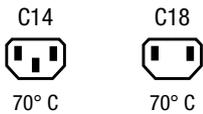


IEC Appliance Inlet C14 or C18 with Circuit Breaker TA45



**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**

- Approval Reference Type: 6145
- 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](#), [Microsite](#)

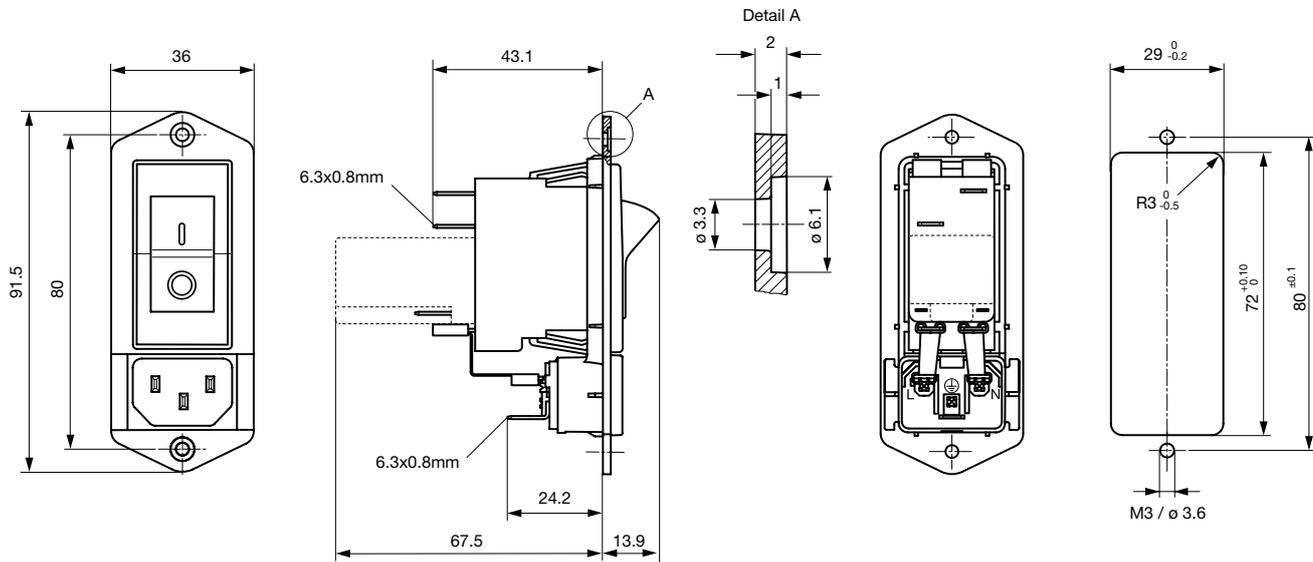
Newly available variants corresponding to V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

**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   |                         |  |
| Dielectric Strength             | > 1.5 kVAC between L/N-PE (1 min/50 Hz)                                 |                         |  |
| Allowable Operation Temperature | -10 °C to 55 °C   | Circuit Breakers        | Acc. IEC/EN 60934, UL 1077, CSA 22.2 no. 235<br>2-pole rocker switch, illuminated or non-illuminated. Optional with undervoltage- or remote trip release<br>Short circuit capacity Icn:<br>at In < 3A/240VAC : 10 x In<br>at In ≥ 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<br>Mounting screw torque max 0.5 Nm                     |                         |  |
| Material: Housing               | Thermoplastic, black, UL 94V-0  |                         |  |

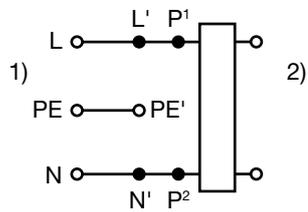
Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [General Product Information](#)

## Dimensions



\* --- Version TA45 with undervoltage release

## Diagrams



1) Line  
2) Load

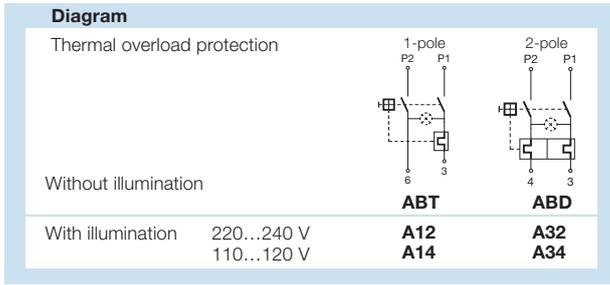
**Table 1 Selection for type TA45**

Order example



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

ABT W F 150 C0



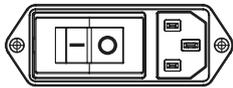
**Colours**

| Switch front |       | Rocker |                |
|--------------|-------|--------|----------------|
| <b>W</b>     | black | white  | -              |
| <b>B</b>     | black | black  | -              |
| <b>6</b>     | black | -      | orange transp. |

**Rocker legend**

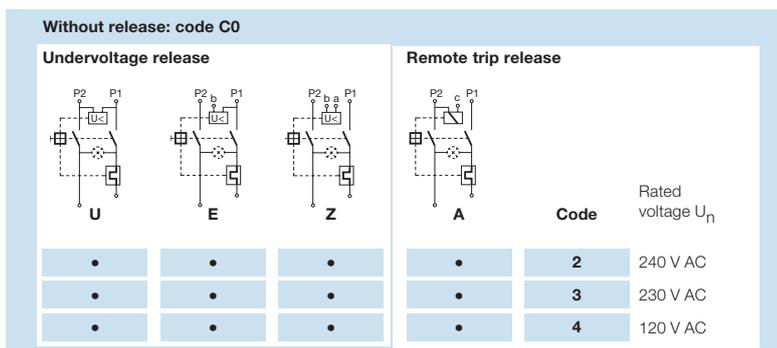
| Surface                     | Illustration | Colour of print | Surface          | Illustration | Colour of print |
|-----------------------------|--------------|-----------------|------------------|--------------|-----------------|
| <b>F</b> embossed / Relief  | — ○          |                 | <b>M</b> printed | — ○          | black           |
| <b>H</b> printed / bedruckt | ON OFF       | white / weiss   | <b>P</b> printed | I ○          | white           |
| <b>K</b> printed / bedruckt | ON OFF       | black / schwarz | <b>R</b> printed | I ○          | black           |
| <b>L</b> printed / bedruckt | — ○          | white / weiss   |                  |              |                 |

Position of the rocker legend  
e.g F



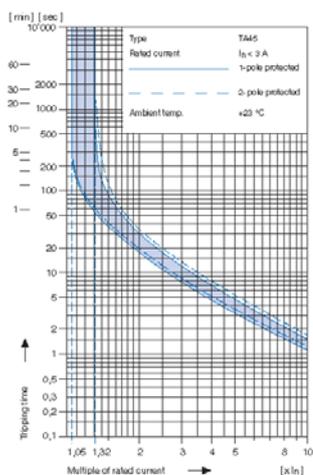
**Rated current circuit breaker of equipment**

| $I_n$ | Code       | $I_n$ | Code       | $I_n$ | Code       | $I_n$ | Code       |
|-------|------------|-------|------------|-------|------------|-------|------------|
| 0,1   | <b>J01</b> | 1,3   | <b>J13</b> | 2,8   | <b>J28</b> | 10,0  | <b>100</b> |
| 0,2   | <b>J02</b> | 1,4   | <b>J14</b> | 3,0   | <b>030</b> | 11,0  | <b>110</b> |
| 0,3   | <b>J03</b> | 1,5   | <b>J15</b> | 3,5   | <b>035</b> | 12,0  | <b>120</b> |
| 0,4   | <b>J04</b> | 1,6   | <b>J16</b> | 4,0   | <b>040</b> | 13,0  | <b>130</b> |
| 0,5   | <b>J05</b> | 1,7   | <b>J17</b> | 4,5   | <b>045</b> | 14,0  | <b>140</b> |
| 0,6   | <b>J06</b> | 1,8   | <b>J18</b> | 5,0   | <b>050</b> | 15,0  | <b>150</b> |
| 0,7   | <b>J07</b> | 1,9   | <b>J19</b> | 6,0   | <b>060</b> | 20,0  | <b>200</b> |
| 0,8   | <b>J08</b> | 2,0   | <b>J20</b> | 6,5   | <b>065</b> |       |            |
| 0,9   | <b>J09</b> | 2,1   | <b>J21</b> | 7,0   | <b>070</b> |       |            |
| 1,0   | <b>J10</b> | 2,2   | <b>J22</b> | 7,5   | <b>075</b> |       |            |
| 1,1   | <b>J11</b> | 2,3   | <b>J23</b> | 8,0   | <b>080</b> |       |            |
| 1,2   | <b>J12</b> | 2,5   | <b>J25</b> | 9,0   | <b>090</b> |       |            |

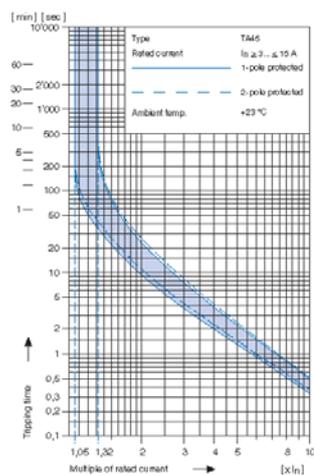


**Technical data (continued)**  
**Circuit breaker**

Tripping characteristics  
 $I_n < 3 A$



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



**Effect of ambient temperature <sup>1)</sup>**

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.

**<sup>1)</sup> 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 | <b>6 A x 1,08 = 6,5 A</b> |

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

[Connector further types to 6145](#)

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