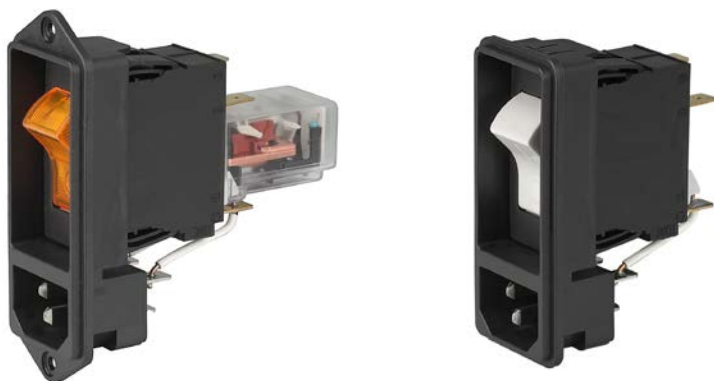


IEC Appliance Inlet C14 with recessed Circuit Breaker TA45



### Description

- Panel Mount:  
Screw-on version from front or rear side, snap-in version from front side
- 2 Functions:  
Appliance Inlet Protection class I, circuit breaker type TA45 2-pole
- Quick connect terminals 6.3 x 0.8 mm

### Approvals

- VDE Certificate Number: 40011305
- UL File Number: E96454

### Characteristics

- All single elements are already wired
- Switch non-illuminated or illuminated
- Suitable for use in equipment according to IEC/UL 60950

### Other versions on request

- Unwired versions
- Line switch 1-pole
- Other rocker marking
- Variant with notch for V-Lock mating Cordsets

### References

Alternative: version with line filter [DF12](#)

Substitute for type [6145](#)

### 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](#), [Detailed request for product](#)

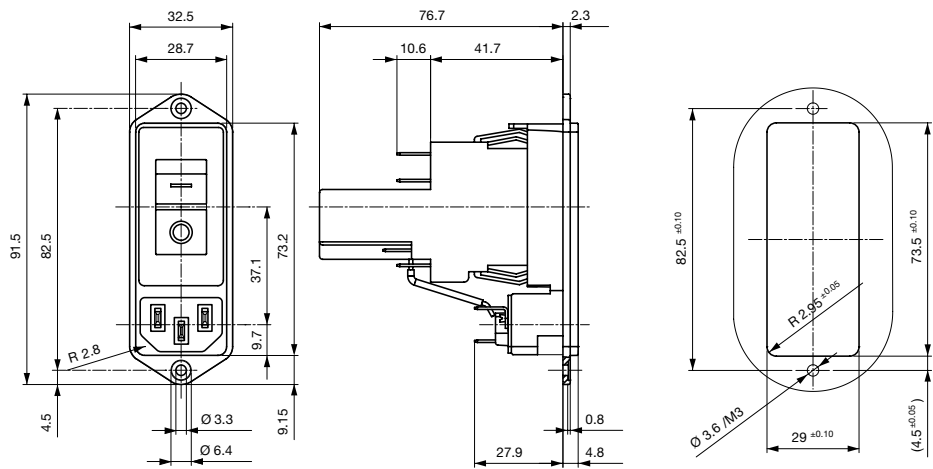
Newly available variants corresponding to V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

### Technical Data

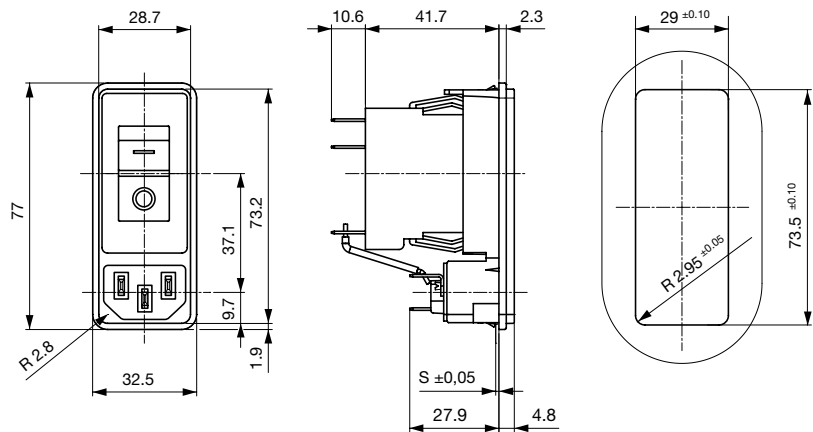
|                           |                                                                                  |
|---------------------------|----------------------------------------------------------------------------------|
| Ratings IEC               | 10 A / 250 VAC; 50 Hz                                                            |
| Ratings UL/CSA            | 1 - 15 A / 250 VAC; 60 Hz                                                        |
| Dielectric Strength       | > 2.5 kVAC between L-N<br>> 3 kVAC between L/N-PE<br>(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: max 8 mm<br>Mounting screw torque max 0.5 Nm<br>Snap-in: 1/1.5/2/2.5/3 mm |
| Material: Housing         | Thermoplastic, black, UL 94V-0                                                   |

|                  |                                                                                                                                                                                                                                                    |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Appliance Inlet  | C14 acc. to IEC 60320, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class I                                                                                                                              |
| 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 |
| Line Switch      | Rocker switch 2-pole, non-illuminated or illuminated, acc. to IEC 61058-1<br><a href="#">Technical Details</a>                                                                                                                                     |

Dimensions  
Screw-on Version

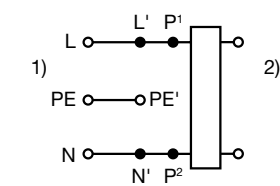


Snap-in Version



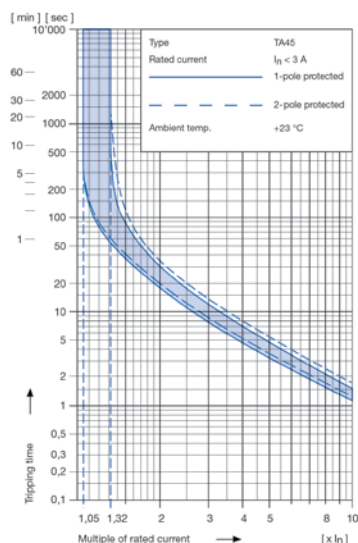
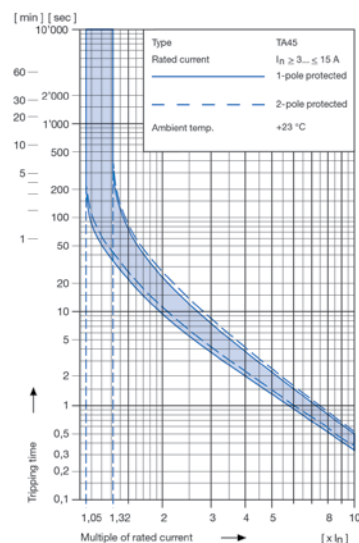
Diagrams

Diagram



- 1) Line
- 2) Load

### Circuit breaker

 $I_n < 3 \text{ A}$ 
$$I_n \geq 3 \dots \leq 15 \text{ A}$$


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.

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

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

|                                                        |                                           |
|--------------------------------------------------------|-------------------------------------------|
| Rated current at +23 °C                                | 6,0 A                                     |
| Ambient temperature                                    | +40 °C                                    |
| Correction factor                                      | 1,08                                      |
| Chosen rated current at<br>+ 40 °C ambient temperature | $6 \text{ A} \times 1,08 = 6,5 \text{ A}$ |

[illegible]

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 DF11.xxxxxxx

Table 1 Selection for type TA45  
Order example



- 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<br>110...120 V | A02<br>A14  | A32<br>A34  |

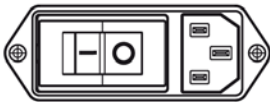
Colours

| 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  | — ○          |                 | M printed | — ○          | black           |
| H printed / bedruckt | ON OFF       | white / weiss   | P printed | I ○          | white           |
| K printed / bedruckt | ON OFF       | black / schwarz | R printed | I ○          | black           |
| L printed / bedruckt | — ○          | white / weiss   |           |              |                 |

Position of the rocker legend  
e.g F



Rated current:

- Without thermal overload protection: code C00 }  $I_n = 20\text{ A}$
- 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 |
| • | • | • |
| • | • | • |
| • | • | • |

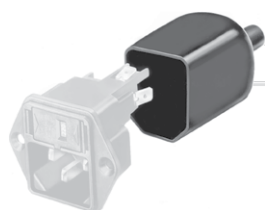
Remote trip release

|   |          |             |                     |
|---|----------|-------------|---------------------|
|   | <b>A</b> | <b>Code</b> | Rated voltage $U_n$ |
| • | <b>2</b> | 240 V AC    |                     |
| • | <b>3</b> | 230 V AC    |                     |
| • | <b>4</b> | 120 V AC    |                     |

Packaging unit 20 Pcs

## Accessories

### Description



Assorted Covers  
Rear Cover

## 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 DF11](#)

#### 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 DF11](#)

...

## Mating Outlets/Connectors shuttered

#### Power Cord Overview complete



|                                                         |           |
|---------------------------------------------------------|-----------|
| VAC17KS, North America, 2.0 m, Connector C17, cord end: | 6051.2801 |
| VAC17KS, Europlug, 2.0 m, Connector IEC C17, cord end:  | 6051.2803 |
| VAC17KS, Europlug, 2.0 m, Connector IEC C17, cord end:  | 6051.2813 |
| VAC13KS, Overview, diverse Connector IEC C13, cord end: | VAC13KS   |

[Power Cord further types to DF11](#)