

# IEC Appliance Inlet C14 with Circuit Breaker TA35 2-pole



## Description

- Panel Mount:  
Snap-in version from front side
- 2 Functions:  
Appliance Inlet, Protection class I, Circuit breaker type TA35, 2-pole
- Quick connect terminal 6.3 x 0.8 mm

## Approvals

- VDE Certificate Number: 40023066
- UL File Number: E96454
- CCC File Number: 2015180204000152

## Characteristics

- Unwired
- Switch non-illuminated or illuminated
- Suitable for use in equipment according to IEC/UL 60950

## Other versions on request

- Pre-wired version
- Quick connect terminals 4.8 x 0.8 mm
- Protection class II, 70°C

## References

Alternative: version for 16 A (20 A)  
Substitute for type 7764

## 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](#)

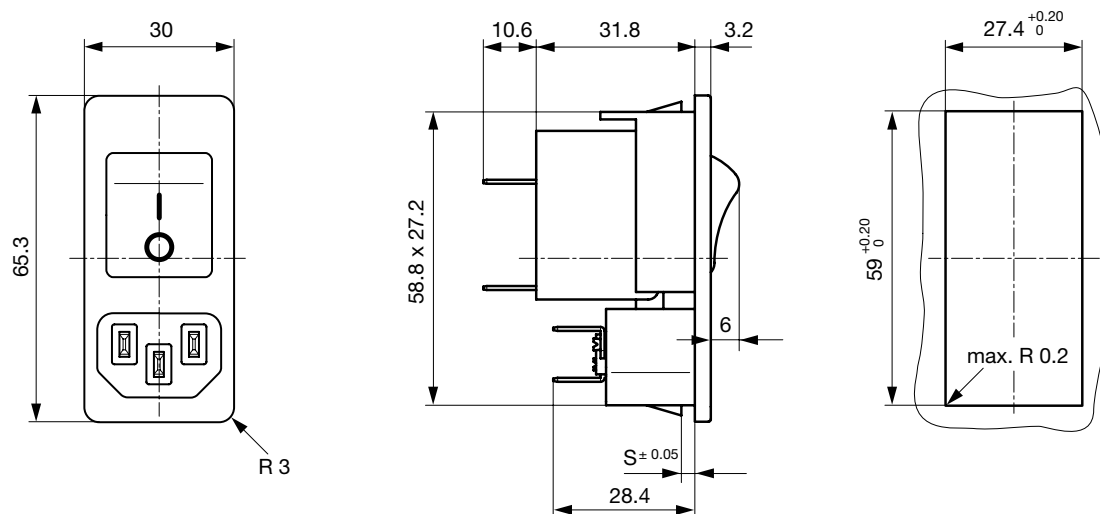
Newly available variants corresponding to V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

## Technical Data

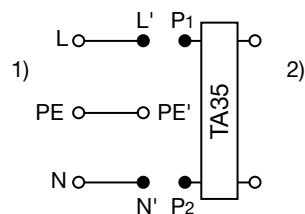
|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Ratings IEC               | 10A / 250VAC; 50Hz                                                |
| Ratings UL/CSA            | 15A / 250VAC; 60Hz                                                |
| Dielectric Strength       | > 2.5kVAC between L-N<br>> 3kVAC between L/N-PE<br>(1 min/50 Hz)  |
| Allowable Operation Temp. | -25 °C to 60 °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         | Snap-in 1.5/2/2.5 mm                                              |
| Material: Housing         | Thermoplastic, black, UL 94V-0                                    |

|                  |                                                                                                                                                |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Appliance Inlet  | C14 acc. to IEC 60320<br>UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, 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.<br>Conditional short circuit Inc: 2000 A |

## Dimensions



## Diagrams



- 1) Line  
2) Load

## ORDER CODE

Table 1 Selection for type TA35

Order example

| Number of switched poles  |                            | 2-pole                   |                          |
|---------------------------|----------------------------|--------------------------|--------------------------|
| Number of protected poles |                            | 1                        | 2                        |
|                           |                            |                          |                          |
| Switch                    | without illumination       | <b>CBT</b>               | <b>CBD</b>               |
| Switch                    | illuminated 240 V<br>120 V | <b>C12</b><br><b>C14</b> | <b>C32</b><br><b>C34</b> |

Other versions on request

|       |     |   |   |     |                   |
|-------|-----|---|---|-----|-------------------|
| TA35- | CBD | W | F | 120 | C0                |
|       |     |   |   |     | No other features |

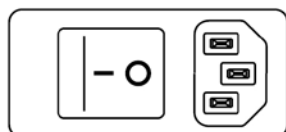
| Colours  |              |                        |                    |
|----------|--------------|------------------------|--------------------|
|          | Switch front | Rocker non-illuminated | illuminated        |
| <b>W</b> | black        | white                  | —                  |
| <b>B</b> | black        | black                  | —                  |
| <b>3</b> | black        | —                      | red transparent    |
| <b>4</b> | black        | —                      | green transparent  |
| <b>6</b> | black        | —                      | orange transparent |

Other colours on request

| Rocker legend |          |              |                 |
|---------------|----------|--------------|-----------------|
|               | Surface  | Illustration | Colour of print |
| <b>F</b>      | embossed | — 0          |                 |
| <b>H</b>      | printed  | ON OFF       | white           |
| <b>K</b>      | printed  | ON OFF       | black           |
| <b>L</b>      | printed  | — 0          | white           |
| <b>M</b>      | printed  | — 0          | black           |

Other legends on request

Position of the rocker legend e.g. F



| Rated current $I_n$ (A) |            |       |             |
|-------------------------|------------|-------|-------------|
| $I_n$                   | Code       | $I_n$ | Code        |
| 1,0                     | <b>J10</b> | 8,0   | <b>080</b>  |
| 2,0                     | <b>J20</b> | 10,0  | <b>100</b>  |
| 4,0                     | <b>040</b> | 12,0  | <b>120*</b> |
| 5,0                     | <b>050</b> | 15,0  | <b>150*</b> |
| 6,0                     | <b>060</b> |       |             |

Other rated currents on request

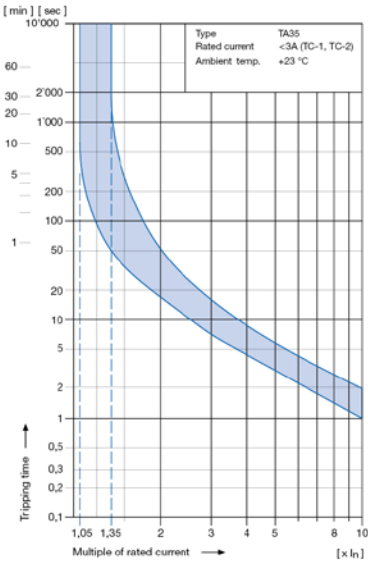
\*) UL / CSA only

Technical data (continued)

Circuit breaker

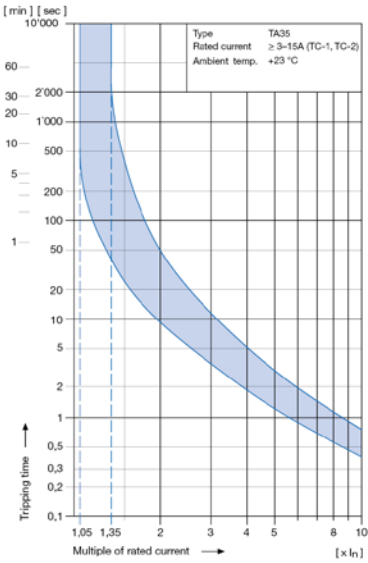
Tripping characteristics

$I_n < 3\text{ A}$



Tripping characteristics

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



The above tripping characteristics apply to symmetrical overloads on the two poles.  
At asymmetric overloads on two pole types the tripping current will be increased by factor **1.05** (TC-2).

Effect of ambient temperature

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

| * Ambient temperature [°C] | Correction factor |
|----------------------------|-------------------|
| -25                        | 0.79              |
| -20                        | 0.81              |
| 0                          | 0.90              |
| +23                        | 1.00              |
| +40                        | 1.03              |
| +50                        | 1.04              |
| +60                        | 1.06              |

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

**Example:**  
Rated current at +23 °C                    10 A  
Ambient temperature                    +60 °C  
Correction factor                    1.06  
Chosen rated current at +60 °C ambient temperature:                    **10 A x 1.06 = 10.6 A**

Order code (Order example)

| Type | Order code TA35     |
|------|---------------------|
| 6135 | C B D W F 1 2 0 C 0 |
|      | see table 1         |

. 0 2 1 0 . 21

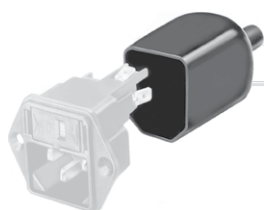
- Specials**  
21 V-Lock-Notch
- Wiring**  
1 wired  
0 unwired
- Terminals**  
1 Quick connect 6.3 x 0.8 mm
- Mounting**  
2 Snap-in s = 1.5 mm  
3 Snap-in s = 2.0 mm  
4 Snap-in s = 2.5 mm
- 0 Protection class 1

Please note that Schurter will establish an internal part number for logistics use in addition to the order code. The format of this internal part number is, for example: 6135.xxxx.xxxx

Packaging unit 40 Pcs

## Accessories

### Description



Assorted Covers  
Rear Cover



Cord retaining kits  
Cord retaining strain relief

## 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 |

[Appliance Outlet further types to 6135](#)



#### 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 6135](#)

## 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 6135](#)