

## 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

### Characteristics

- Unwired
- Switch non-illuminated or illuminated
- Thermal overload protection
- 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) 6136

Substitute for type 7764

### Weblinks

[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Detailed request for product](#)

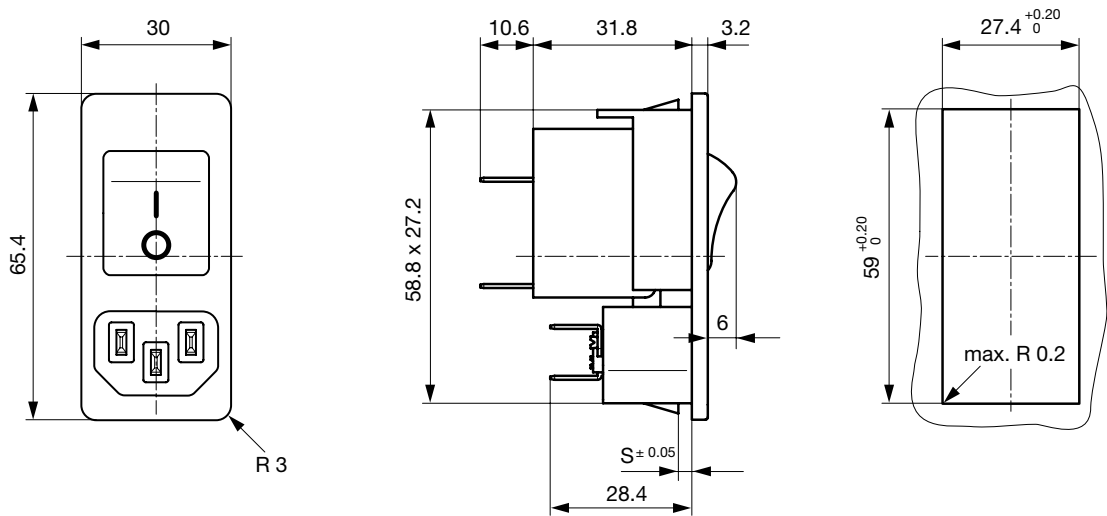
Newly available variants corresponding to V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

### Technical Data

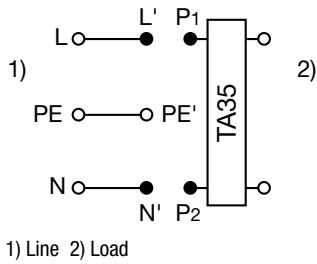
|                           |                                                                    |
|---------------------------|--------------------------------------------------------------------|
| Ratings IEC               | 10 A / 250 VAC; 50 Hz                                              |
| Ratings UL/CSA            | 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. | -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, 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.<br>Conditional short circuit Inc: 2000 A |

Dimensions



Diagrams



## ORDER CODE

|                           |                            | 2-pole                   |                          |
|---------------------------|----------------------------|--------------------------|--------------------------|
| Number of switched poles  |                            | 1                        | 2                        |
| Number of protected poles |                            |                          |                          |
|                           |                            |                          |                          |
| 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

Table 1 Selection for type TA35

Order example

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

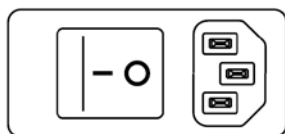
| Colours  |              |                 |                    |
|----------|--------------|-----------------|--------------------|
|          | Switch front | Rocker          |                    |
|          |              | non-illuminated | illuminated        |
| <b>W</b> | black        | white           | —                  |
| <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

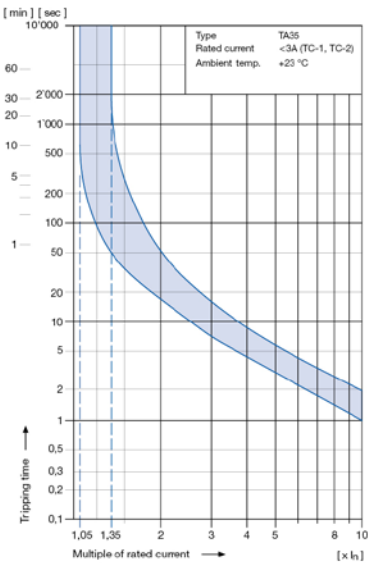
\*) UL / CSA only

Technical data (continued)

Circuit breaker

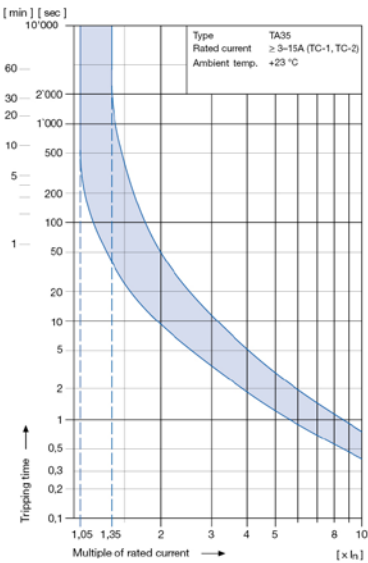
Tripping characteristics

$I_n < 3\text{ A}$



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<br>see table 1 |

|           |
|-----------|
| . 0 2 1 0 |
|-----------|

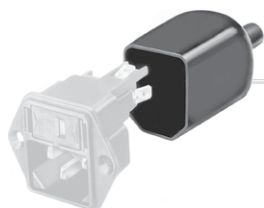
- Wiring**  
1 wired  
0 unwired
- Terminals**  
1 Quick connect 6.3 x 0.8 mm
- Mounting**  
2 Snap-in s = 1.5 mm  
3 Snap-in s = 2.0 mm  
4 Snap-in s = 2.5 mm
- 0** Protection class 1

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

|                                          |        |
|------------------------------------------|--------|
| IEC Connector C15A, Rewireable, Straight | 0102   |
| IEC Connector C15A, Rewireable, Straight | 0102-G |
| IEC Connector C15A, Rewireable, Angled   | 0112   |
| IEC Connector C13, Rewireable, Angled    | 4012   |
| IEC Connector C13, Rewireable, Straight  | 4022   |

[Connector further types to 6135](#)

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