

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



Rocker white  
non-illuminated



Rocker green  
illuminated



Rocker orange  
illuminated



C14

70° C

See below:

[Approvals and Compliances](#)

### 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

### Characteristics

- Unwired
- Switch non-illuminated or illuminated
- Suitable for use in equipment according to IEC/UL 62368-1

### 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)

Component: circuit breakers [TA35 Rocker 2Pole](#); [TA36 Wippe](#)

Substitute for type [7764](#)

We recommend for new applications the type [DG11](#)

### Weblinks

[pdf data sheet](#), [html datasheet](#), [General Product Information](#), [Approvals](#), [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                                              |
| 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 Temperature   | -25 °C to 60 °C                                                    |
| IP-Protection                     | from front side IP40 acc. to IEC 60529                             |
| Protection against electric shock | 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/-outlet | C14 acc. to IEC 60320-1<br>UL 60320-1, CSA C22.2 no. 60320-1<br>(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 |

### Approvals and Compliances

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

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

## Approvals

The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.  
Approval Reference Type: 6135

| Approval Logo                                                                    | Certificates                  | Certification Body | Description                              |
|----------------------------------------------------------------------------------|-------------------------------|--------------------|------------------------------------------|
|  | <a href="#">VDE Approvals</a> | VDE                | Certificate Number: 40023066             |
|  | <a href="#">UL Approvals</a>  | UL                 | UL File Number: E96454                   |
|  | <a href="#">CCC Approvals</a> | CCC                | CCC Certificate Number: 2020180204013718 |

## Product standards

Product standards that are referenced

| Organization                                                                     | Design                | Standard              | Description                                                           |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------------------------------------------------------|
|  | Designed according to | IEC 60320-1           | Appliance couplers for household and similar general purposes         |
|  | Designed according to | UL 60320-1            | Standard for Attachment Plugs and Receptacles                         |
|  | Designed according to | CSA C22.2 no. 60320-1 | General Use Receptacles, Attachment Plugs, and Similar Wiring Devices |

## Application standards

Application standards where the product can be used

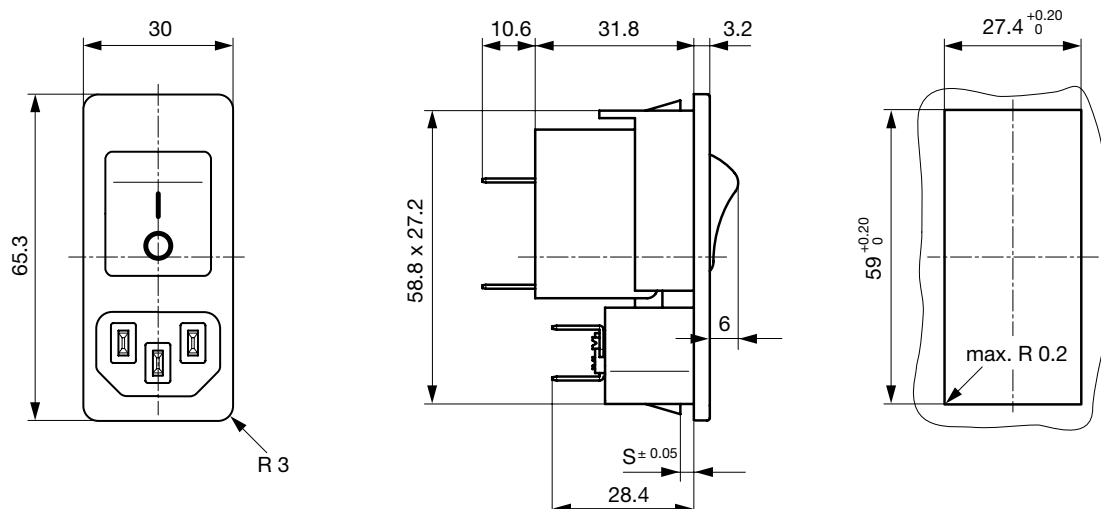
| Organization                                                                     | Design                         | Standard       | Description                                                                                                          |
|----------------------------------------------------------------------------------|--------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------|
|  | Designed for applications acc. | IEC/UL 62368-1 | IEC 62368-1 includes the basic requirements for safety of audio, video, information technology and office equipment. |

## Compliances

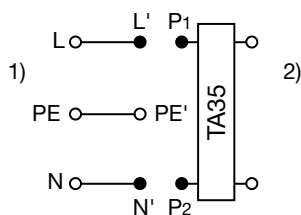
The product complies with following Guide Lines

| Identification                                                                     | Details                                      | Initiator   | Description                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------|----------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">CE declaration of conformity</a> | SCHURTER AG | The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.                        |
|  | <a href="#">RoHS</a>                         | SCHURTER AG | Directive RoHS 2011/65/EU, Amendment (EU) 2015/863                                                                                                                                                                           |
|  | <a href="#">China RoHS</a>                   | SCHURTER AG | The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.                                                                                                         |
|  | <a href="#">REACH</a>                        | SCHURTER AG | On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.                                                      |
|  |                                              | SCHURTER AG | V-Lock system are based on a matching plug-dose combination. 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. |

## Dimensions [mm]



## Diagrams



## Effect of ambient temperature

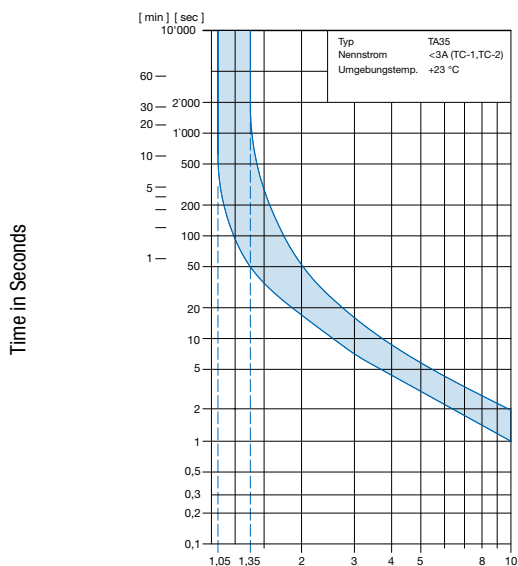
The units are calibrated for an ambient temperature of +23°C. To determine the rated current for a lower or higher ambient temperature, use a correction factor (typical value) from the table below:

| 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              |

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

## Time-Current-Curves

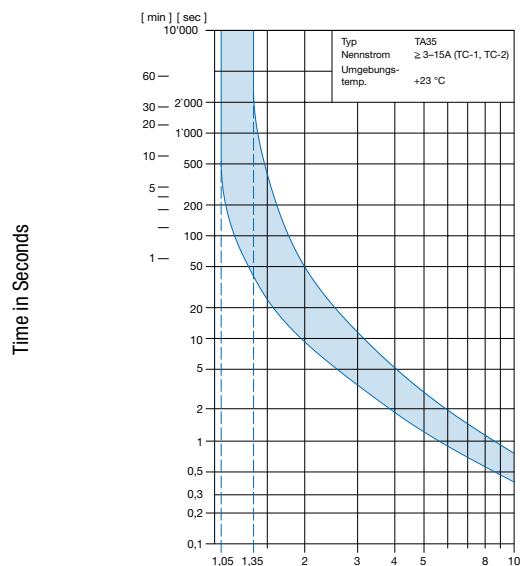
### Tripping Characteristics $I_n < 3 \text{ A}$



Multiple of Rated Current  $I_n$

Reference Temperature +23°

### Tripping Characteristics $I_n \geq 3 \dots \leq 15 \text{ A}$



Multiple of Rated Current  $I_n$

Reference Temperature +23°

Configuration code TA35

| Typ  | Konfigurationscode TA35 |   |   |   |   |   |   |   |   |   |   |                    |
|------|-------------------------|---|---|---|---|---|---|---|---|---|---|--------------------|
| 6135 | C                       | B | D | W | F | 1 | 2 | 0 | C | 0 | - | 000-C6135-1112-100 |

No other features

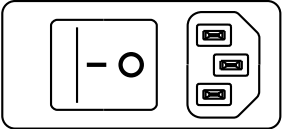
Rated current  $I_n$  (A)

| $I_n$ | Code | $I_n$ | Code |
|-------|------|-------|------|
| 1,0   | J10  | 8,0   | 080  |
| 2,0   | J20  | 10,0  | 100  |
| 4,0   | 040  | 12,0  | 120* |
| 5,0   | 050  | 15,0  | 150* |
| 6,0   | 060  |       |      |

Other rated currents on request

\*) UL / CSA only

Rocker legend

| Surface    | Illustration                                                                       | Colour of print | Position of the rocker legend e.g. F                                                |
|------------|------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------|
| F embossed |   |                 |                                                                                     |
| H printed  |   | white           |  |
| K printed  |   | black           |                                                                                     |
| L printed  |   | white           |                                                                                     |
| M printed  |  | black           |                                                                                     |

Other legends on request

Colours

|   | Switch front | Rocker non-illuminated | illuminated        |
|---|--------------|------------------------|--------------------|
| W | black        | white                  | —                  |
| B | black        | black                  | —                  |
| 3 | black        | —                      | red transparent    |
| 4 | black        | —                      | green transparent  |
| 6 | black        | —                      | orange transparent |

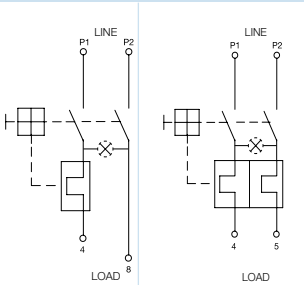
Other colours on request

Number of switched poles  
Number of protected poles

2-pole

1

2



Switch without illumination

CBT

CBD

Switch illuminated 240 V  
120 V

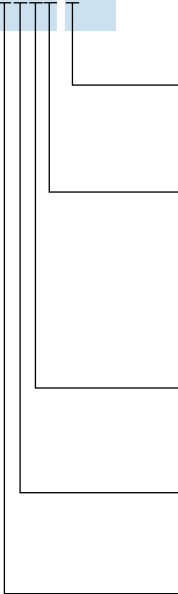
C12  
C14

C32  
C34

Other versions on request

Configuration code (Order example)

| Typ  | Konfigurationscode TA35                    |  |  |
|------|--------------------------------------------|--|--|
| 6135 | - C B D W F 1 2 0 C 0 - 000-C6135-1112-100 |  |  |



**Locking system**

- 0 Without
- 1 V-Lock

**Mounting**

- 1 Snap-in s = 1.0 mm 1)
- 2 Snap-in s = 1.5 mm
- 3 Snap-in s = 2.0 mm
- 4 Snap-in s = 2.5 mm
- 5 Snap-in s = 3.0 mm

**Terminal PE**

- 0 Without (PCII) 2)
- 1 Quick connect 6.3 x 0.8 mm

**Terminal N**

- 1 Quick connect 6.3 x 0.8 mm
- 4 Connection

**Terminal L**

- 1 Quick connect 6.3 x 0.8 mm
- 4 Connection

1) Only on request  
2) Only on request- no approvals available

0 Protection class 1

|                |        |
|----------------|--------|
| Packaging unit | 40 Pcs |
|----------------|--------|

Accessories

| Description                                                                       |                                                                                                             |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
|   | <a href="#">Assorted Covers</a><br>Rear Cover<br><div>0859.0074</div>                                       |
|   | <a href="#">RC320</a><br>Rear Cover for Power Entry Module                                                  |
|  | <a href="#">Cord retaining kits</a><br>Cord retaining strain relief<br>Flat head, A<br><div>4700.0001</div> |

Mating Outlets/Connectors

| Category / Description                                                              |                                                                                                                                                             |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <a href="#">Appliance Outlet Overview complete</a>                                                                                                          |
|                                                                                     | 4787, Mounting: Screw-on mounting, Appliance Outlet: IEC Solder terminals, 10 A, Suitable for appliances with protection class I <div>4787</div>            |
|                                                                                     | 4788, Mounting: Snap-in version, Appliance Outlet: IEC Solder/Quick Connect Terminal, 10 A, Suitable for appliances with protection class I <div>4788</div> |
|  | <a href="#">Connector Overview complete</a>                                                                                                                 |
|                                                                                     | 4782 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13 <div>4782</div>                                                                |
|                                                                                     | 4785 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13 <div>4785</div>                                                                |
|                                                                                     | 4300-06 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13 <div>4300-06</div>                                                          |
|                                                                                     | 4781 Mounting: Power Cord, Cable, Connector: IEC C15 <div>4781</div>                                                                                        |
|                                                                                     | 4784 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C15 <div>4784</div>                                                                |
| ...                                                                                 |                                                                                                                                                             |

## Mating Outlets/Connectors shuttered



[Connector Overview complete](#)

4783 Mounting: Power Cord, 3 x 1 mm<sup>2</sup> / 3 x 18 AWG, Cable, Connector: IEC C13

[4783](#)



[Power Cord Overview complete](#)

VAC13KS, Overview, V-Lock cord retaining, diverse Connector IEC C13, diverse, black

[VAC13KS](#)