## IEC Appliance Inlet C14 or C18 with Circuit Breaker TA35 2-pole

new

Screw-on with IP67 and TA35 in white with black printed symbols

Screw-on with IP67

Snap-in IP40 with TA35 red illuminated and embossed symbols

C14     C18

70° C    70° C

See below:
**Approvals and Compliances**

### Description
- Panel mount :
  Screw-on version from front or rear side, snap-in version from front side
- 2 Functions :
  Appliance Inlet , protection class I or II , Circuit breaker type TA35 , 2-pole
- Pre-wired coupling
- V-Lock notch standard
- Quick connect terminal 6.3 x 0.8 mm

### Unique Selling Proposition
- Variant tested for IP67 into the appliance
- Various mounting options
- Recessed rocker prevents accidental manipulation
- Compatible with V-Lock cord retention

### Characteristics
- Connector and circuit breaker are prewired
- Circuit Breaker non-illuminated or illuminated
- Suitable for use in equipment according to IEC/UL 60950

### Other versions on request
- Version without pre-wiring from inlet to circuit breaker
- Protection class II, 70°C
- Variants in white

### References
Substitute for type   6135
Component: circuit breakers   TA35 Rocker 2Pole

### Weblinks
pdf datasheet, html-datasheet, General Product Information, Distributor-Stock-Check, Accessories, Detailed request for product, Microsite

### 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 or IP67 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 8 mm<br>Recommended torque min 0.25 Nm<br>Snap-in : S =1/1.2/1.5/2/2.5/3 mm |
| Material: Housing | Thermoplastic, black, UL 94V-0 |

| | |
|---|---|
| appliance inlet/-outlet | C14 / C18 acc. to IEC 60320-1<br>UL 60320-1, CSA C22.2 no. 60320-1<br>(for cold conditions) pin-temperature 70 °C, 10A, Protection Class I or II |
| 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:<br>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

## Approvals

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

Approval Reference Type: DG11

| Approval Logo | Certificates | Certification Body | Description |
|---|---|---|---|
| | VDE Approvals | VDE | Certificate Number: 40048151 |
| | UL Approvals | UL | UL File Number: E96454 |
| | CQC Approvals | CQC | CCC Certificate Number: pending |

## Product standards

Product standards that are referenced

| Organization | Design | Standard | Description |
|---|---|---|---|
| IEC | Designed according to | IEC 60320-1 | Appliance couplers for household and similar general purposes |
| UL | Designed according to | UL 60320-1 | Standard for Attachment Plugs and Receptacles |
| CSA Group | 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 |
|---|---|---|---|
| IEC | Designed for applications acc. | IEC/UL 60950 | IEC 60950-1 includes the basic requirements for the safety of information technology equipment. |

## Compliances

The product complies with following Guide Lines

| Identification | Details | Initiator | Description |
|---|---|---|---|
| CE | CE declaration of conformity | 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. |
| RoHS COMPLIANT | RoHS | SCHURTER AG | EU Directive RoHS 2011/65/EU |
| 50 | China RoHS | 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. |
| REACH | REACH | 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. |
| V-Lock | MicrositeV-Lock | 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]
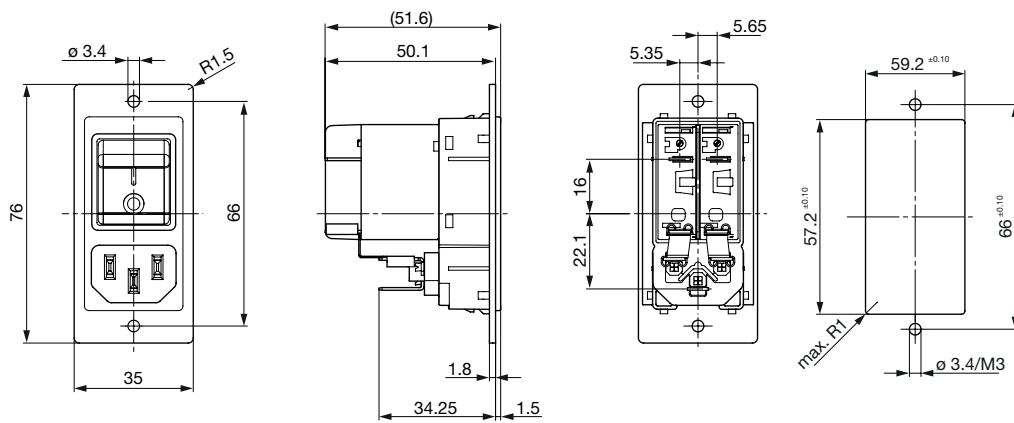
Snap-in mounting for front mount IP40
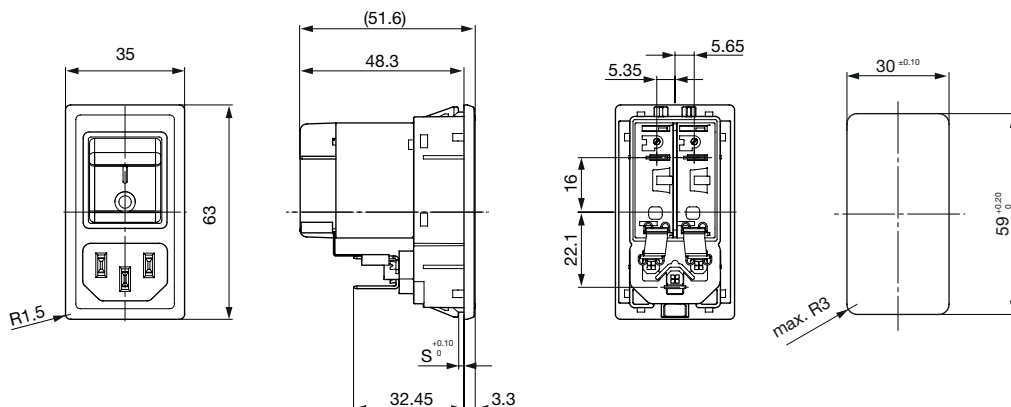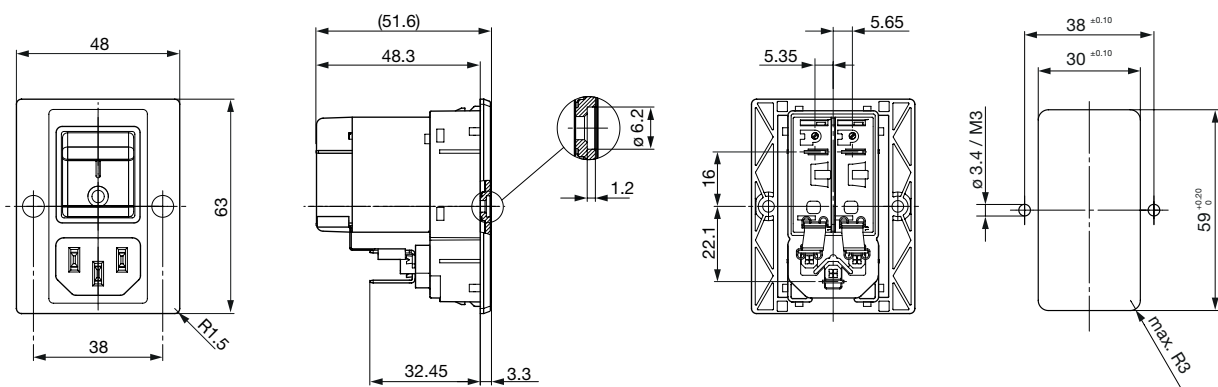


S = Panel thickness

Screw-on mounting version A for front mount IP40
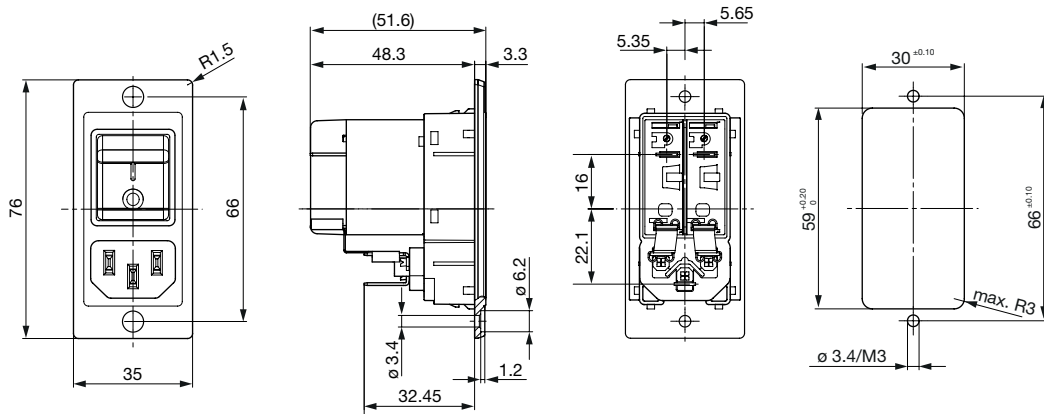

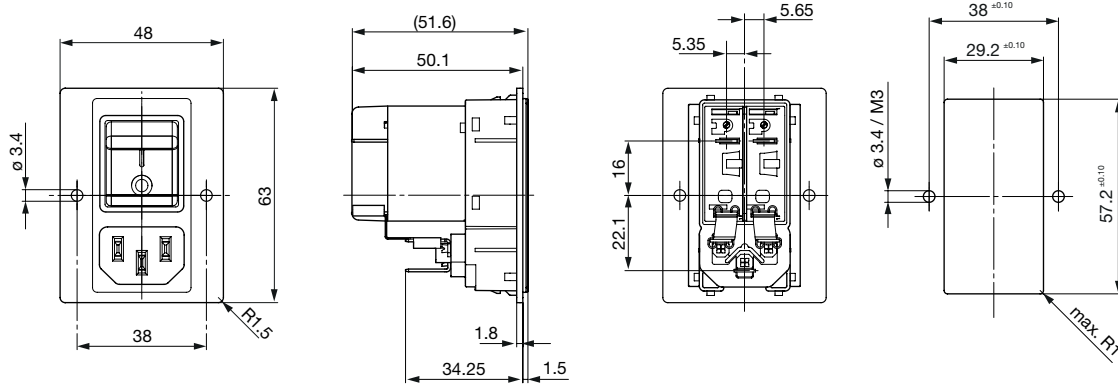
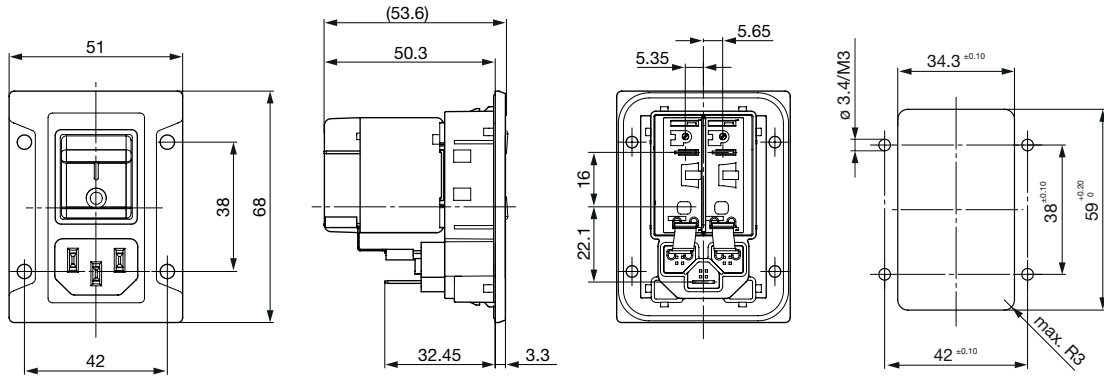Screw-on mounting Version A for rear mount IP40
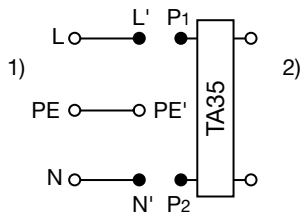


Screw-on mounting Version B for front mount IP40

## Screw-on mounting version B for rear mount IP40

## Screw-on mounting for front mount IP67
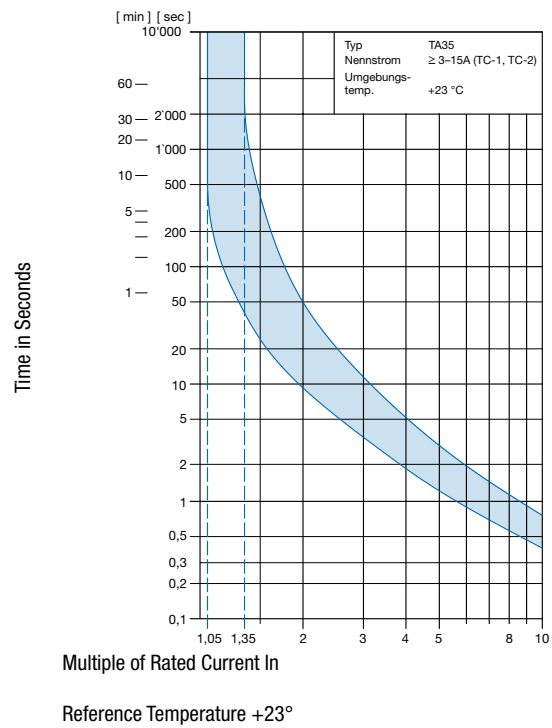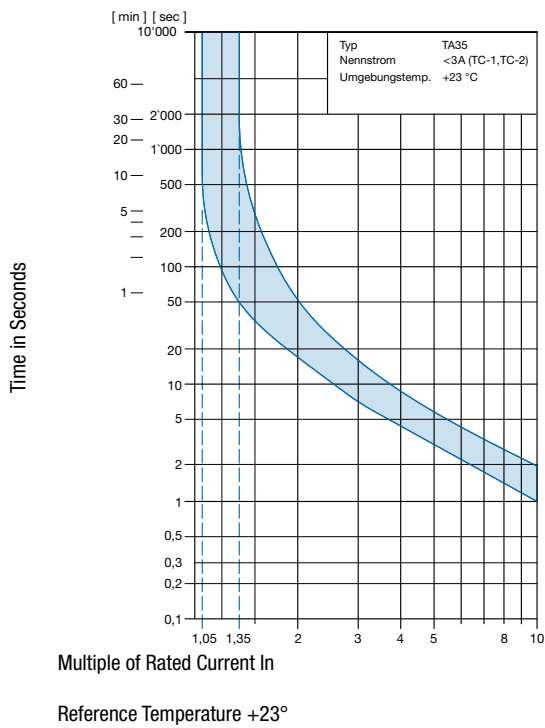
## Diagrams

1) Line
2) Load

## 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 |
|---|---|
| -30 | 0.76 |
| -20 | 0.81 |
| 0 | 0.90 |
| +23 | 1.00 |
| +40 | 1.03 |
| +50 | 1.04 |
| +60 | 1.06 |

Example: Rated current = 5 A, Environmental temperature = 50 °C --> Correction factor = 1.04, Resulting current = 5.2 A --> Fount to next higher rated current: 6 A

## Time-Current-Curves



| Typ | TA35 |
|---|---|
| Nennstrom | <3A (TC-1,TC-2) |
| Umgebungstemp. | +23 °C |

Time in Seconds

Multiple of Rated Current In

Reference Temperature +23°



| Typ | TA35 |
|---|---|
| Nennstrom | ≥ 3–15A (TC-1, TC-2) |
| Umgebungs-temp. | +23 °C |

Time in Seconds

Multiple of Rated Current In

Reference Temperature +23°

## ORDER CODE

| Number of switched poles | **2-pole** | |
| Number of protected poles | **1** | **2** |
|---|---|---|
| |  |  |
| Switch without illumination | **CBT** | **CBD** |
| Switch illuminated 240 V | **C12** | **C32** |
| 120 V | **C14** | **C34** |
| | Other versions on request | |

### Table 1 Selection for type TA35

Order example

| TA35- | CBD | W | F | 120 | C0 |
|---|---|---|---|---|---|

No other features
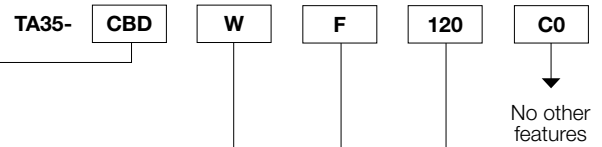
### Colours

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

Other colours on request

### Rocker legend

| | **Surface** | **Illustration** | | **Colour of print** |
|---|---|---|---|---|
| **F** | embossed | – | O | |
| **H** | printed | ON | OFF | white |
| **K** | printed | ON | OFF | black |
| **L** | printed | – | O | white |
| **M** | printed | – | O | black |

Other legends on request

Position of the rocker legend e.g. I / O
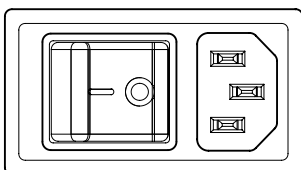
### Rated current $I_n$ (A)

| $I_n$ | 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

## Configuration Code

| Typ | Configuration Code (Example) TA35 | | | |
|---|---|---|---|---|
| DG11 | C B D W F 1 2 0 C 0 | -000- | C6135- | XXX - XXX -00 |
| | see table 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: 3-XXX-XXX

**Color**

| 0 | Black |
|---|---|

**Panel Mounting 1)**

| 00 | Screw version A front mounting |
|---|---|
| 01 | Screw version B front mounting |
| 02 | Screw version A rear mounting |
| 03 | Screw version B rear mounting |
| 10 | Snap-in  1.0 mm |
| 12 | Snap-in  1.2 mm |
| 15 | Snap-in  1.5 mm |
| 20 | Snap-in  2.0 mm |
| 25 | Snap-in  2.5 mm |
| 30 | Snap-in  3.0 mm |
| 88 | Screw version front mounting (sealed towards housing, IP65) |

**Terminal PE**

| 0 | Without (PCII) |
|---|---|
| 1 | QC 6.3x0.8 mm |

**Terminal  N**

| 1 | QC 6.3x0.8 mm (unwired) |
|---|---|
| 3 | Connection to TA35 (wired) |

**Terminal  L**

| 1 | QC 6.3x0.8 mm (unwired) |
|---|---|
| 3 | Connection to TA35 (wired) |

1)

Screw version A    Screw version B
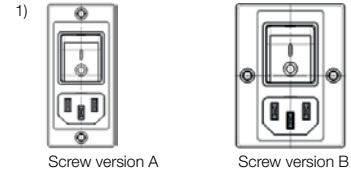
## All Variants

| Config. Code | Order Number | |
|---|---|---|
| DG11-C126F100C0-000-C6135-331-200-00 | 3-107-924 | ▮ |
| DG11-CBDWM100C0-000-C6135-331-880-00 | 3-108-454 | ▮ |
| DG11-CBDBL100C0-000-C6135-331-010-00 | 3-108-463 | ▮ |
| DG11-CBDWM100C0-000-C6135-331-150-00 | 3-109-713 | ▮ |
| DG11-CBDWM100C0-000-C6135-331-010-00 | 3-109-714 | ▮ |
| DG11-CBDWM100C0-000-C6135-331-020-00 | 3-109-715 | ▮ |
| DG11-CBDWM150C0-000-C6135-331-150-00 | 3-109-716 | ▮ |
| DG11-CBDWM150C0-000-C6135-331-010-00 | 3-109-717 | ▮ |
| DG11-CBDWM150C0-000-C6135-331-020-00 | 3-109-718 | ▮ |
| DG11-CBDWM150C0-000-C6135-331-880-00 | 3-109-719 | ▮ |

▮ Most Popular.

Availability for all products can be searched real-time: https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER

| Packaging unit | 10 Pcs |
|---|---|