V7/23   IEC Appliance Inlet C14 or C18 with Circuit Breaker TA35 2-pole

Screw-on with IP67 and IP54 cord connection

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

Screw-on with IP67

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 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
- With sealing: IP54 under load, IP67 towards housing
- 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 62368-1

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   TA36 Rocker;   TA35 Rocker 2Pole
Alternative: version with line filter   DG12

Weblinks
pdf data sheet, html datasheet, General Product Information, Approvals, Distributor-Stock-Check, Accessories, Detailed request for product

Inlet Connector C14 / C18 also available without seal. The V-Lock cord latching system prevents against accidental removal of the power supply and allows IP54 under load.

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 > 3 kVAC between L/N-PE (1 min/50 Hz)
Allowable Operation Temperature	-25 °C to 60 °C
IP-Protection	front side IP40 / IP67 acc. to IEC 60529
Protection against electric shock	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 Recommended torque min 0.25 Nm 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 UL 60320-1, CSA C22.2 no. 60320-1 (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 2-pole rocker switch, illuminated or non-illuminated. 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: DG11

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	Certificate Number: 40048151
	UL Approvals	UL	UR File Number: E96454
	CCC Approvals	CCC	CCC Certificate Number: 2019180204007932, 2019180204007907

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	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements

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.
UKCA	UKCA declaration of conformity	SCHURTER AG	The UKCA marking declares that the product complies with the applicable requirements laid down in the British Amendment of Regulation (EC) 765/2008.
RoHS	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
China RoHS	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		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.

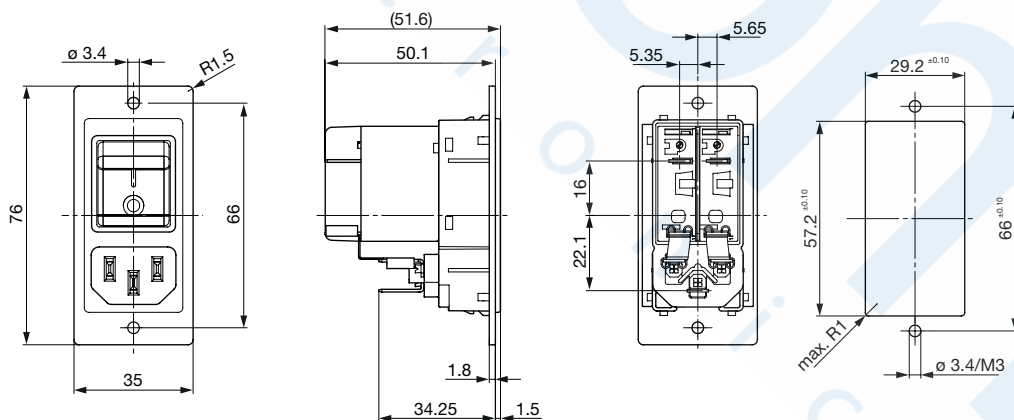## Dimensions [mm]

Snap-in mounting for front mount IP40
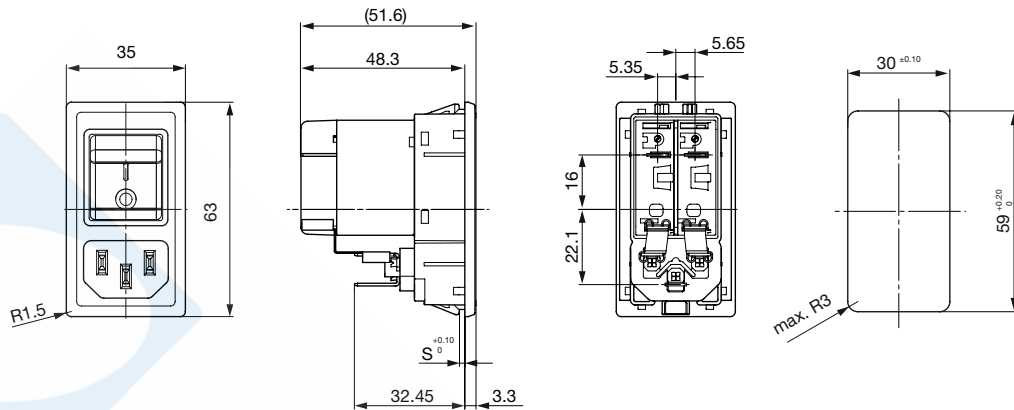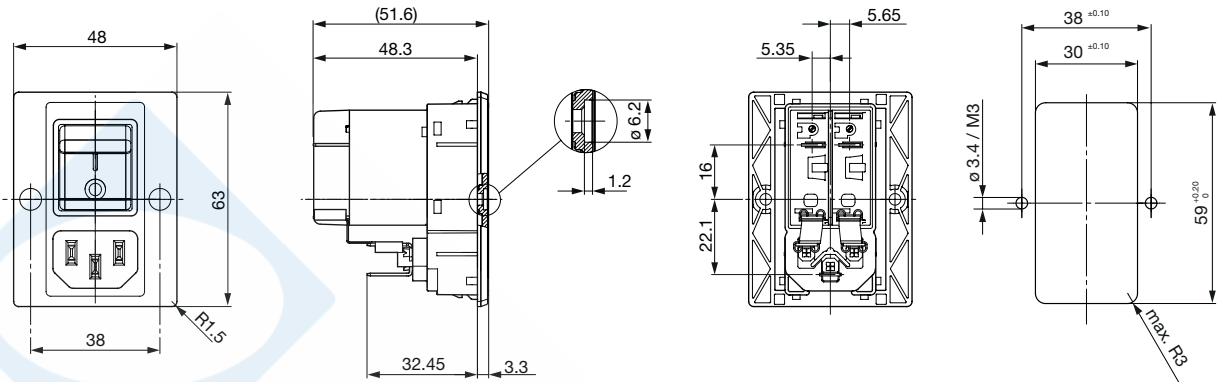
S = Panel thickness

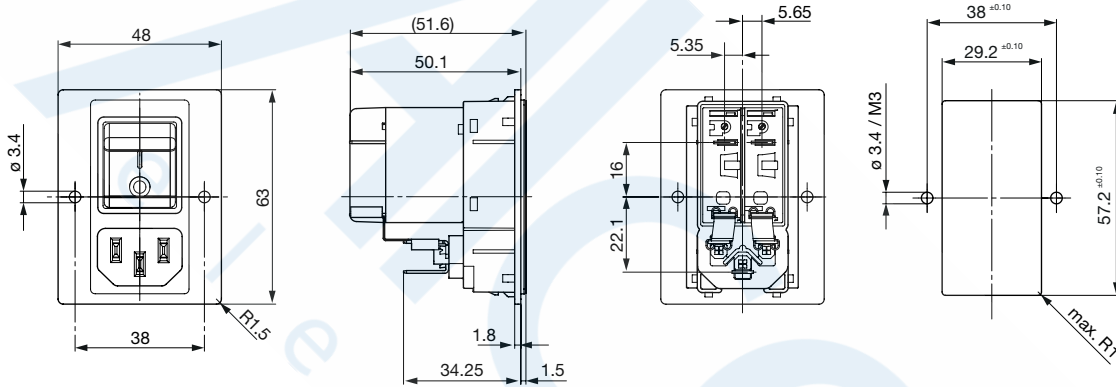Screw-on mounting version A for front mount IP40
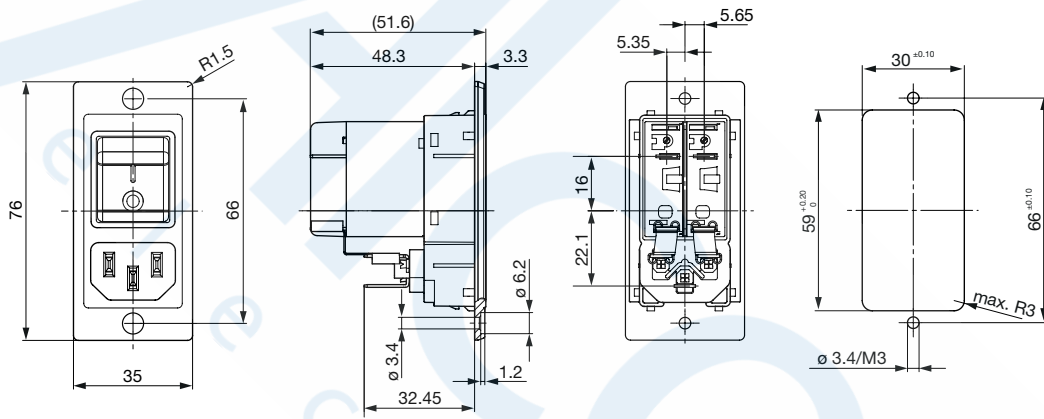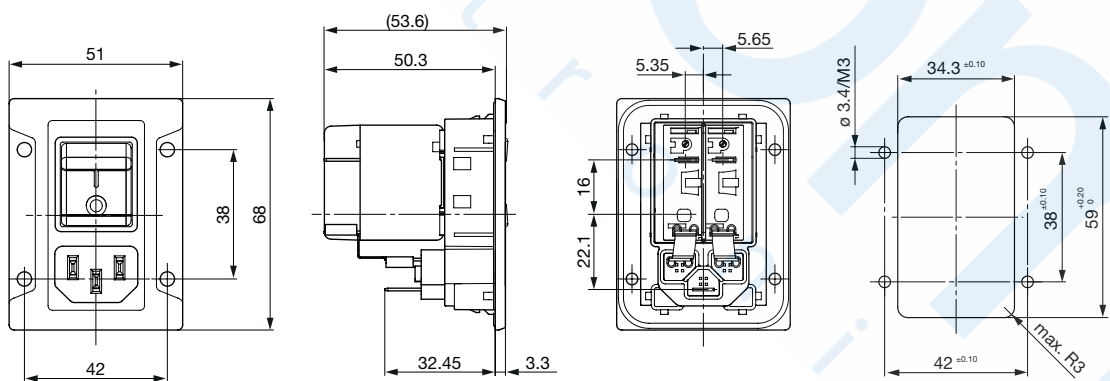
Screw-on mounting Version A for rear mount IP40

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

```
        L'  P₁
  L o----●  ●----o
1)              2)
                     TA35
  PE o---●  o PE'
  N o----●  ●----o
        N'  P₂
```
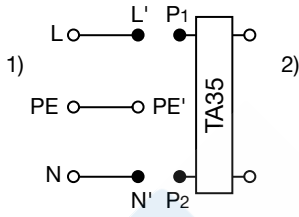
1) Line
2) Load

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 --> Round to next higher rated current: 6 A

Time-Current-Curves

Tripping Characteristics I_n < 3 A
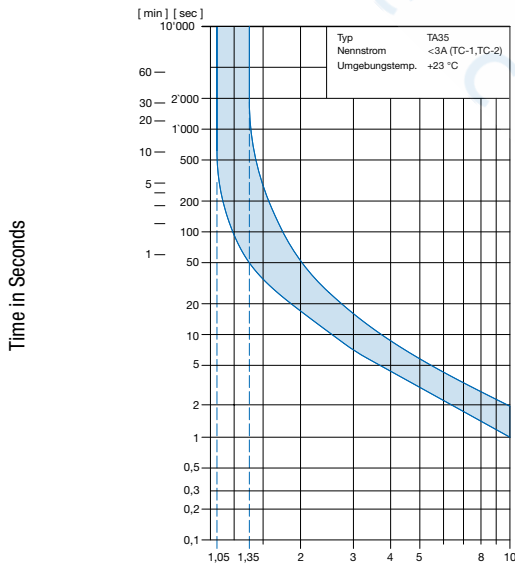
Multiple of Rated Current In

Ambient temperature +23°

Tripping Characteristics In ≥ 3 ... ≤ 15 A

Multiple of Rated Current In

Ambient temperature +23°

Order number key

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		

Color
0   Black

Panel Mounting   1)
00   Screw version A front mounting
01   Screw version B front mounting
02   Screw version A rear mounting
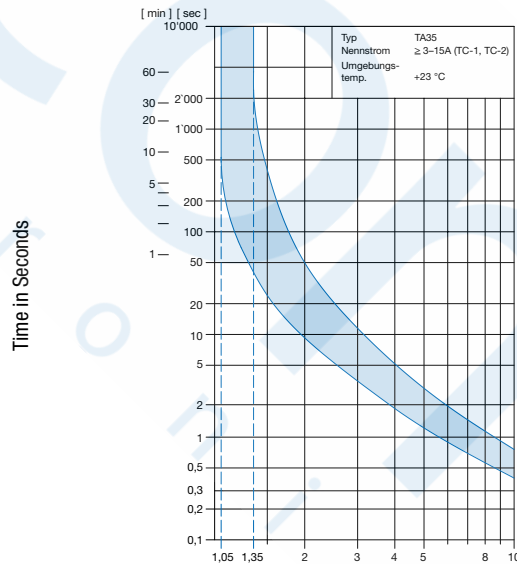03   Screw version B rear mounting
10   Snap-in 1.0 mm
12   Snap-in 1.2 mm
15   Snap-in 1.5 mm
20   Snap-in 2.0 mm
25   Snap-in 2.5 mm
30   Snap-in 3.0 mm
88   Screw version front mounting
         (sealed towards housing, IP67)

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

ORDER CODE

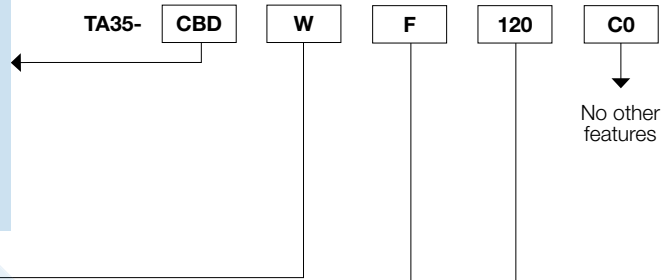| Number of switched poles | **2-pole** | |
Number of protected poles	**1**	**2**
Switch without illumination	**CBT**	**CBD**
Switch illuminated 240 V / 120 V	**C12** / **C14**	**C32** / **C34**
		Other versions on request

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

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
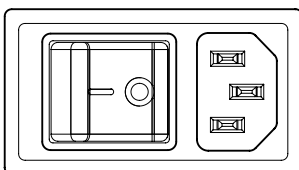
Rated current I_n (A)

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

Table 1 Selection for type TA35

Order example

TA35-	**CBD**	**W**	**F**	**120**	**C0**

No other features

Variants

Circuit Breaker			Connector					
Rated Current [A]	Rocker colour	Illumination	Protection Class	Color	Mounting	IP-Protection	Order Number	
10	orange transparent	illuminated	I	black	Snap-in mounting	IP40	3-107-924	▮
10	white	non-illuminated	I	black	Screw-on version	IP67	3-108-454	▮
10	black	non-illuminated	I	black	Screw version B	IP40	3-108-463	▮
10	white	non-illuminated	I	black	Snap-in mounting	IP40	3-109-713	▮
10	white	non-illuminated	I	black	Screw version B	IP40	3-109-714	▮
10	white	non-illuminated	I	black	Screw version A	IP40	3-109-715	▮
15	white	non-illuminated	I	black	Snap-in mounting	IP40	3-109-716	▮
15	white	non-illuminated	I	black	Screw version B	IP40	3-109-717	▮
15	white	non-illuminated	I	black	Screw version A	IP40	3-109-718	▮
15	white	non-illuminated	I	black	Screw-on version	IP67	3-109-719	▮

▮ Most Popular.

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

More information in the HTML data sheet on the variant table

Packaging unit   10 Pcs

Accessories

Description

RC320
Rear Cover for Power Entry Module

Mating Outlets/Connectors shuttered

Category / Description

Connector Overview complete

4783 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13   4783

Power Cord Overview complete

SC54C13KS, Overview, V-Lock cord retaining, diverse Connector IEC C13, diverse, black   SC54C13KS

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.

06.07.2023