

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
- Alternative: version for 16 A (20 A) [6136](#)
- Substitute for type [7764](#)

Approvals

- VDE License Number: 40023066
- UL License Number: E96454

Characteristics

- Unwired
- Switch non-illuminated or illuminated
 - Thermal overload protection
- Qualified for use in equipment according IEC/EN 60950

Other versions on request

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

References

[General Product Information](#)

Weblinks

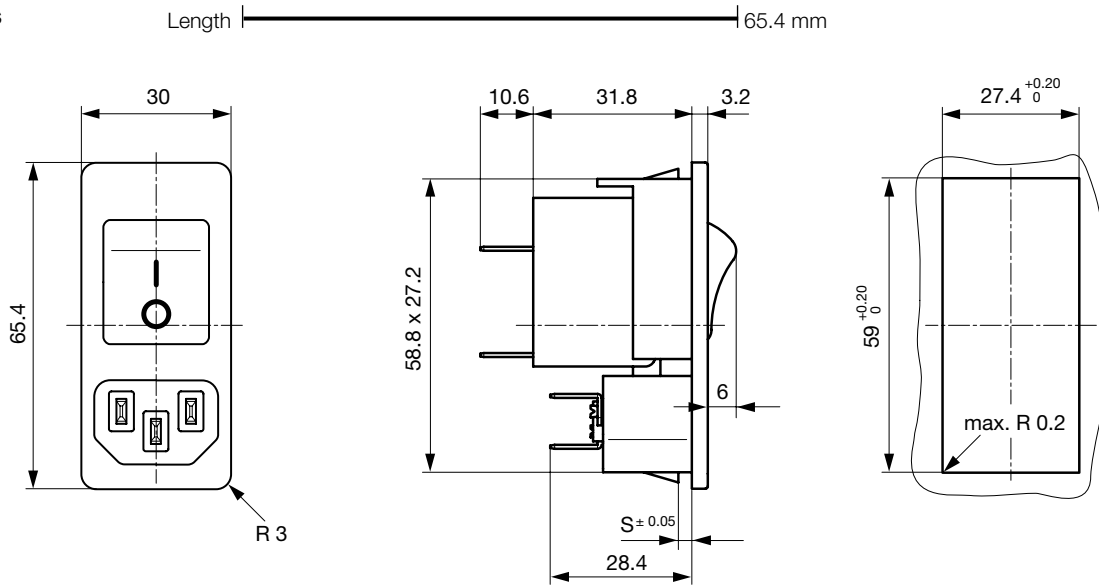
[Approvals](#), [RoHS](#), [CHINA-RoHS](#), [e-Store](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#)

Technical Data

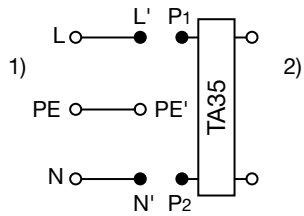
Ratings IEC	10A / 250VAC; 50Hz
Ratings UL/CSA	15A / 250VAC; 60Hz
Dielectric Strength	> 2.5 kVAC between L-N > 3 kVAC between L/N-PE (1 min/50Hz)
Allowable Operation Temp.	-25 °C to 60 °C
Degree of Protection	from front side IP 40 acc. to IEC 60529
Protection Class	Suitable for appliances with protection 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/-Outlet	C14 acc. to IEC/EN 60320-1 UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection class I
Circuit breaker	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

Dimensions



Diagrams



- 1) Line
- 2) Load

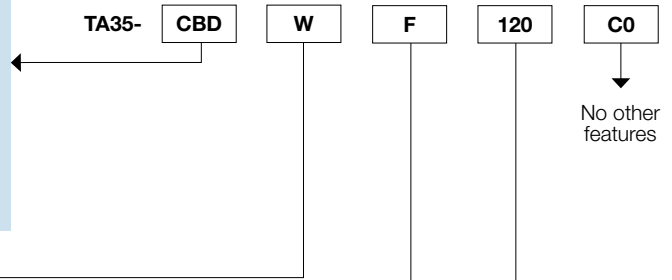
ORDER CODE

Table 1 Selection for type TA35

Order example

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



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

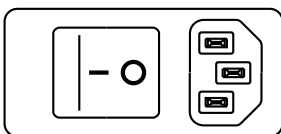
Other colours on request

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. F



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		

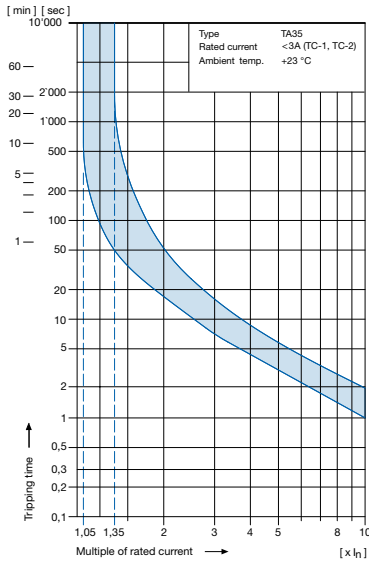
Other rated currents on request *) UL / CSA only

Technical data (continued)

Circuit breaker

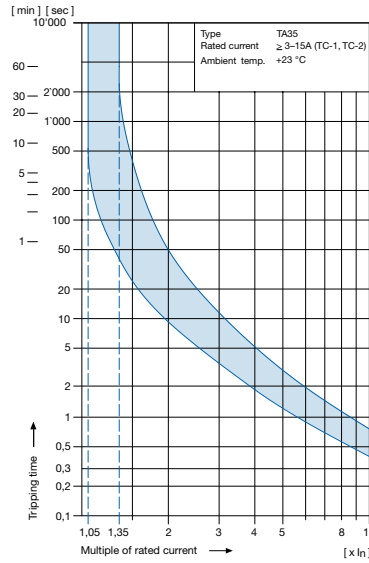
Tripping characteristics

$I_n < 3 \text{ A}$



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	. 0 2 1 0
	see table 1	

- 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

Accessory

Description



Assorted Covers
Rear Cover

0859.0074



Cord retaining kits
Cord retaining strain relief

Flat head, A

4700.0001

Mating Outlets/Connectors

Category / Description



Appliance Outlet

IEC Appliance Outlet F, Screw-on Mounting, Front Side, Solder or Quick-connect Terminal
IEC Appliance Outlet F, Screw-on Mounting, Front Side, Solder or Quick-connect Terminal

4787
4788

Connector



IEC Connector C15A, Rewireable, Straight
IEC Connector C15A, Rewireable, Straight
IEC Connector C15A, Rewireable, Angled
IEC Connector C13, Rewireable, Angled
IEC Connector C13, Rewireable, Angled
IEC Connector C13, Rewireable, Straight
IEC Connector C13, Rewireable, Angled
IEC Connector C15, Rewireable, Straight
IEC Connector C13, Rewireable, Straight
IEC Connector C15, Rewireable, Angled

0102
0102-G
0112
4012
4013
4022
4300-06
4781
4782
4784

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Power Cord



Power Cord with IEC Connector C13, Angled
Power Cord with IEC Connector C13, Angled
Power Cord with IEC Connector C13, Angled
Power Cord with IEC Connector C13, Angled
Power Cord with IEC Connector C13
Power Cord with IEC Connector C13, Straight
Power Cord with IEC Connector C13, Straight
Power Cord with IEC Connector C13, Straight
Power Cord with IEC Connector C13, Angled
Power Cord with IEC Connector C13, Angled

0311
3011
3012
3013
3020
3027
302U
3030
311L
312L

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