

IEC Appliance Inlet C14 with Circuit Breaker TA35 2-pole



C14

 70° C

**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 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

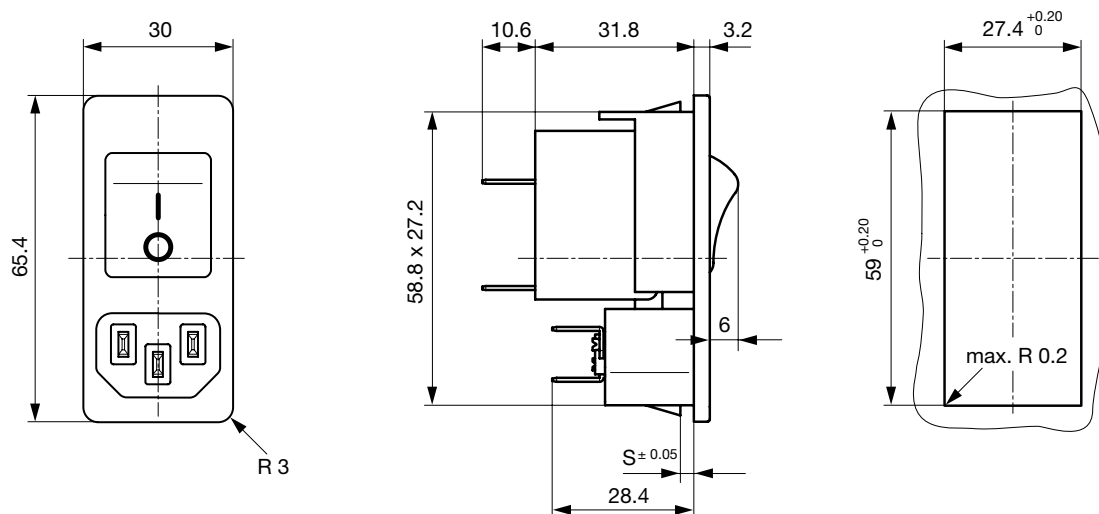
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Mounting instruction](#),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

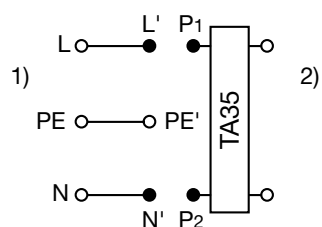
Technical Data

Ratings IEC	10 A / 250 VAC; 50 Hz	Appliance Inlet	C14 acc. to IEC 60320
Ratings UL/CSA	15 A / 250 VAC; 60 Hz		UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class I
Dielectric Strength	> 2.5 kVAC between L-N > 3 kVAC between L/N-PE (1 min/50 Hz)	Circuit Breakers	Acc. IEC/EN 60934, UL 1077, CSA 22.2 no. 235
Allowable Operation Temp.	-25 °C to 60 °C		2-pole rocker switch, illuminated or non-illuminated.
Degree of Protection	from front side IP 40 acc. to IEC 60529		Conditional short circuit Inc:
Protection Class	Suitable for appliances with protection class I acc. to IEC 61140		2000 A
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		

Dimensions



Diagrams



1) Line
2) Load

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

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

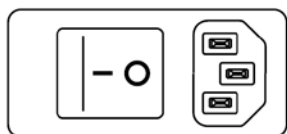
Other colours on request

Rocker legend

	Surface	Illustration		Colour of print
F	embossed	—	0	
H	printed	ON	OFF	white
K	printed	ON	OFF	black
L	printed	—	0	white
M	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	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		

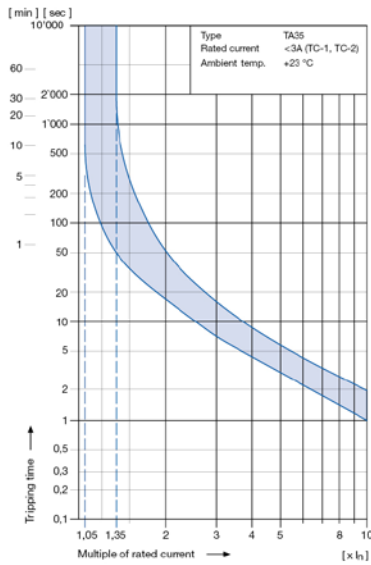
Other rated currents on request

*) UL / CSA only

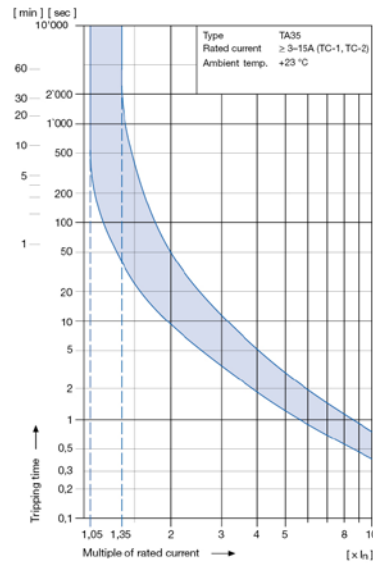
Technical data (continued)

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
	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: 6135.xxxx.xxxx

. 0 2 1 0

Wiring

1 wired
0 unwired

Terminals

1 Quick connect 6.3 x 0.8 mm

Mounting

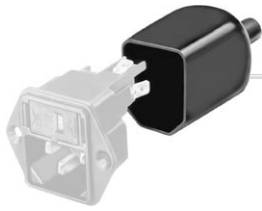
2 Snap-in s = 1.5 mm
3 Snap-in s = 2.0 mm
4 Snap-in s = 2.5 mm

0 Protection class 1

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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