

IEC Appliance Inlet C14 with Circuit Breaker TA35 2-pole

V-Lock



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

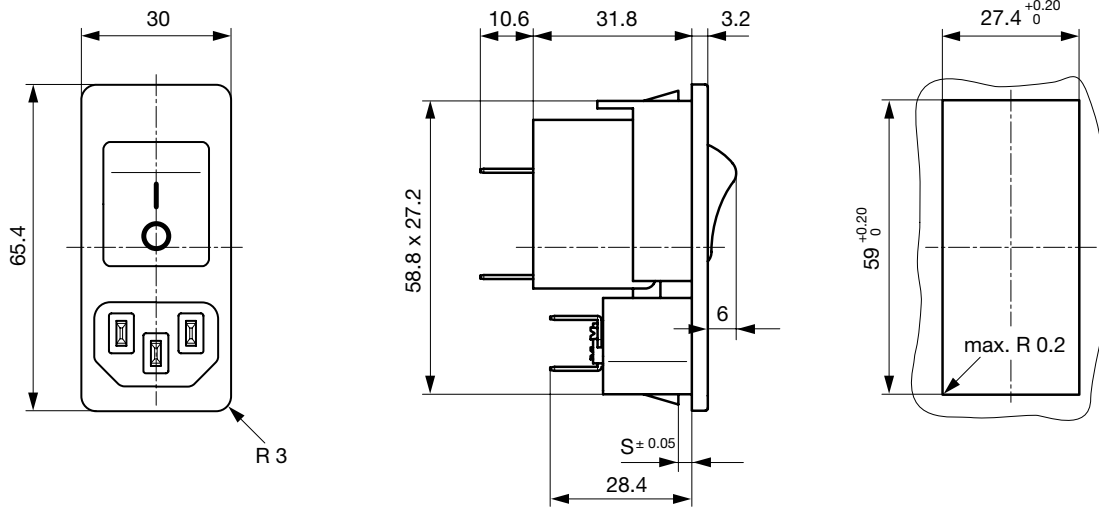
[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Mounting instruction](#),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

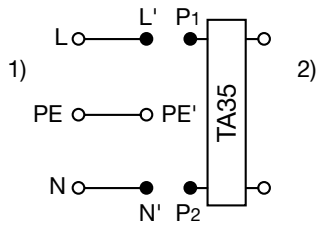
Technical Data

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	Circuit Breakers	Acc. IEC/EN 60934, UL 1077, CSA 22.2 no. 235
	> 3 kVAC between L/N-PE (1 min/50 Hz)		
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: 2000 A
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		

Dimensions



Diagrams



- 1) Line
- 2) Load

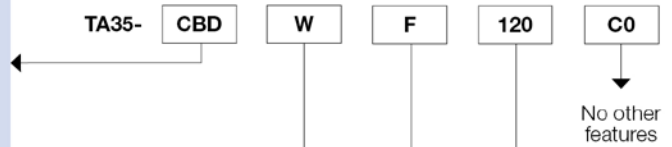
ORDER CODE

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

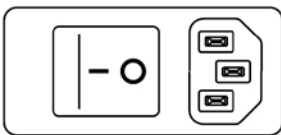
Other colours on request

Rocker legend

Surface	Illustration	Colour of print
F embossed		white
H printed		white
K printed		black
L printed		white
M printed		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		

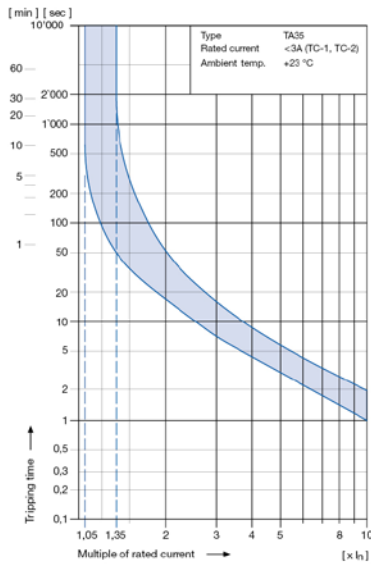
Other rated currents on request *) UL / CSA only

Technical data (continued)

Circuit breaker

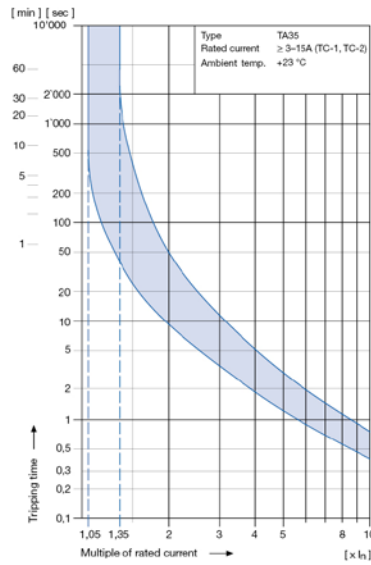
Tripping characteristics

$I_n < 3 A$



Tripping characteristics

$I_n \geq 3 \dots 15 A$



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	<p>Wiring 1 wired 0 unwired</p> <p>Terminals 1 Quick connect 6.3 x 0.8 mm</p> <p>Mounting 2 Snap-in s = 1.5 mm 3 Snap-in s = 2.0 mm 4 Snap-in s = 2.5 mm</p> <p>0 Protection class 1</p>

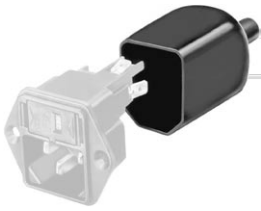
see table 1

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

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, Angled	4013

[Connector further types to 6135](#)

[Power Cord Overview complete](#)



Power Cord with IEC Connector C13, Angled	0311
Power Cord with IEC Connector C13, Angled	3011
Power Cord with IEC Connector C13, Angled	3012
Power Cord with IEC Connector C13, Angled	3013
Power Cord with IEC Connector C13	3020

[Power Cord further types to 6135](#)