

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

Approvals

- VDE Certificate Number: 40023066
- UL File Number: E96454
- CCC File Number: 2015180204000152

Characteristics

- Unwired
- Switch non-illuminated or illuminated
- Suitable for use in equipment according to IEC/UL 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)
Substitute for type [7764](#)

Weblinks

[pdf datasheet](#), [html-datasheet](#), [General Product Information](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Distributor-Stock-Check](#), [Accessories](#), [Detailed request for product](#)

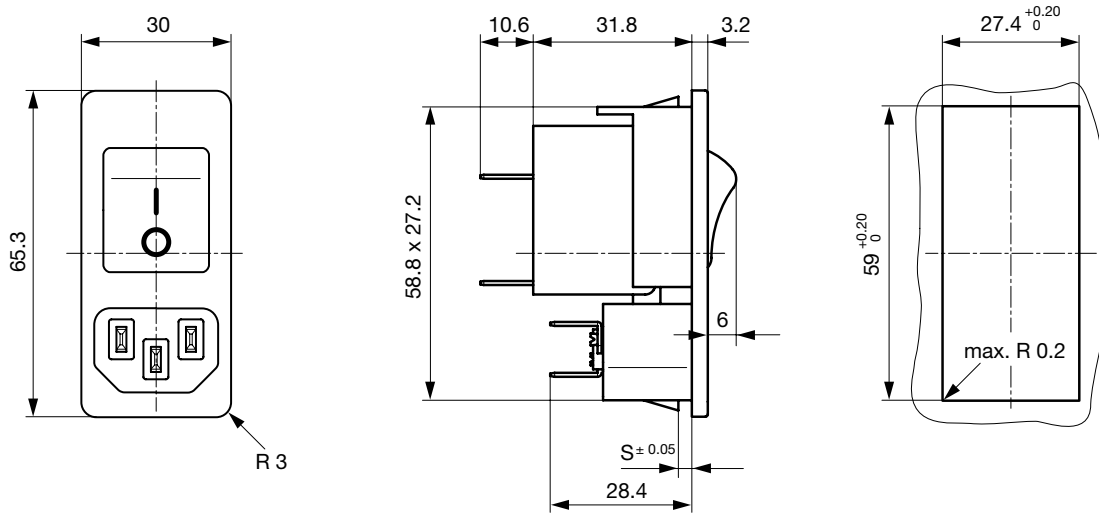
Newly available variants corresponding to V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

Technical Data

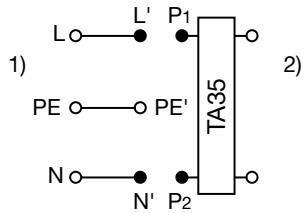
Ratings IEC	10A / 250VAC; 50Hz	appliance inlet/-outlet	C14 acc. to IEC 60320-1
Ratings UL/CSA	15A / 250VAC; 60Hz		UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class I
Dielectric Strength	> 2.5kVAC between L-N > 3kVAC between L/N-PE (1 min/50Hz)	Circuit Breakers	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
Allowable Operation Temperature	-25 °C to 60 °C		
IP-Protection	from front side IP 40 acc. to IEC 60529		
Insulation cover	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		

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [General Product Information](#)

Dimensions



Diagrams

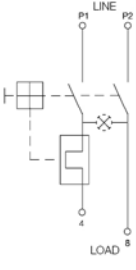
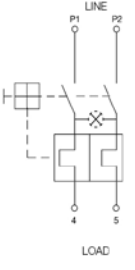


- 1) Line
2) Load

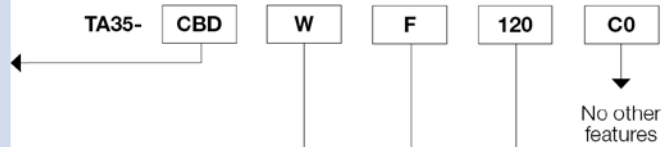
ORDER CODE

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

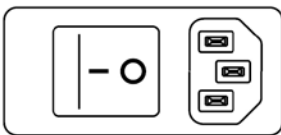
Other colours on request

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		

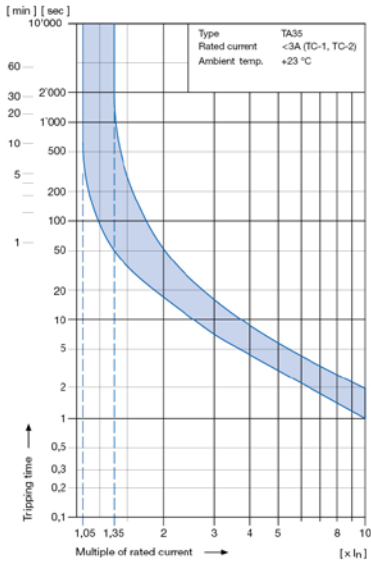
Other rated currents on request *) UL / CSA only

Technical data (continued)

Circuit breaker

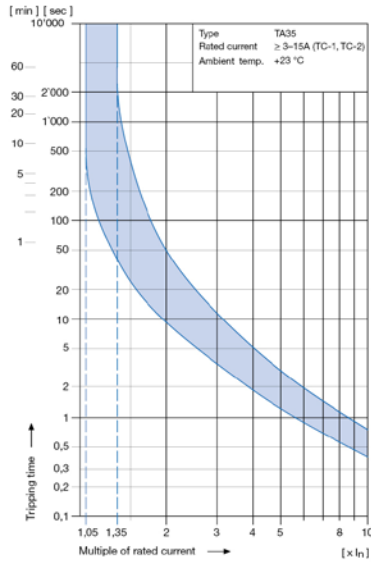
Tripping characteristics

$I_n < 3 A$



Tripping characteristics

$I_n \ge 3 \dots 15 A$



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.

* Temperature must be measured at the rear of the breaker next to the terminals after equipment operating temperature has been reached.

* 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

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 . 2 1	<p>Specials 21 V-Lock-Notch</p> <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>

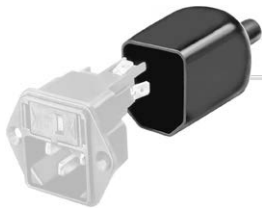
see table 1

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

0859.0074



Cord retaining kits
Cord retaining strain relief

Flat head, A

4700.0001

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



4782 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13

4782

4022 Mounting: Power Supply Cord, 3 x 1.5 mm², Screw clamps, Connector: IEC C13

4022

4785 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13

4785

4300-06 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13

4300-06

4012 Mounting: Power Supply Cord, 3 x 1.5 mm², Screw clamps, Connector: IEC C13

4012

Connector further types to 6135

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Mating Outlets/Connectors shuttered



Power Cord Overview complete

VAC13KS, Overview, diverse Connector IEC C13, cord end:

VAC13KS

Power Cord further types to 6135