

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](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Detailed request for product](#)

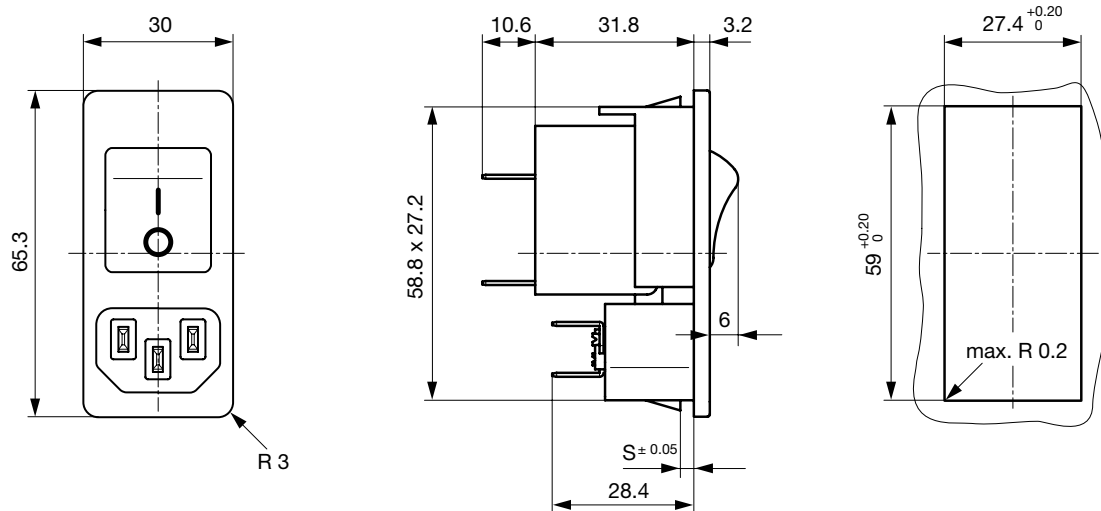
Newly available variants corresponding to V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

Technical Data

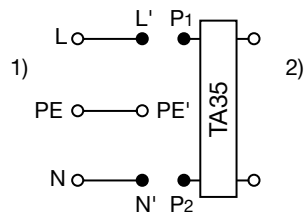
Ratings IEC	10A / 250VAC; 50Hz
Ratings UL/CSA	15A / 250VAC; 60Hz
Dielectric Strength	> 2.5kVAC between L-N > 3kVAC between L/N-PE (1 min/50 Hz)
Allowable Operation Temp.	-25 °C to 60 °C
Degree of Protection	from front side IP 40 acc. to IEC 60529
Protection Class	Suitable for appliances with protection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

Dimensions



Diagrams

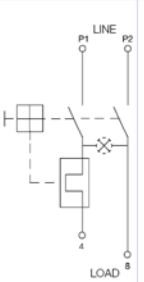
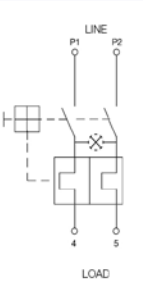


- 1) Line
2) Load

ORDER CODE

Table 1 Selection for type TA35

Order example

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

TA35-	CBD	W	F	120	C0
					No other features

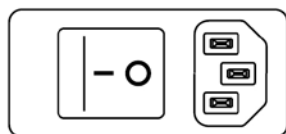
Colours			
	Switch front	Rocker non-illuminated	illuminated
W	black	white	—
B	black	black	—
3	black	—	red transparent
4	black	—	green transparent
6	black	—	orange transparent

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

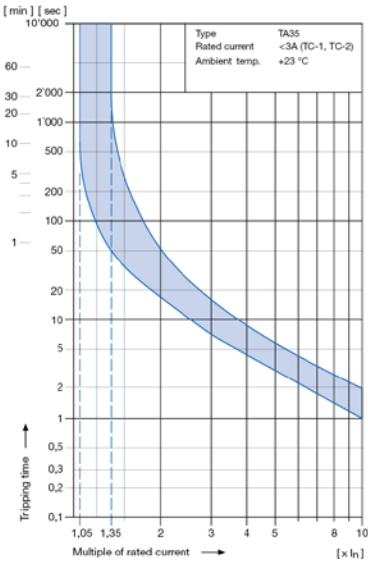
*) UL / CSA only

Technical data (continued)

Circuit breaker

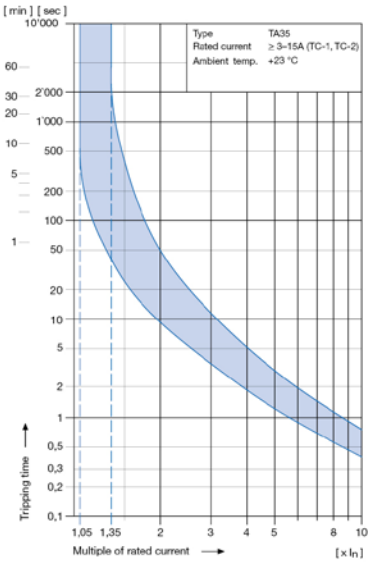
Tripping characteristics

$I_n < 3\text{ A}$



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

. 0 2 1 0 . 21

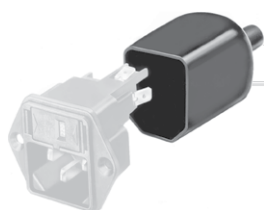
- Specials**
21 V-Lock-Notch
- Wiring**
1 wired
0 unwired
- Terminals**
1 Quick connect 6.3 x 0.8 mm
- Mounting**
2 Snap-in s = 1.5 mm
3 Snap-in s = 2.0 mm
4 Snap-in s = 2.5 mm
- 0 Protection class 1

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

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

4782 Mounting: Power Cord, 3 x 1 mm ² / 3 x 18 AWG, Cable, Connector: IEC C13	4782
4022 Mounting: Power Supply Cord, 3 x 1.5 mm ² , Screw clamps, Connector: IEC C13	4022
4785 Mounting: Power Cord, 3 x 1 mm ² / 3 x 18 AWG, Cable, Connector: IEC C13	4785
4300-06 Mounting: Power Cord, 3 x 1 mm ² / 3 x 18 AWG, Cable, Connector: IEC C13	4300-06
4012 Mounting: Power Supply Cord, 3 x 1.5 mm ² , Screw clamps, Connector: IEC C13	4012

[Connector further types to 6135](#)

Mating Outlets/Connectors shuttered

Power Cord Overview complete



VAC17KS, North America, 2.0 m, Connector C17, cord end:	6051.2801
VAC17KS, Europlug, 2.0 m, Connector IEC C17, cord end:	6051.2803
VAC17KS, Europlug, 2.0 m, Connector IEC C17, cord end:	6051.2813
VAC13KS, Overview, diverse Connector IEC C13, cord end:	VAC13KS

[Power Cord further types to 6135](#)