IEC Appliance Inlet C14 with Circuit Breaker TA35 2-pole

V-Lock

new

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
- 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
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, SCHURTER-Stock-Check, Distributor-Stock-Check, CAD-Drawings, Accessories, Detailed request for product

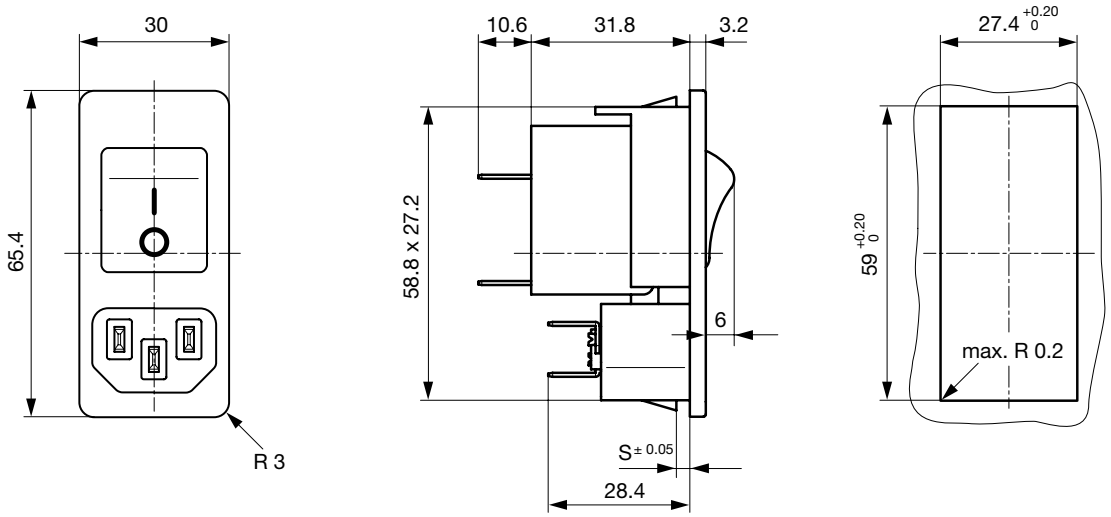
Newly available variants corresponding to V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

Technical Data

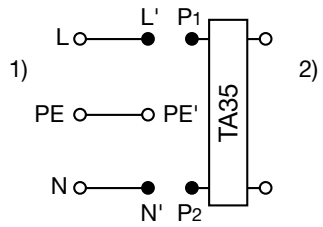
Ratings IEC	10 A / 250 VAC; 50 Hz
Ratings UL/CSA	15 A / 250 VAC; 60 Hz
Dielectric Strength	> 2.5 kVAC between L-N > 3 kVAC between L/N-PE (1 min/50 Hz)
Allowable Operation Temp.	-25 °C to 60 °C
Degree of Protection	from front side IP 40 acc. to IEC 60529
Protection Class	Suitable for appliances with protection class I acc. to IEC 61140
Terminal	Quick connect terminals 6.3 x 0.8 mm
Panel Thickness s	Snap-in1.5/2/2.5 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, 10 A, 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

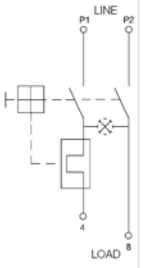
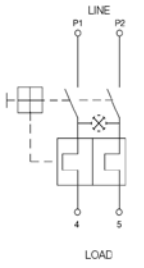


1) Line
2) Load

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	**C12**	**C32**
Switch illuminated 120 V	**C14**	**C34**

Other versions on request

TA35- [CBD] [W] [F] [120] [C0]

C0: No other features

Colours

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

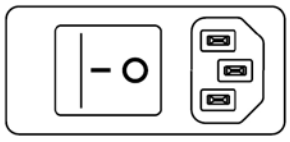
Other colours on request

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**		

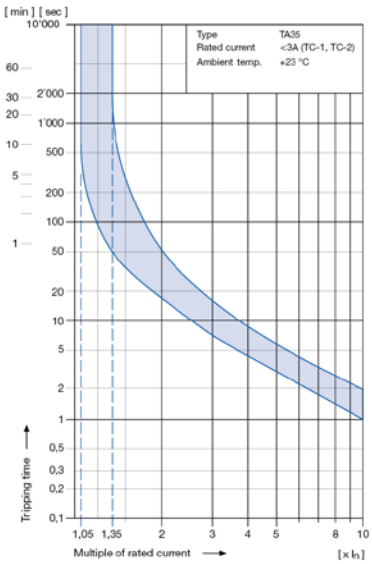
Other rated currents on request

*) UL / CSA only

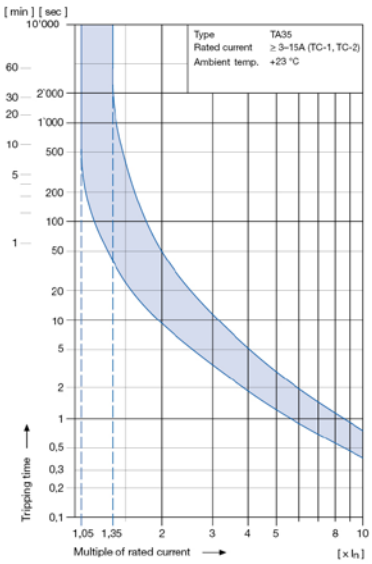
Technical data (continued)

Circuit breaker

Tripping characteristics
$I_n < 3$ A



Tripping characteristics
$I_n \geq 3 \ldots 15$ 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 (see table 1)	. 0 2 1 0

Wiring
1 wired
0 unwired

Terminals
1 Quick connect 6.3 x 0.8 mm

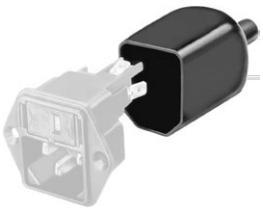
Mounting
2 Snap-in s = 1.5 mm
3 Snap-in s = 2.0 mm
4 Snap-in s = 2.5 mm

0 Protection class 1

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	...

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments.

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6135.0041.0210