

## 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
- Alternative: version for 16 A (20 A) [6136](#)
- Substitute for type [7764](#)

**Approvals**

- VDE License Number: 40023066
- UL License 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**

[General Product Information](#)

**Weblinks**

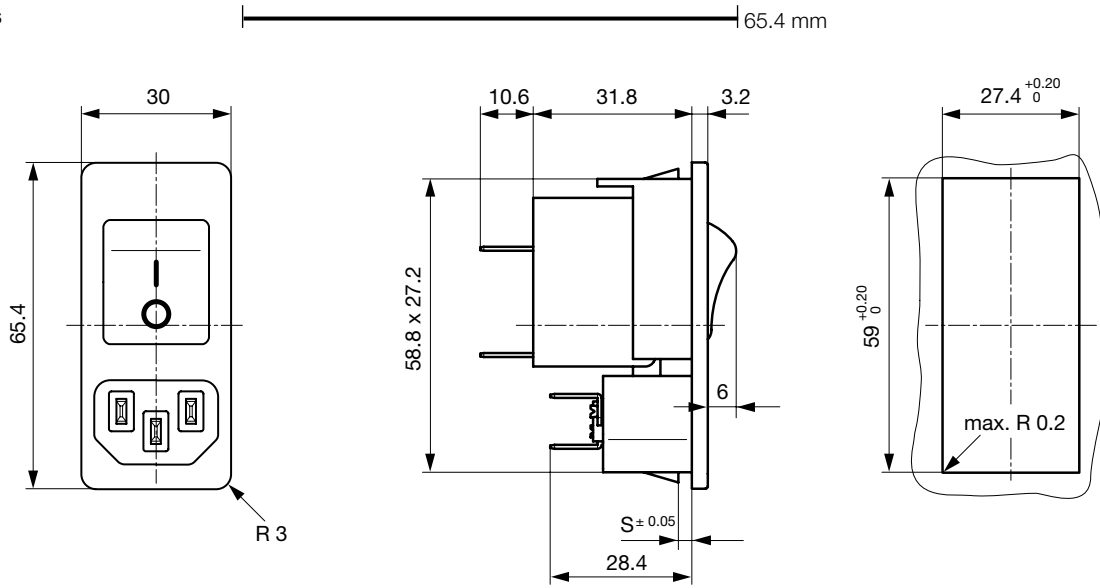
[Approvals](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [Distributor-Stock-Check](#), [Accessories](#)

**Technical Data**

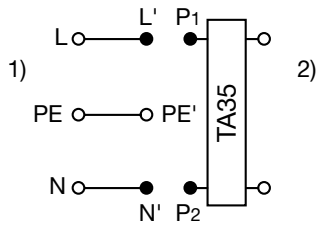
Ratings IEC	10A / 250VAC; 50Hz
Ratings UL/CSA	15A / 250VAC; 60Hz
Dielectric Strength	> 2.5 kVAC between L-N > 3 kVAC between L/N-PE (1 min/50Hz)
Allowable Operation Temp.	-25 °C to 60 °C
Degree of Protection	from front side IP 40 acc. to IEC 60529
Protection Class	Suitable for appliances with protection class 1 acc. to IEC 61140
Terminal	Quick connect terminals 6.3 x 0.8 mm
Panel Thickness s	Snap-in 1.5/2/2.5/3 mm
Material: Housing	Thermoplastic, black, UL 94V-0

Appliance Inlet	C14 acc. to IEC/EN 60320-1 UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class 1
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

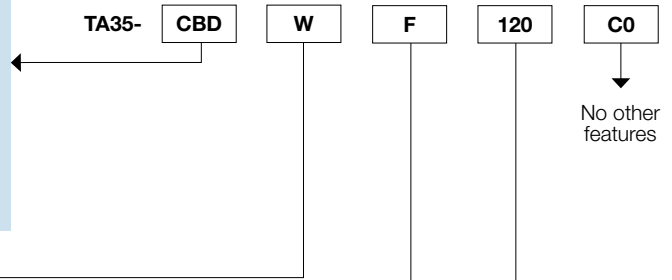
**ORDER CODE**

**Table 1 Selection for type TA35**

Order example

Number of switched poles Number of protected poles		2-pole	
		1	2
Switch	without illumination	<b>CBT</b>	<b>CBD</b>
Switch	illuminated 240 V 120 V	<b>C12</b> <b>C14</b>	<b>C32</b> <b>C34</b>

Other versions on request



**Colours**

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

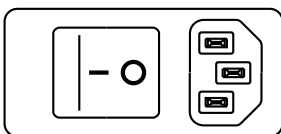
Other colours on request

**Rocker legend**

	Surface	Illustration		Colour of print
<b>F</b>	embossed	–	o	
<b>H</b>	printed	ON	OFF	white
<b>K</b>	printed	ON	OFF	black
<b>L</b>	printed	–	o	white
<b>M</b>	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	<b>J10</b>	8,0	<b>080</b>
2,0	<b>J20</b>	10,0	<b>100</b>
4,0	<b>040</b>	12,0	<b>120*</b>
5,0	<b>050</b>	15,0	<b>150*</b>
6,0	<b>060</b>		

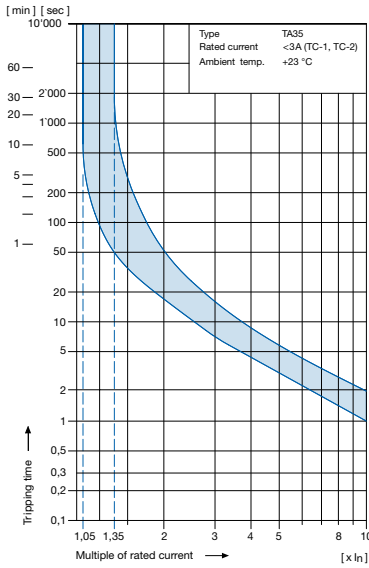
Other rated currents on request      \*) UL / CSA only

## Technical data (continued)

### Circuit breaker

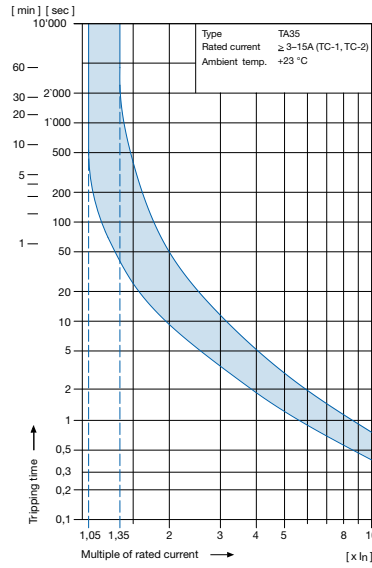
Tripping characteristics

$I_n < 3 A$



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)

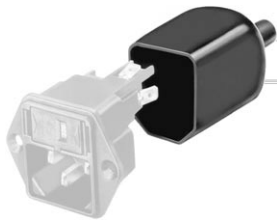
<b>Type</b>	<b>Order code TA35</b>		<b>Wiring</b>
			<b>1</b> wired
			<b>0</b> unwired
<b>6135</b>	<b>C B D W F 1 2 0 C 0</b>	<b>. 0 2 1 0</b>	<b>Terminals</b>
	see table 1		<b>1</b> Quick connect 6.3 x 0.8 mm
			<b>Mounting</b>
			<b>2</b> Snap-in s = 1.5 mm
			<b>3</b> Snap-in s = 2.0 mm
			<b>4</b> Snap-in s = 2.5 mm
			<b>5</b> Snap-in s = 3.0 mm
			<b>0</b> 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

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 or Quick-connect 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

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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

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