

IEC Appliance Inlet C20 with Circuit Breaker TA35 1-pole



See below:  
[Approvals and Compliances](#)

**Description**

- Panel Mount :  
 Snap-in version from front side
- 2 Functions :  
 Appliance Inlet , Protection class I , Circuit breaker type TA35 , 1-pole
- Quick connect terminals 6.3 x 0.8 mm

**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 10 A (15 A) [6135](#)  
 Substitute for type [1624-K](#)

**Weblinks**

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

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	16A / 250VAC; 50Hz
Ratings UL/CSA	20A / 250VAC; 60Hz
Dielectric Strength	> 2.5 kVAC between L-N > 3 kVAC between L/N-PE (1 min/50Hz)
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

appliance inlet/-outlet	C20 acc. to IEC 60320-1, UL 60320-1, CSA C22.2 no. 60320-1 (for cold conditions) pin-temperature 70 °C, 16A, Protection Class I
Circuit Breakers	Acc. IEC/EN 60934, UL 1077, CSA 22.2 no. 235 1-pole rocker switch, illuminated or non-illuminated. Conditional short circuit Inc: 2000 A

**Approvals and Compliances**

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

## Approvals

The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.

Approval Reference Type: 6136

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	Certificate Number: 40025196
	UL Approvals	UL	UL File Number: E96454
	CQC Approvals	CQC	CCC Certificate Number: 2015180204000153

## Product standards

Product standards that are referenced

Organization	Design	Standard	Description
	Designed according to	IEC 60320-1	Appliance couplers for household and similar general purposes
	Designed according to	UL 60320-1	Standard for Attachment Plugs and Receptacles
	Designed according to	CSA C22.2 no. 60320-1	General Use Receptacles, Attachment Plugs, and Similar Wiring Devices

## Application standards

Application standards where the product can be used

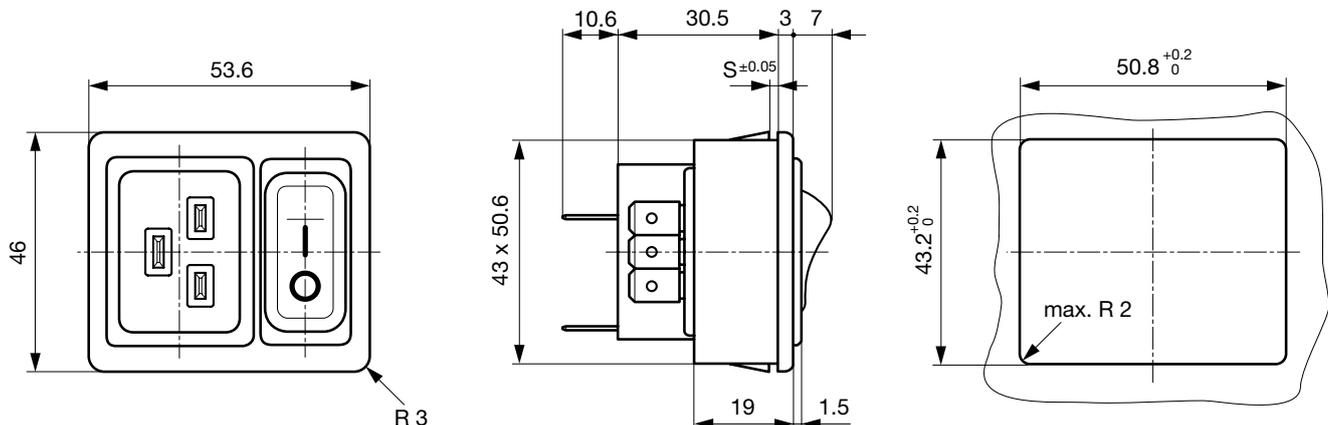
Organization	Design	Standard	Description
	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technology equipment.

## Compliances

The product complies with following Guide Lines

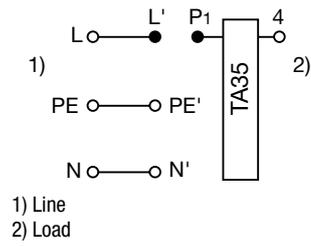
Identification	Details	Initiator	Description
	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
	RoHS	SCHURTER AG	EU Directive RoHS 2011/65/EU
	China RoHS	SCHURTER AG	The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.
	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.
	MicrositeV-Lock	SCHURTER AG	V-Lock system are based on a matching plug-dose combination. 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.

## Dimensions [mm]

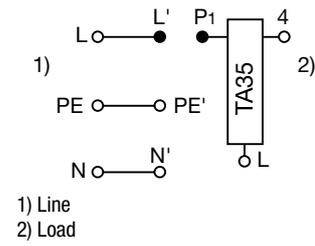


Diagrams

non-illuminated



illuminated (connection N' to L)

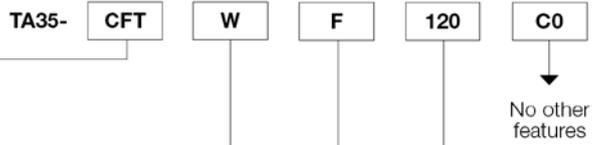


**ORDER CODE**

**Table 1 Selection for type TA35**

Order example

Number of switched poles		<b>1-pole</b>	
Number of protected poles		<b>1</b>	
Switch	without illumination	<b>CFT</b>	
Switch	illuminated 240 V 120 V	<b>C2F</b> <b>C4F</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

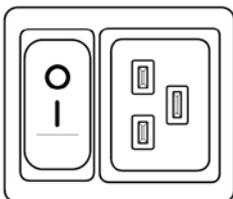
Other colours on request

**Rocker legend**

	Surface	Illustration	Colour of print
<b>F</b>	embossed		
<b>H</b>	printed		white
<b>K</b>	printed		black
<b>L</b>	printed		white
<b>M</b>	printed		black

Other legends on request

Position of the rocker legend e.g. F



**Rated current I<sub>n</sub> (A)**

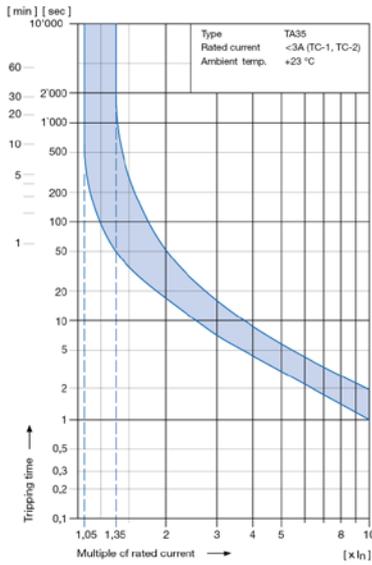
I <sub>n</sub>	Code	I <sub>n</sub>	Code
1,0	<b>J10</b>	8,0	<b>080</b>
2,0	<b>J20</b>	10,0	<b>100</b>
4,0	<b>040</b>	12,0	<b>120</b>
5,0	<b>050</b>	15,0	<b>150</b>
6,0	<b>060</b>	16,0	<b>160</b>
		20,0	<b>200*</b>

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

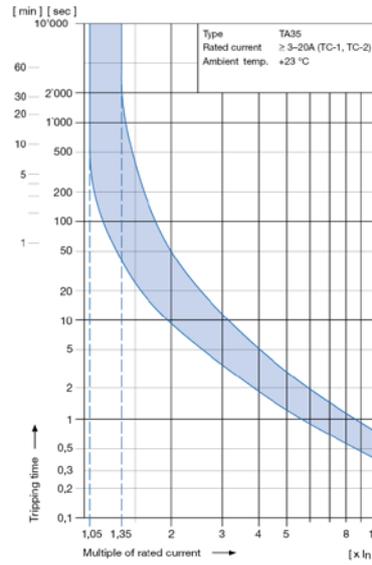
**Technical data (continued)**

**Circuit breaker**

Tripping characteristics  
 $I_n < 3 A$



Tripping characteristics  
 $I_n \geq 3 \dots 20 A$



**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)**

<b>Type</b>	<b>Order code TA35</b>	<b>Specials</b> 21 V-Lock-Notch
6136	C F T W F 1 2 0 C 0	

see table 1

<b>Wiring</b>	. 0 2 1 0 . 2 1	<b>Terminals</b>
1 wired 0 unwired		1 Quick connect 6.3 x 0.8 mm
<b>Mounting</b>		<b>Mounting</b>
		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: 6136.xxxx.xxxx

Packaging unit 15 Pcs

## Mating Outlets/Connectors

## Category / Description


[Connector Overview complete](#)

IEC Connector C19, Rewireable, Straight	4795
IEC Connector C19, Rewireable, Angled	4790
IEC Connector C19, Rewireable, Straight	0104U

[Connector further types to 6136](#)

[Power Supply Cord Overview complete](#)

Cord Sets 16 A, Europlug, 2.5 m, Connector IEC C19, H05VV-F3G1.5, black	6004.0395
Cord Sets 16 A, Interconnection, 1.0 m, Connector IEC C19, H05VV-F3G1.5, black	6020.0392
Cord Sets 16 A, Interconnection, 2.0 m, Connector IEC C19, H05VV-F3G1.5, black	6020.0394
Cord Sets 16 A, North America, 2.5 m, Connector IEC C19, SJT 3x14 AWG, black	6009.5195

[Power Supply Cord further types to 6136](#)

## Mating Outlets/Connectors shuttered


[Power Cord Overview complete](#)

Overview Power Cord with IEC Appliance Connector C19, V-Lock, straight	VAC19KS
--	---------

[Power Cord further types to 6136](#)