

IEC Appliance Inlet C20 with Circuit Breaker TA35 1-pole

V-Lock

new



C20



70° C



#### 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

#### Approvals

- VDE Certificate Number: 40025196
- UL File Number: E96454
- CCC File Number: 2015180204000153

#### 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)  
 Substitute for type [1624-K](#)

#### Weblinks

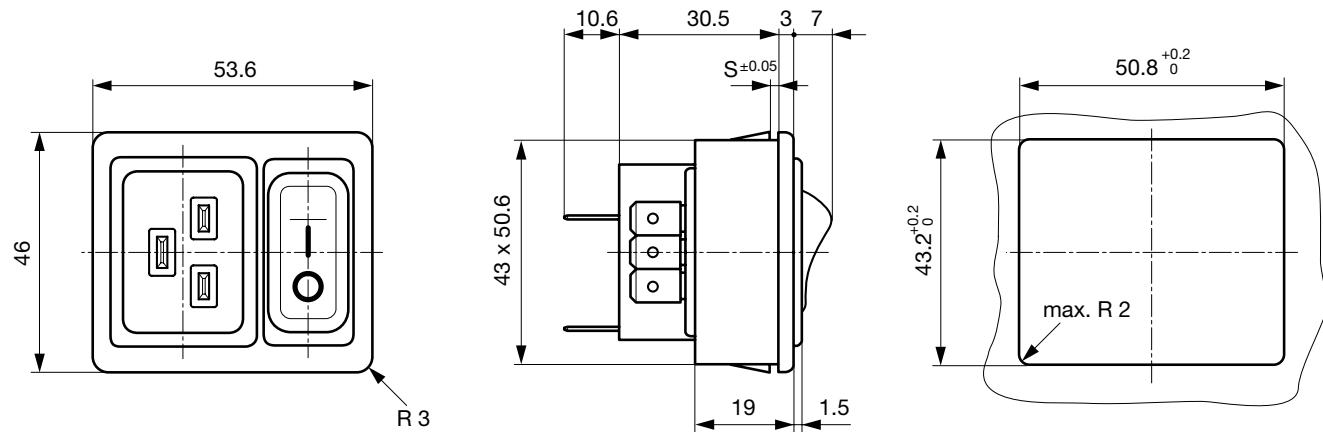
[pdf-datasheet](#), [html-datasheet](#), General Product Information, Approvals, CE declaration of conformity, RoHS, CHINA-RoHS, REACH, Mating Connectors, e-Shop, SCHURTER-Stock-Check, Distributor-Stock-Check, CAD-Drawings, Accessories, Detailed request for product

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

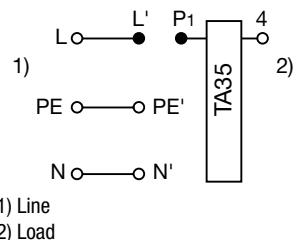
Ratings IEC	16A / 250VAC; 50Hz	Appliance Inlet	C20 acc. to IEC 60320, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 16A, Protection Class I
Ratings UL/CSA	20A / 250VAC; 60Hz		
Dielectric Strength	> 2.5 kVAC between L-N > 3 kVAC between L/N-PE (1 min/50Hz)		
Allowable Operation Temp.	-25 °C to 60 °C	Circuit Breakers	Acc. IEC/EN 60934, UL 1077, CSA 22.2 no. 235
Degree of Protection	from front side IP 40 acc. to IEC 60529		1-pole rocker switch, illuminated or non-illuminated.
Protection Class	Suitable for appliances with protection class I acc. to IEC 61140		Conditional short circuit Inc: 2000 A
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		

## Dimensions

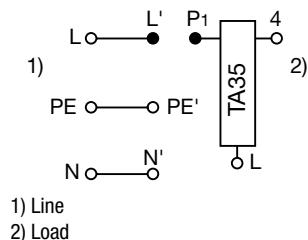


## Diagrams

non illuminated



illuminated (connection N' to L)



## ORDER CODE

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

Other versions on request

**Table 1 Selection for type TA35**

Order example

TA35- **CFT** **W** **F** **120** **C0**

No other features

## 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

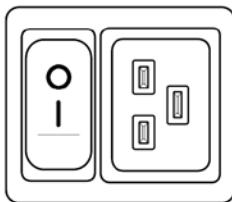
Other colours on request

## Rocker legend

Surface	Illustration	Colour of print
<b>F</b> embossed	— o	
<b>H</b> printed	— OFF	white
<b>K</b> printed	— 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	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	16,0	160
		20,0	200*

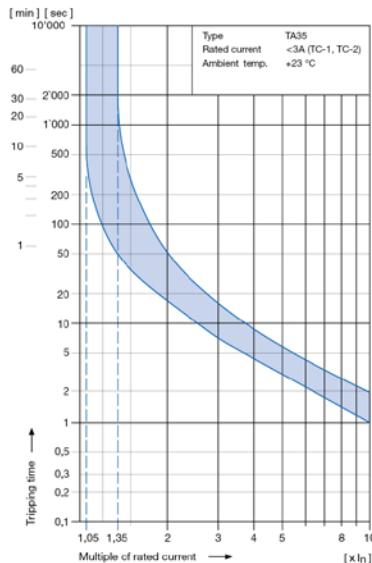
Other rated currents on request

\*) UL / CSA only

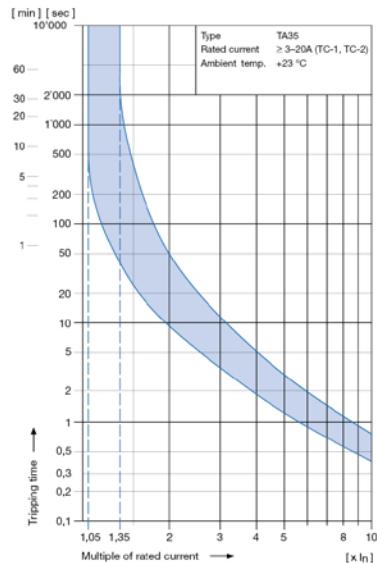
## Technical data (continued)

## Circuit breaker

## Tripping characteristics

 $I_n < 3 \text{ A}$ 

## Tripping characteristics

 $I_n \geq 3 \dots 20 \text{ A}$ 

## 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

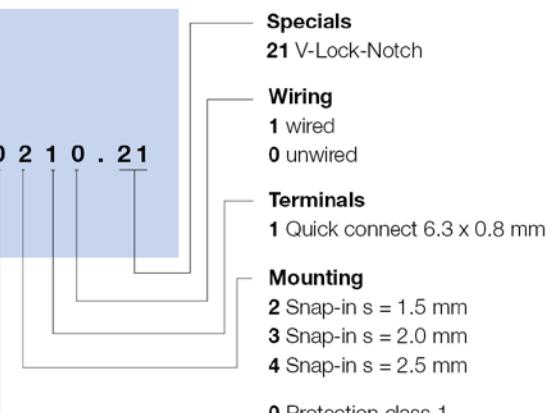
10 A x 1.06 = 10.6 A

ambient temperature:

## Order code (Order example)

Type	Order code TA35
6136	C F T W F 1 2 0 C 0 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: 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, cord end:	6004.0395
Cord Sets 16 A, North America, 2.5 m, Connector IEC C19, cord end:	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