IEC Appliance Inlet C20 with Circuit Breaker TA35 1-pole





C20

70° C

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, Landing Page

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	16 A / 250 VAC; 50 Hz
Ratings UL/CSA	20 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 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, 16 A, 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
c UL us	UL Approvals	UL	UL File Number: E96454
	CQC Approvals	CQC	CCC Certificate Number: 2015180204000153

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Product standards

Product standards that are referenced

Organization	Design	Standard	Description
IEC	Designed according to	IEC 60320-1	Appliance couplers for household and similar general purposes
UL	Designed according to	UL 60320-1	Standard for Attachment Plugs and Receptacles
CSA Group	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

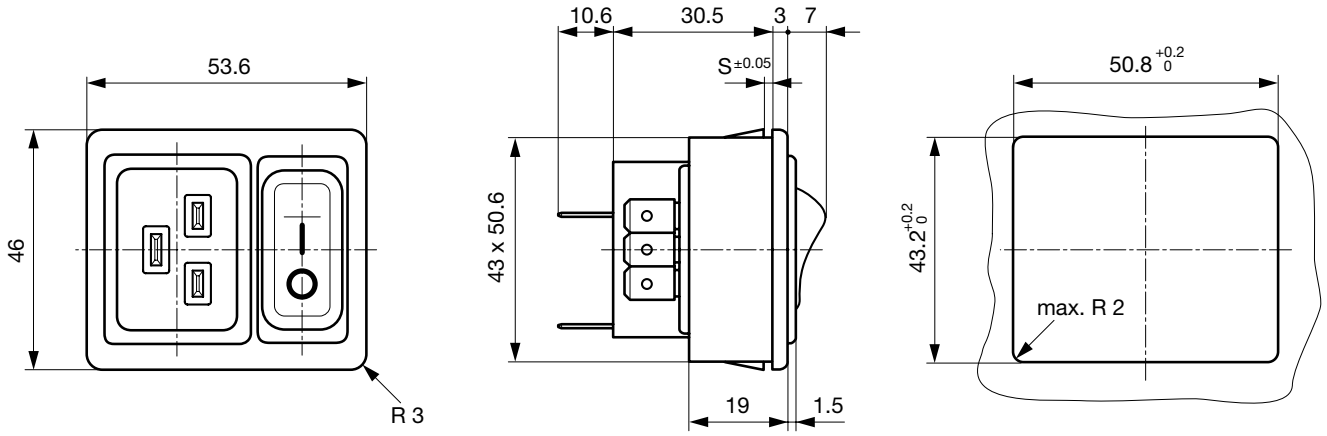
Organization	Design	Standard	Description
IEC	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technology equipment.

Compliances

The product complies with following Guide Lines

Identification	Details	Initiator	Description
CE	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	RoHS	SCHURTER AG	EU Directive RoHS 2011/65/EU
50	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	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.
V-Lock	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.

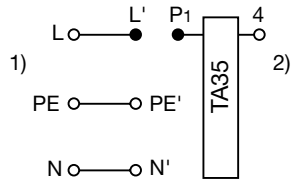
Dimensions [mm]



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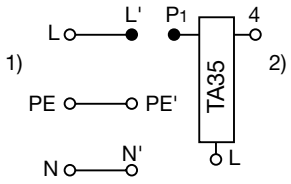
Diagrams

non-illuminated



1) Line
2) Load

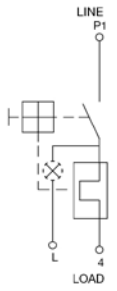
illuminated (connection N' to L)



1) Line
2) Load

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ORDER CODE

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

Other versions on request

Table 1 Selection for type TA35

Order example

TA35- | CFT | 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

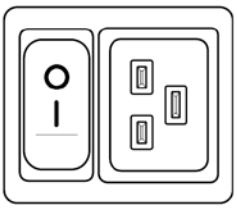
Other colours on request

Rocker legend

	Surface	Illustration		Colour of print
F	embossed	–	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	16,0	160
		20,0	200*

Other rated currents on request

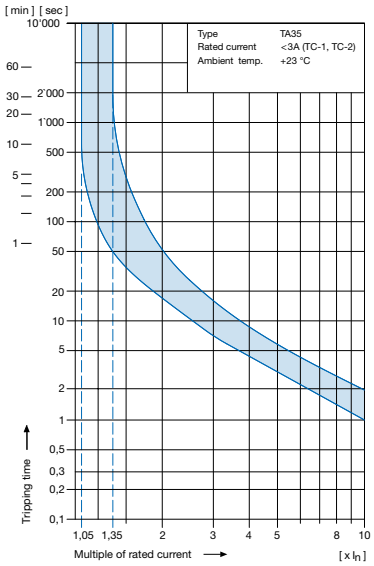
*) UL / CSA only

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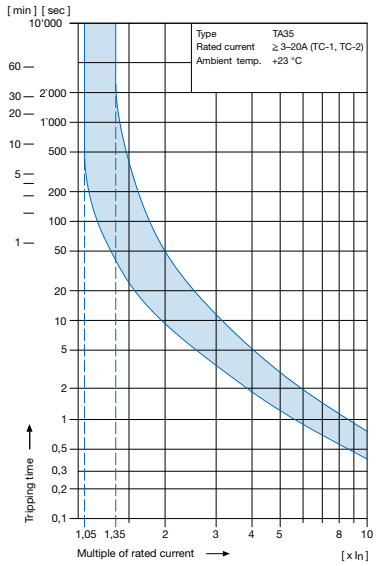
Technical data (continued)

Circuit breaker

Tripping characteristics
I_n < 3 A



Tripping characteristics
$I_n \geq 3 \ldots 20$ 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.

* 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	
6136	C F T W F 1 2 0 C 0 - 000 -	X X X X - 1X - 00
	see table 1	

Cord Retention
0 Without
1 V-Lock

Mounting
1 Snap-in s = 1.0 mm
2 Snap-in s = 1.5 mm
3 Snap-in s = 2.0 mm
4 Snap-in s = 2.5 mm

Terminal PE
1 Quick connect terminals 6.3 x 0.8 mm

Terminal N
1 Quick connect 6.3 x 0.8 mm

Terminal L
1 Quick connect 6.3 x 0.8 mm
4 Wire connection to circuit breaker

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

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Packaging unit 15 Pcs

Mating Outlets/Connectors

Category / Description



Connector Overview complete

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

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

19.09.2018

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.

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1301.9316 31.7501 4301.1415 4700.0002 862.8107 DD11.0123.1110 0031.3571 3-126-769 KM01.1205.11
3404.0016.11 4747.0000 4797.0000 3-130-938 3410.0141.01 0031.2308 0034.1514 0090.0002
3403.0160.24 4747 0034.5626.22 3-126-798 3404.0117.11