

IEC Appliance Inlet C20 with Circuit Breaker TA45

V-Lock



C20



70° C



Description

- Panel Mount:
Screw-on version from front or rear side, snap-in version from front side
- 2 Functions:
Appliance Inlet Protection class I, circuit breaker type TA45 2-pole
- Quick connect terminals 6.3 x 0.8 mm

Approvals

- VDE Certificate Number: 40001029
- UL File Number: E96454

Characteristics

- All single elements are already wired
Unwired versions available on request
- Line switch non-illuminated or illuminated
Thermal overload protection
Optional with undervoltage- or remote trip release
- Suitable for use in equipment according to IEC/UL 60950

Other versions on request

- Unwired versions
- Variant with notch for V-Lock mating Cordsets

References

Alternative: version with line filter [EF12](#)

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.

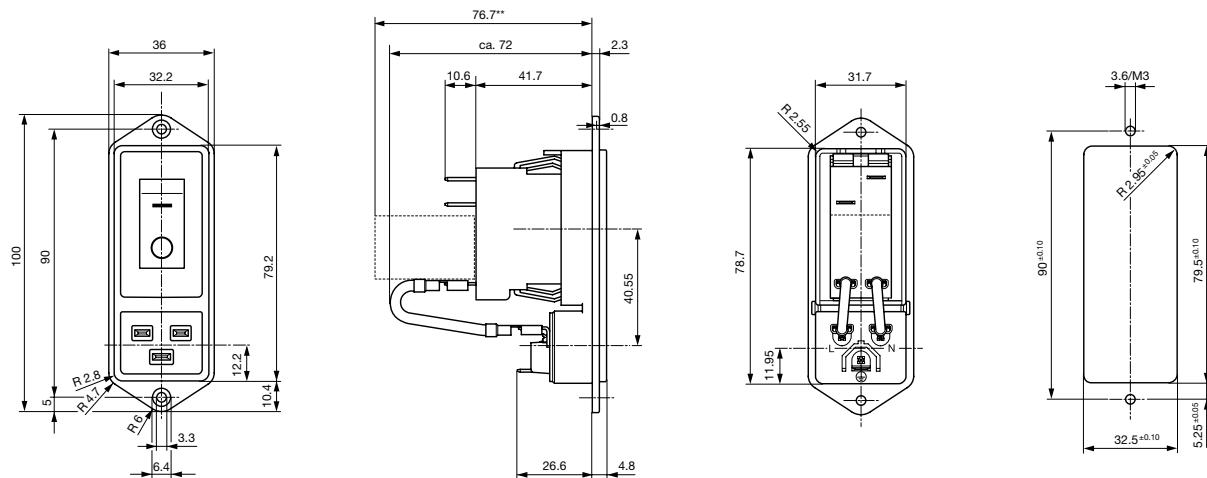
Technical Data

Ratings IEC	16A / 250VAC; 50Hz
Ratings UL/CSA	20A / 125/250VAC; 60Hz
Dielectric Strength	> 1.5 kVAC between L-N > 3 kVAC between L/N-PE (1 min/50 Hz)
Allowable Operation Temp.	-10 °C to 55 °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	Screw: max 8 mm Mounting screw torque max 0.5 Nm Snap-in: 1.5/2/2.5 mm
Material: Housing	Thermoplastic, black, UL 94V-0

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
Circuit Breakers	Acc. IEC/EN 60934, UL 1077, CSA 22.2 no. 235 2-pole rocker switch, illuminated or non- illuminated. Optional with undervoltage- or remote trip release Short circuit capacity Icn: at $I_n < 3A/240VAC$: $10 \times I_n$ at $I_n \geq 3A/240VAC$: 300A
Line Switch	Rocker switch 2-pole, non-illuminated or illuminated, acc. to IEC 61058-1 Technical Details

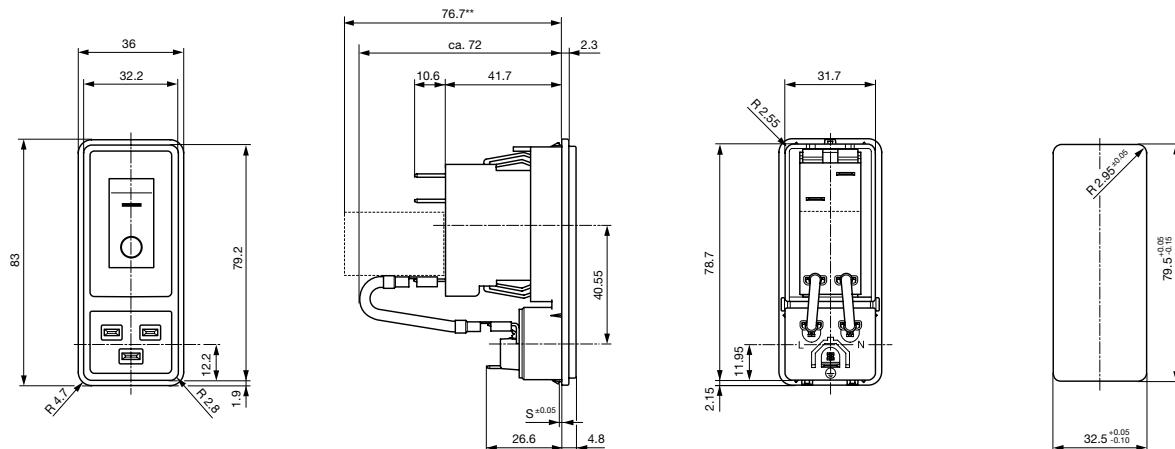
Dimensions

Screw-on mounting



** --- Version TA45 with undervoltage release

Snap-in mounting



**--- Version TA45 with undervoltage release

Diagrams

Diagram

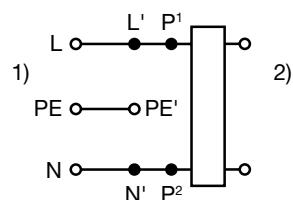
1) Line
2) Load

Table 1 Selection for type TA45

Order example



- Line switch
- 2-pole, rocker actuated
- Quick connect terminal

Other types on request

Diagram

Thermal overload protection		without	with 1-pole	with 2-pole
Without illumination				
With illumination	220...240 V 110...120 V	ABC	ABT	ABD

ABT **W** **F** **150** **C0**

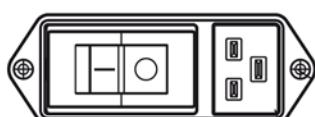
Colours

Switch front	Rocker
W black	white
B black	black
6 black	—

Rocker legend

Surface	Illustration	Colour of print	Surface	Illustration	Colour of print
F embossed			M printed		black
H printed		white	P printed		white
K printed		black	R printed		black
L printed		white			

Position of the rocker legend
e.g F



Rated current:

- Without thermal overload protection: code **C00**

$$I_n = 20 \text{ A}$$

- With thermal overload protection: rated current I_n (A)

I_n	Code	I_n	Code	I_n	Code	I_n	Code
10,0	100	13,0	130	16,0	160	19,0	190
11,0	110	14,0	140	17,0	170	20,0	200
12,0	120	15,0	150	18,0	180		

Other rated currents on request

Without release: code **C0**

Undervoltage release

•	•	•
•	•	•
•	•	•

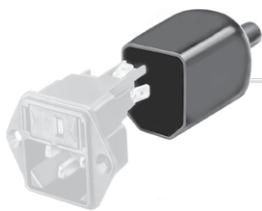
Remote trip release

	Code	Rated voltage U_n
•	2	240 V AC
•	3	230 V AC
•	4	120 V AC

Packaging unit 16 Pcs

Accessories

Description



Assorted Covers
Rear Cover



Cord retaining kits
Cord retaining strain relief

Mating Outlets/Connectors

Category / Description



Connector Overview complete

IEC Connector C19, Rewireable, Straight
IEC Connector C19, Rewireable, Angled
IEC Connector C19, Rewireable, Straight

0104U
4790
4795

[Connector further types to EF11](#)



Power Supply Cord Overview complete

US Power Supply Cord with IEC Connector C13, hospital grade
EU Power Supply Cord with IEC Connector C19, straight/ angled
US Power Supply Cord with IEC Connector C19, straight

4300.0920
6004.0395
6009.5195

[Power Supply Cord further types to EF11](#)

Power Supply or Interconnection Cord Overview complete

Diverse Power Supply and Interconnection Cords 16 A
[Power Supply or Interconnection Cord further types to EF11](#) 6003.0395