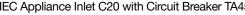
#### IEC Appliance Inlet C20 with Circuit Breaker TA45













70° C



- Panel Mount:

Screw-on version from front or rear side, snap-in version from front side

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
- 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.

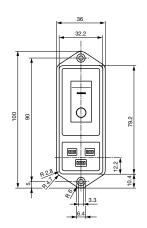
# **Technical Data**

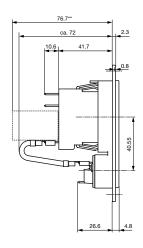
Ratings IEC	16A / 250 VAC; 50 Hz
Ratings UL/CSA	20 A / 125/250 VAC; 60 Hz
Dielectric Strength	> 1.5 kVAC between L-N > 3 kVAC between L/N-PE (1 min/50 Hz)
Allowable Operation Temp.	-10°C to 55°C
Degree of Protection	from front side IP 40 acc. to IEC 60529
Protection Class	Suitable for appliances with 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

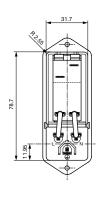
Appliance Inlet	C20 acc. to IEC 60320, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 16 A, Protection Class I
Circuit Breakers	Acc. IEC/EN 60934, UL 1077, CSA 22.2 no. 235 2-pole rocker switch, illuminated or non- illuminated. Optional with undervoltage- or remote trip release Short circuit capacity Icn: at In < 3A/240VAC: 10 x In at In ≥ 3A/240VAC: 300A
Line Switch	Rocker switch 2-pole, non-illuminated or illuminated, acc. to IEC 61058-1 Technical Details

## **Dimensions**

Screw-on mounting



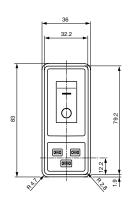


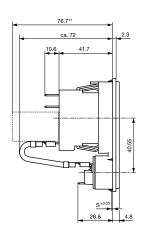


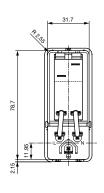


\*\* --- Version TA45 with undervoltage relaese

Snap-in mounting





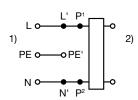




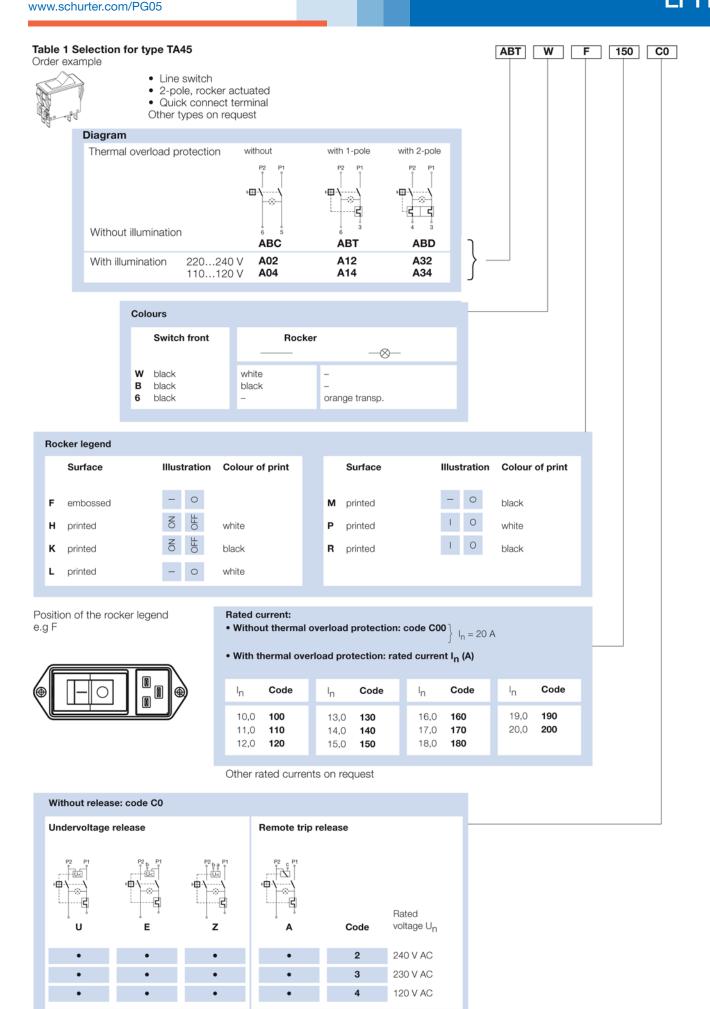
\*\*--- Version TA45 with undervoltage release

# **Diagrams**

Diagram

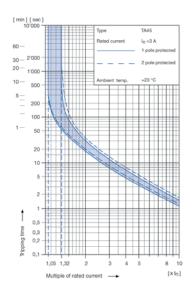


- 1) Line
- 2) Load

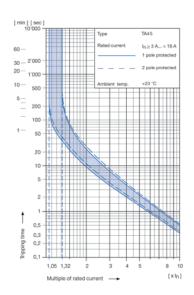


#### Technical data (continued) Circuit breaker

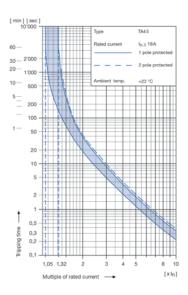
Tripping characteristics  $I_n < 3 A$ 



Tripping characteristics  $I_n \ge 3... < 18 A$ 



Tripping characteristics  $I_n \ge 18 A$ 



6,0 A

1,08

+40 °C

# 1) Effect of ambient temperature

The unit is calibrated for an ambient temperature of +23 °C. To determine the rated current for a lower or higher ambient temperature, use a correction factor from the table below:

* Ambient temperature [°C]	Correction factor
-10	0,89
- 5	0,91
0	0,92
+23	1,00

1,03

1,08

1,16

\* Temperature must be measured at the rear of the breaker next to the terminals after equipment operating temperature has been reached.

# 1) Example

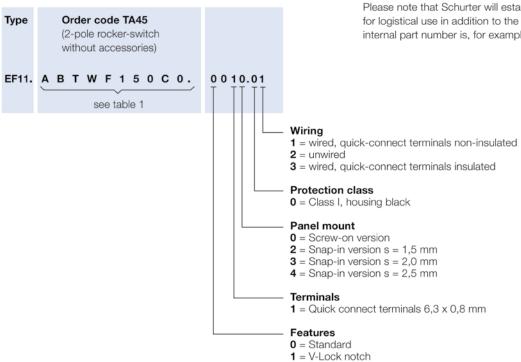
Rated current at +23 °C Ambient temperature Correction factor Chosen rated current at  $6 A \times 1,08 = 6,5 A$ +40 °C ambient temperature

## Order code for EF11 (order example)

+30

+40

+55



Please note that Schurter will establish an internal new part number for logistical use in addition to the order code. The format of this internal part number is, for example EF11.3103.0010.01

#### 16 Pcs Packaging unit

## **Accessories**

#### Description



**Assorted Covers** Rear Cover

0859.0109



Cord retaining kits Cord retaining strain relief

Flat head, Z	0888.0021
Flat head, H	4700.0008

# **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 EF11



## Power Supply Cord Overview complete

Cord Sets 10 A, North America, 3.0 m, Connector IEC C13, cord end:	4300.0920
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 EF11

# Power Supply or Interconnection Cord Overview complete

Kabelverbindung 16 A, diverse, 2.5 m, Connector IEC C19, cord end: 6003.0395	

Power Supply or Interconnection Cord further types to EF11

## **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 EF11

