

Circuit Breaker for Equipment thermal, Threaded neck type, Reset type, Quick connect terminals



See below:

**Approvals and Compliances**

**Description**

- Threaded neck type 6 mm
- Thermal circuit breaker
- 1-pole
- Reset type
- Quick connect terminals 6.3 x 0.8 mm

**Unique Selling Proposition**

- Compact design
- Positively trip-free release
- Available with cover
- Different mounting possibilities

**Applications**

- Power tools
- Household Equipment
- Power supplies and chargers
- Industrial appliances

**Weblinks**

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

**Technical Data**

Rated Voltage AC	AC 240 V: 50/60 Hz	Overload	IEC: min. 40 trips @ 6 x I <sub>r</sub> , cos φ 0.6
Rated Voltage DC	48 V		UL / CSA: min. 50 trips @ 1.5 x I <sub>r</sub> , cos φ 0.75
Rated current range AC	0.05 - 16 A	Allowable Operation Temp.	-5 °C to 60 °C
Conditional short circuit capacity	IEC: Inc, PC1, AC 240 V: 2 kA	Vibration Resistance	± 1.5 mm @ 10 - 60 Hz acc. to IEC 60068-2-6, test Fc 5 G @ 60 - 500 Hz acc. to IEC 60068-2-6, test Fc
Short circuit capacity I <sub>cn</sub>	at I <sub>n</sub> < 6.5 A/240 VAC : 8 x I <sub>n</sub> at I <sub>n</sub> ≥ 6.5 A/240 VAC : 96 A	Shock Resistance	100 G / 6ms acc. to IEC 60068-2-27, test Ea
Degree of Protection	from front side IP40 acc. to IEC 60529	Tripping Type	Thermal
Dielectric Strength	50Hz: > 1.5 kV Impulse 1.2/50 μs: > 2.5 kV	Actuation Type	Reset type
Insulation Resistance	500VDC > 100 MΩ	Weight	ca. 10g
Endurance typical	2 x I <sub>r</sub> : 500 switching cycles		
Endurance minimum	Reset type AC : 2 x I <sub>r</sub> , cos φ 0.6 : DC : 2 x I <sub>r</sub> , L/R = 2 - 3 ms : 50 switching cycles		

**Approvals and Compliances**

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

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

**Approvals**

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

Approval Reference Type: T11

Approval Logo	Certificates	Certification Body	Description
	<a href="#">VDE Approvals</a>	VDE	VDE Certificate Number: 99759
	<a href="#">UL Approvals</a>	UL	UL File Number: E71572
	<a href="#">CCC Approvals</a>	CCC	CCC Certificate Number: 2012010307564692

## Product standards

Product standards that are referenced

Organization	Design	Standard	Description
	Designed according to	IEC 60934	Circuit-breakers for equipment (CBE)
	Designed according to	UL 1077	Standard for Supplementary Protectors for Use in Electrical Equipment
	Designed according to	CSA C22.2 No. 235	Supplementary Protectors
	Designed according to	GB 17701	Circuit-breaker for equipment





## 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.

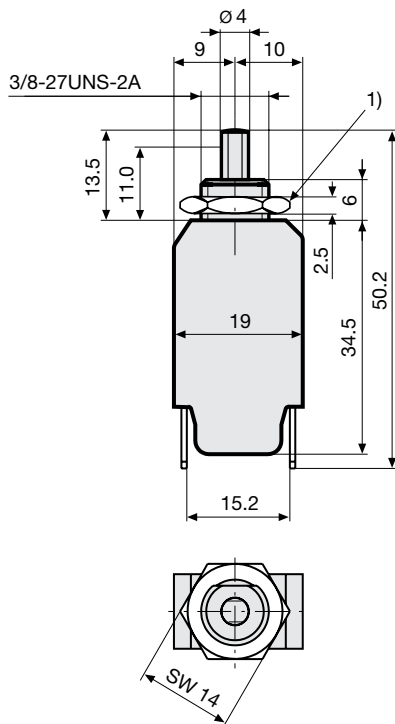
## Compliances

The product complies with following Guide Lines

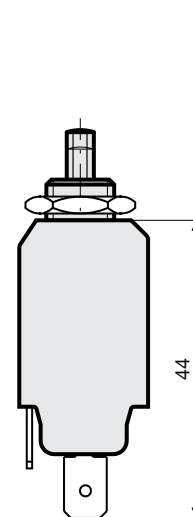
Identification	Details	Initiator	Description
	<a href="#">CE declaration of conformity</a>	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
	<a href="#">RoHS</a>	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/836
	<a href="#">China RoHS</a>	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.
	<a href="#">REACH</a>	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.

## Dimension [mm]

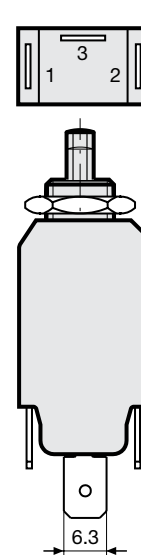
T11-211 ≤7,5A



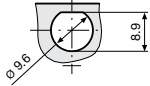
T11-211 >7,5A



T11-211N

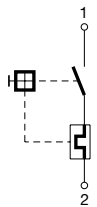


1) max. torque 0.6Nm

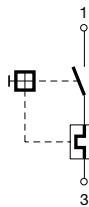


**Diagrams**

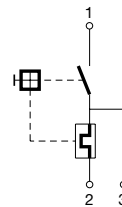
Rated current  $\leq 7,5$  A



Rated current  $>7,5$  A



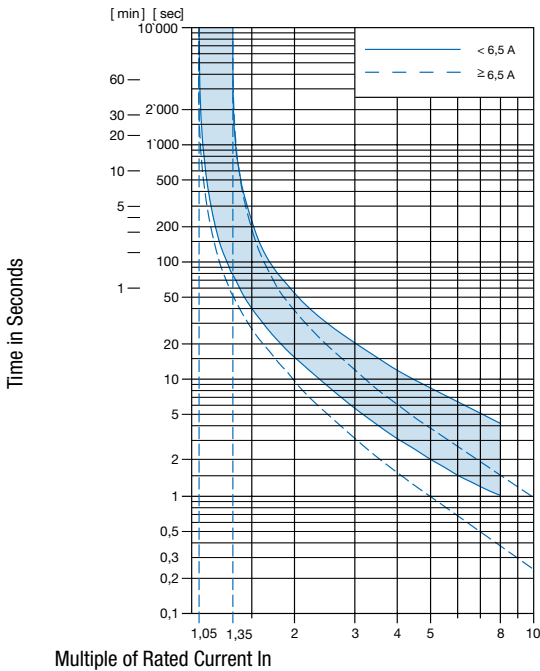
Shunt terminal T11-...N  $\leq 6,5$  A



**Typical internal resistance**

Rated Current [A]	Internal Resistance [ $\Omega$ ]
0.05	380.000
0.50	5.200
1.00	1.350
2.00	0.300
3.00	0.130
4.00	0.080
5.00	0.040
6.00	0.040
7.00	0.020
8.00	0.012
9.00	0.012
10.00	0.011
11.00	0.0095
12.00	0.0095
13.00	0.0085
14.00	0.0085
15.00	0.0075
16.00	0.0075

**Time-Current-Curves**



Reference Temperature +23°

**Effect of ambient temperature**

The units are calibrated for an ambient temperature of +23°C. To determine the rated current for a lower or higher ambient temperature, use a correction factor (typical value) from the table below:

Ambient Temperature [°C]	Correction factor
-5	0.87
0	0.90
+10	0.95
+23	1.00
+30	1.04
+40	1.10
+50	1.15
+60	1.20

Example: Rated current = 5 A, Environmental temperature = 40 °C, --> Correction factor = 1.1, Resulting current = 5.5 A --> Fount to next higher rated current: 6 A

**Config. Code**

T11 - 1 2 3 A B - 1.23

The characters are placeholders for the correspondingly keys of selections from the key tables.

T11 - **1** 2 3 A B - 1.23 = Mounting

Mounting	Configuration key	Terminal	Configuration key
Threaded neck type 6 mm	2	Quick connect terminal 6.3x0.8mm	1

T11 - 1 **2** 3 A B - 1.23 = Actuation Type

Actuation Type	Configuration key	Shunt terminal	Configuration key
Reset type	1	Shunt terminal	N

T11 - 1 2 **3** A B - 1.23 = Terminal

T11 - 1 2 3 A **B** - 1.23 = Setting indication

Setting indication	Configuration key	Rated current	Configuration key
Setting indication	R	2.1 A	2.1
		2.3 A	2.3
		2.5 A	2.5
		2.8 A	2.8
		3.0 A	3
		3.3 A	3.3
		3.5 A	3.5
		4.0 A	4
		4.5 A	4.5
		5.0 A	5
		5.5 A	5.5
		6.0	6
		6.5 A	6.5
		7.0 A	7
		7.5 A	7.5
		8.0 A	8
		8.5 A	8.5
		9.0 A	9
		9.5 A	9.5
		10.0 A	10
		11.0 A	11
		12.0 A	12
		13.0 A	13
		14.0 A	14
		15.0 A	15
		16.0 A	16
		Other rated currents on request	

Rated current	Configuration key
0.05 A	0.05
0.1 A	0.1
0.15 A	0.15
0.2 A	0.2
0.3 A	0.3
0.4 A	0.4
0.5 A	0.5
0.6 A	0.6
0.7 A	0.7
0.8 A	0.8
0.9 A	0.9
1.0	1
1.1 A	1.1
1.2 A	1.2
1.3 A	1.3
1.4 A	1.4
1.5 A	1.5
1.6 A	1.6
1.7 A	1.7
1.8 A	1.8
1.9 A	1.9
2.0 A	2

Other rated currents on request

T11 - 1 2 3 A B - 1.23 = Rated current

### Variants

Rated current	Construction variants		Config. Code	Order Number
	Shunt terminal	Setting indication		
1.0			T11-211-1	4400.0008
3.0 A			T11-211-3	4400.0010
0.8 A			T11-211-0.8	4400.0042
12.0 A			T11-211-12	4400.0052
1.5 A			T11-211-1.5	4400.0056

 Most Popular.

Availability for all products can be searched real-time: <https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>

**Packaging Unit** 100 Pcs

## Accessories

### Description



[T-Line Accessories](#)  
Accessories to T-Line