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

Description
- Threaded neck type 6 mm
- Thermal circuit breaker
- 1-pole
- Reset type
- Positively trip-free release
- Quick connect terminals 6.3 x 0.8 mm

Standards
- IEC 60934
- UL 1077
- CSA C22.2 235
- GB 17701

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

Weblinks
pdf-datasheet, html-datasheet, General Product Information, Approvals, CE declaration of conformity, RoHS, CHINA-RoHS, REACH, e-Shop, SCHURTER-Stock-Check, Distributor-Stock-Check, Detailed request for product, Product News
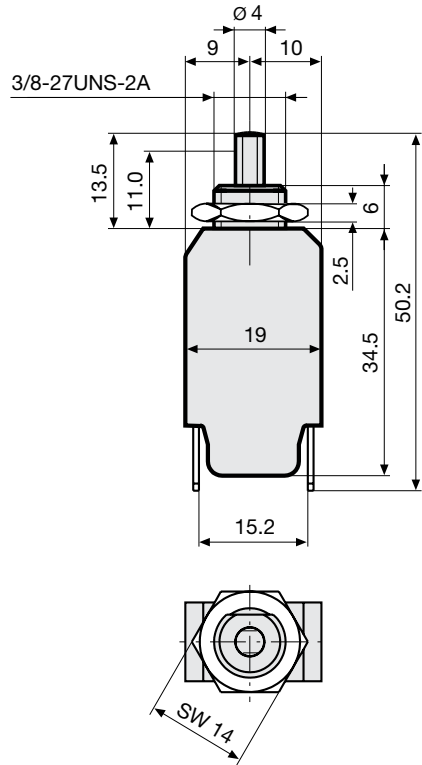
Technical Data

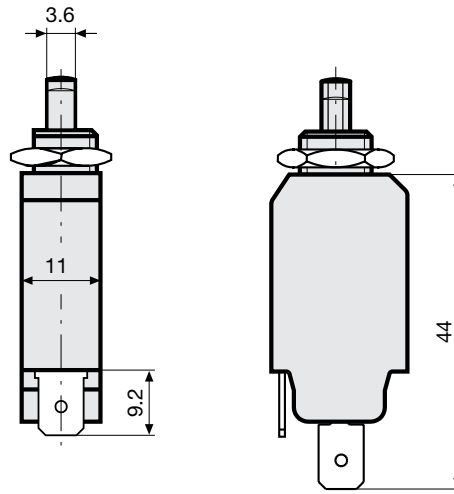|	
Rated Voltage AC	240 V; 50/60 Hz
Rated Voltage DC	48 V
Rated current range AC	0.05 - 16 A
Conditional short circuit capacity	IEC: Inc, PC1, AC 240V: 2kA
Short circuit capacity Icn	at In < 6.5 A/240 VAC : 8 x In
	at In ≥ 6.5 A/240 VAC : 96 A
Degree of Protection	from front side IP 40 acc. to IEC 60529
Dielectric Strength	50 Hz: > 1.5 kV
	Impulse 1.2/50 µs: > 2.5 kV
Insulation resistance	500 VDC > 100 MΩ
Endurance typical	2 x Ir: 500 switching cycles

Endurance minimum	Reset type
	  AC : 2 x Ir , cos φ 0.6 :
	  DC : 2 x Ir , L/R = 2 - 3 ms :
	  50 switching cycles

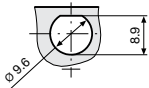|	
Overload	IEC: min. 40 trips @ 6 x Ir, cos φ 0.6
	UL / CSA: min. 50 trips @ 1.5 x Ir, cos φ 0.75
Ambient temperature	-5 °C to 60 °C
Vibration Resistance	± 1.5 mm @ 10 - 60 Hz acc. to IEC 60068-2-6, test Fc 5 G @ 60 - 500 Hz acc. to IEC 60068-2-6, test Fc
Shock Resistance	100 G / 6 ms acc. to IEC 60068-2-27, test Ea
Tripping Type	Thermal
Actuation type	Reset type
Weight	ca. 10 g

Dimension

T11-211 ≤7,5A

Ø 4

9   10

3/8-27UNS-2A

13.5
11.0
6
2.5
19
50.2
34.5

15.2

3.6

11

9.2

SW 14

Ø 9.6   8.9

T11-211 <7,5A

44

T11-211N
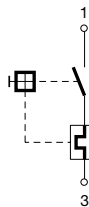
3
1   2

6.3
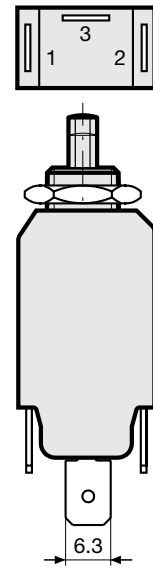
Diagrams

Rated current ≤7,5 A

1

2

Rated current >7,5 A

1

3
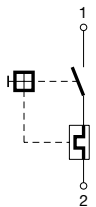
Shunt terminal T11-...N ≤6,5 A

1

2   3
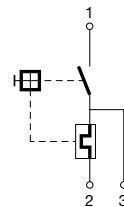
Typical internal resistance

Rated Current [A]	Internal Resistance [Ω]
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

Multiple of Rated Current In
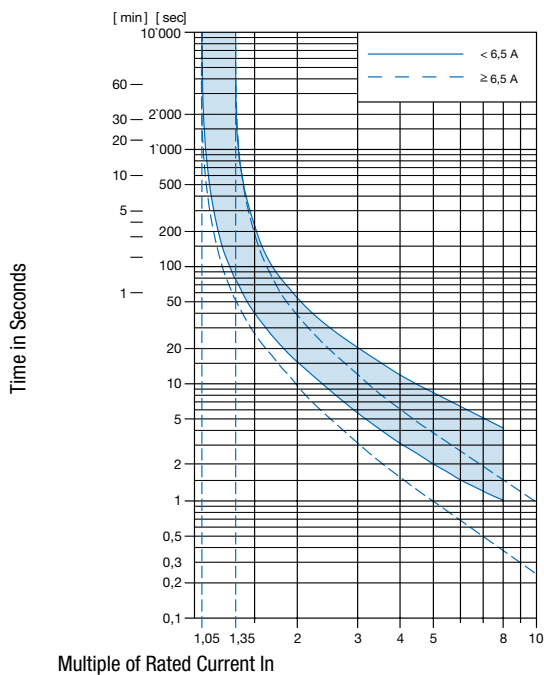
Reference Temperature +23°

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
Threaded neck type 6 mm	2

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

Actuation type	Configuration key
Reset type	1

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

Terminal	Configuration key
Quick connect terminal 6.3x0.8mm	1

T11 - 1 2 3 **A** B - 1.23 = **Shunt terminal**

Shunt terminal	Configuration key
Shunt terminal	N

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

Setting indication	Configuration key
Setting indication	R

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

Rated current	Configuration key
0.05 A	0.05
0.1 A	0.1
0.15 A	0.15
0.2 A	0.2

Other rated currents on request

Rated current	Configuration key
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
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

Other rated currents on request

Rated current	Configuration key
9.0 A	9
9.5 A	9.5
10.0 A	10
11.0 A	11
12.0 A	12

Other rated currents on request

Rated current	Configuration key
13.0 A	13
14.0 A	14
15.0 A	15
16.0 A	16

Other rated currents on request

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.

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Packaging Unit   1 Pcs

Accessories

Description

T-Linie Zubehör
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