

阅读申明

- 1.本站收集的数据手册和产品资料都来自互联网，版权归原作者所有。如读者和版权方有任何异议请及时告之，我们将妥善解决。
- 2.本站提供的中文数据手册是英文数据手册的中文翻译，其目的是协助用户阅读，该译文无法自动跟随原稿更新，同时也可能存在翻译上的不当。建议读者以英文原稿为参考以便获得更精准的信息。
- 3.本站提供的产品资料，来自厂商的技术支持或者使用者的心得体会等，其内容可能存在描述上的差异，建议读者做出适当判断。
- 4.如需与我们联系，请发邮件到marketing@iczoom.com，主题请标有“数据手册”字样。

Read Statement

1. The datasheets and other product information on the site are all from network reference or other public materials, and the copyright belongs to the original author and original published source. If readers and copyright owners have any objections, please contact us and we will deal with it in a timely manner.
2. The Chinese datasheets provided on the website is a Chinese translation of the English datasheets. Its purpose is for reader's learning exchange only and do not involve commercial purposes. The translation cannot be automatically updated with the original manuscript, and there may also be improper translations. Readers are advised to use the English manuscript as a reference for more accurate information.
3. All product information provided on the website refer to solutions from manufacturers' technical support or users the contents may have differences in description, and readers are advised to take the original article as the standard.
4. If you have any questions, please contact us at marketing@iczoom.com and mark the subject with "Datasheets" .

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



Description

- Threaded neck type
- 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

Standards

- Approval Reference Type: T12
- IEC 60934
- UL 1077
- CSA C22.2 No. 235
- GB 17701

Applications

- Power supplies
- Uninterruptible power supply
- Power tools
- Household appliances

Weblinks

[pdf datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Distributor-Stock-Check](#), [Detailed request for product](#), [Product News](#)

Technical Data

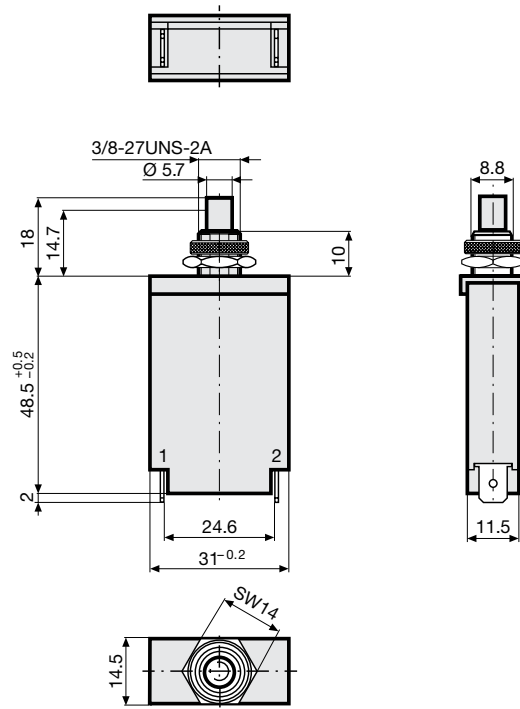
Rated Voltage AC	240 V; 50/60 Hz
Rated Voltage DC	28 V
Rated current range AC	0.05 - 15/16 A , see approbations
Conditional short circuit capacity	IEC: Inc, PC1, AC 240 V: 1 kA
Short circuit capacity Icn	at $I_n < 7 \text{ A}/240 \text{ VAC}$: 8 x I_n at $I_n \geq 7 \text{ A}/240 \text{ VAC}$: 200 A AC/DC 28 V : 400 A
Degree of Protection	from front side IP 40 acc. to IEC 60529
Dielectric Strength	50Hz: > 1.5 kV Impulse 1.2/50 μs : > 2.5 kV
Insulation Resistance	500VDC > 100 M Ω
Endurance typical	2 x I_r : 5000 switching cycles
Endurance minimum	Reset type AC : 2 x I_r , $\cos \phi$ 0.6 : DC : 2 x I_r , L/R = 2 - 3 ms : 50 switching cycles

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

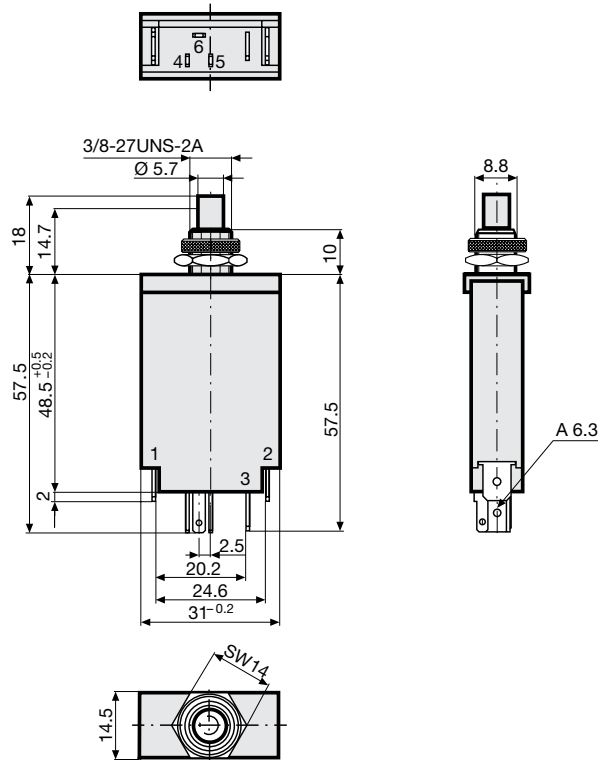
Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [General Product Information](#)

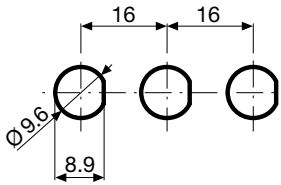
Dimension [mm]

T12-211



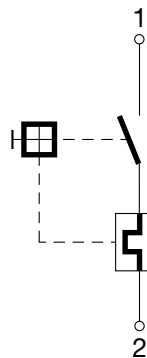
T12-211SN



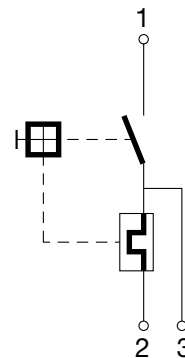


Diagrams

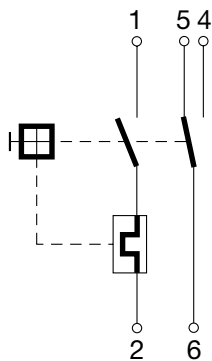
Tap 4,8 x 0,8 mm



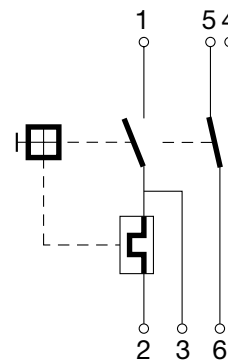
Tap 4,8 x 0,8 mm



Tap 4,8 x 0,8 mm



Tap 4,8 x 0,8 mm



Approval	Main circuit			Auxiliary circuit		
	Rated current	Rated voltage AC	Rated voltage DC	Rated current	Rated voltage AC	Rated voltage DC
UL 1077 CSA C22.2 No. 235	0.05...15 A	240 V	28 V	2 A 3 A	120 V -	- 28 V
CSA C22.2 No. 235	0.3...16 A	240 V	28 V	1 A	240 V	-
IEC 60934	0.05...16 A	240 V	28 V	1 A	240 V	28 V
GB 17701	0.05...16 A	240 V	28 V	1 A	240 V	28 V

Typical internal resistance

Rated Current [A]	Internal Resistance [Ω]
0.05	225.000
0.50	3.300
1.00	0.880
2.00	0.267
3.00	0.128
4.00	0.073
5.00	0.040
6.00	0.031
7.00	0.018
8.00	0.018
9.00	0.010
10.00	0.0087
11.00	0.0087
12.00	0.0087
13.00	0.0087
14.00	0.0070
15.00	0.0070
16.00	0.0055

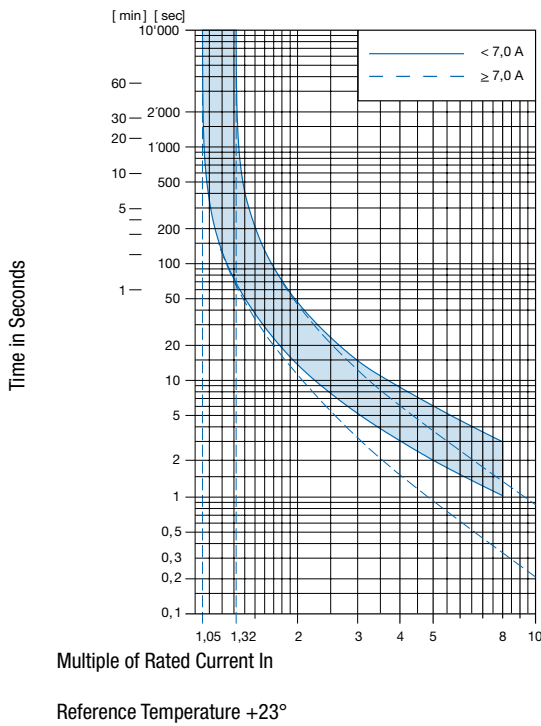
Effect of ambient temperature

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	1.05
40	1.12
50	1.20
60	1.30

Example: Rated current = 5 A; Environmental temperature = 50 °C; --> Correction factor = 1.2; Resulting current = 6.0 A

Time-Current-Curves



Config. Code

T12 - 1 2 3 A B C - 1.23

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

T12 - **1** 2 3 A B C - 1.23 = Mounting

Mounting	Configuration key
Threaded neck type with hexagonal- and knurled nut	2

T12 - 1 **2** 3 A B C - 1.23 = Actuation Type

Actuation Type	Configuration key
Reset type	1

T12 - 1 2 **3** A B C - 1.23 = Terminal

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

T12 - 1 2 3 **A** B C - 1.23 = Auxiliary contact

Auxiliary contact	Configuration key
Auxiliary contact	S

T12 - 1 2 3 A **B** C - 1.23 = Shunt terminal

Shunt terminal	Configuration key
Shunt terminal	N

T12 - 1 2 3 A B **C** - 1.23 = Setting indication

Setting indication	Configuration key
Setting indication	R

T12 - 1 2 3 A B C - **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
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

Other rated currents on request

Rated current	Configuration key
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

Other rated currents on request

Rated current	Configuration key
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

Variants

Rated current	Construction variants			Config. Code	Order Number
	Auxiliary contact	Shunt terminal	Setting indication		
12.0 A				T12-211-12	4410.0019
0.8 A	●			T12-211S-0.8	4410.0044
2.5 A	●			T12-211S-2.5	4410.0046
10.0 A				T12-211-10	4410.0106
6.5 A	●			T12-211S-6.5	4410.0264
1.0	●	●	●	T12-211SNR-1	4410.0655

Most Popular.

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

Packaging Unit 20 Pcs

Accessories

Description



T-Line Zubehör
Accessories to T-Line