



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Circuit Breaker for Equipment thermal, Snap-in type, Fuseholder style, 1 pole



### Description

- Snap-in type from front side (0.8...2.0mm)
- Thermal circuit breaker
- 1-pole
- On request available with elevated glow-wire ratings
- Quick connect terminals 6.3 x 0.8 mm

### Unique Selling Proposition

- Reset type
- Cycling trip-free release
- Compact design
- Different mounting possibilities

### Standards

- IEC 60934
- UL 1077
- CSA C22.2 No. 235
- GB 17701

### Applications

- Designed for standard and medical applications
- Power supplies
- Uninterruptible power supply
- Power tools
- Industrial appliances
- HVAC
- 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

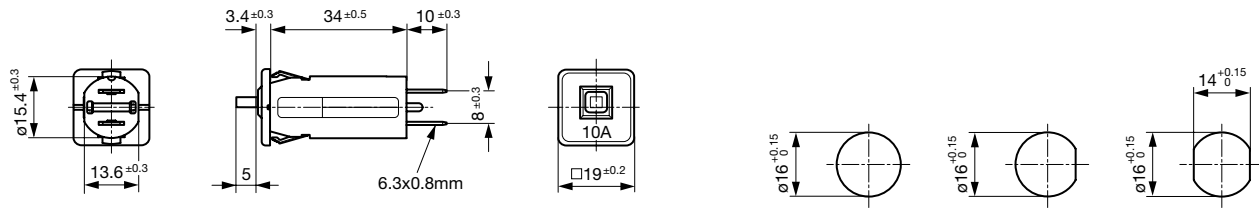
Rated Voltage AC	240 V, 50 / 60 Hz
Rated Voltage DC	48 / 32 V, see approvals
Rated current	3-16 A, see approvals
Conditional short circuit capacity	IEC: Inc, PC1, AC 240 V: 2 kA UL / CSA: SC, AC 240 V DC 48 / 32 V: 2 kA, C1
Degree of protection front side	IP 40
Endurance minimum	IEC: 200% I <sub>r</sub> , cos φ 0.6: min. 50 switching cycles
Endurance typical	3-8 A: 150% I <sub>r</sub> , cos φ 0.9: 2500 switching cycles 10-16 A: 150% I <sub>r</sub> , cos φ 0.9: 6000 switching cycles
Dielectric Strength	1500 VAC
Insulation resistance	500 VDC > 1000 MΩ

Ambient temperature	3 A: -5 °C to 60 °C
	4 A: -5 °C to 50 °C
	5-16 A: -5 °C to 60 °C
Weight	9 - 13 g





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

## Dimension

T9-611



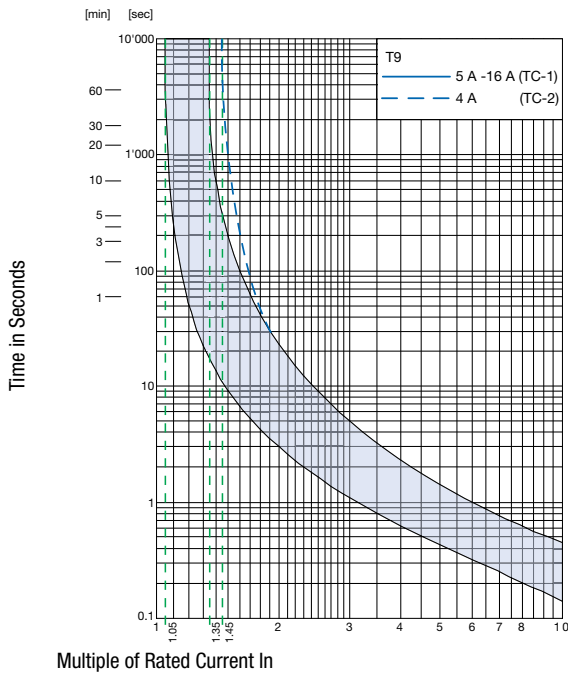
Panel thickness  $s = 0.8 - 2.0 \text{ mm}$

Approval		Rated current	Rated voltage AC	Rated voltage DC
 US	UL 1077	3 - 12 A 14 - 16 A	240 V 240 V	48 V 32 V
 US	CSA 22.2 235	3 - 12 A 14 - 16 A	240 V 240 V	48 V 32 V
	IEC 60934	3 - 12 A 14 - 16 A	240 V 240 V	48 V 32 V
	GB 17701	3 - 12 A 14 - 16 A	240 V 240 V	48 V 32 V

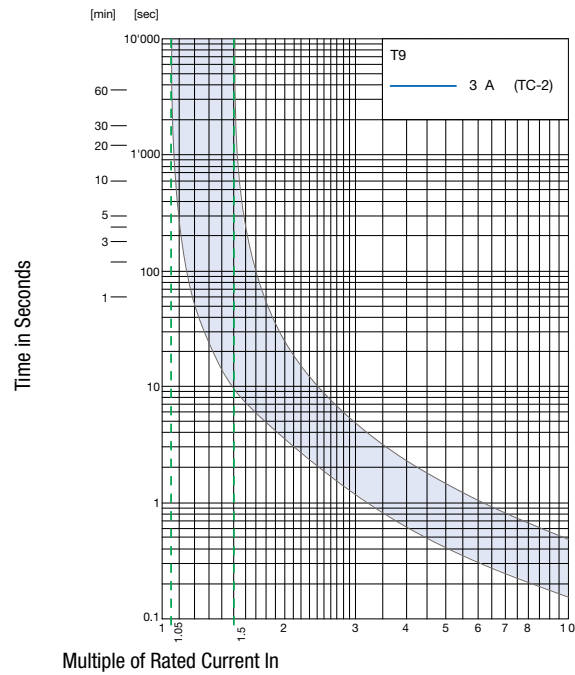
## Typical internal resistance

Rated Current [A]	Internal Resistance [mΩ]
3	65.0
4	21.6
5	23.6
6	16.3
7	15.3
8	12.9
10	7.3
12	7.0
14	4.8
15	4.3
16	3.9

**Time-Current-Curves**



Reference Temperature +23°



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	0,85
+10	0,95
+23	1,00
+40	1,08
+60	1,21

Example: Rated current = 10 A; Environmental temperature = 60 °C; --> Correction factor = 1.21; Resulting current = 12.1 A --> Fount to next higher rated current: 13 A

**Accessory**

Part Number	Type	Resources / Description
4404.0039	TZZ31	Protection cover for IP 65
4400.0420	TZZ11	Knurled nut nickel-plated
4400.0559	TZZ11-414	Knurled nut black
4400.0425	TZZ12	Additional hexagonal nut nickel-plated
4404.0072	TZZ51	Additional hexagonal nut PA 66

**Variants**

Mounting	Front printing	Rated current	Order Number
Snap-in mounting from front side	Rated current printed on front	3.0 A	4404.0018
Snap-in mounting from front side	Rated current printed on front	4.0 A	4404.0001
Snap-in mounting from front side	Rated current printed on front	5.0 A	4404.0007
Snap-in mounting from front side	Rated current printed on front	6.0	4404.0002
Snap-in mounting from front side	Rated current printed on front	7.0 A	4404.0009
Snap-in mounting from front side	Rated current printed on front	8.0 A	4404.0003

Mounting	Front printing	Rated current	Order Number
Snap-in mounting from front side	Rated current printed on front	10.0 A	4404.0004
Snap-in mounting from front side	Rated current printed on front	12.0 A	4404.0005
Snap-in mounting from front side	Rated current printed on front	14.0 A	4404.0008
Snap-in mounting from front side	Rated current printed on front	15.0 A	4404.0010
Snap-in mounting from front side	Rated current printed on front	16.0 A	4404.0006
Snap-in mounting from front side	Rated current printed on front 90° shifted	4.0 A	4404.0066
Snap-in mounting from front side	Rated current printed on front 90° shifted	5.0 A	4404.0067
Snap-in mounting from front side	Rated current printed on front 90° shifted	6.0	4404.0068
Snap-in mounting from front side	Rated current printed on front 90° shifted	8.0 A	4404.0069
Snap-in mounting from front side	Rated current printed on front 90° shifted	15.0 A	4404.0071
Snap-in mounting from front side	Rated current not printed on front	3.0 A	4404.0088
Snap-in mounting from front side	Rated current not printed on front	4.0 A	4404.0089
Snap-in mounting from front side	Rated current not printed on front	5.0 A	4404.0090
Snap-in mounting from front side	Rated current not printed on front	6.0	4404.0091
Snap-in mounting from front side	Rated current not printed on front	7.0 A	4404.0065
Snap-in mounting from front side	Rated current not printed on front	8.0 A	4404.0092
Snap-in mounting from front side	Rated current not printed on front	10.0 A	4404.0093
Snap-in mounting from front side	Rated current not printed on front	12.0 A	4404.0063
Snap-in mounting from front side	Rated current not printed on front	14.0 A	4404.0094
Snap-in mounting from front side	Rated current not printed on front	15.0 A	4404.0095
Snap-in mounting from front side	Rated current not printed on front	16.0 A	4404.0087

Most Popular.

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

**Packaging Unit** 100 Pcs