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
- Reset type
- Cycling trip-free release
- Quick connect terminals 6.3 x 0.8 mm

Standards

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

Characteristics

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

Weblinks

pdf-datasheet, html-datasheet, General Product Information, Approvals, RoHS, CHINA-RoHS, e-Shop, SCHURTER-Stock-Check, Distributor-Stock-Check, Detailed request for product

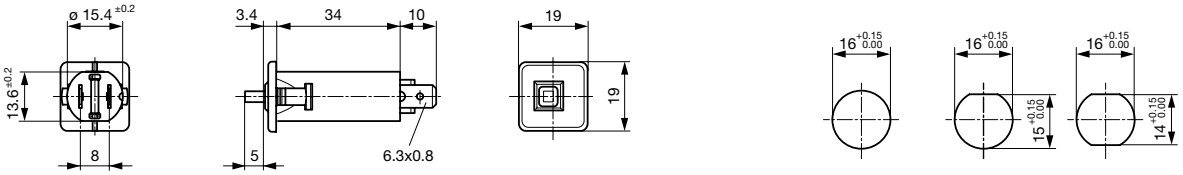
Technical Data

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

Ambient temperature 3 A	3 A: -5 °C to 60 °C
	4 A: -30 °C to 50 °C
	5-16 A: -30 °C to 60 °C
Weight	9 - 13 g

Dimensions

T9-611



Pannel thickness s = 0.8 - 2.0 mm

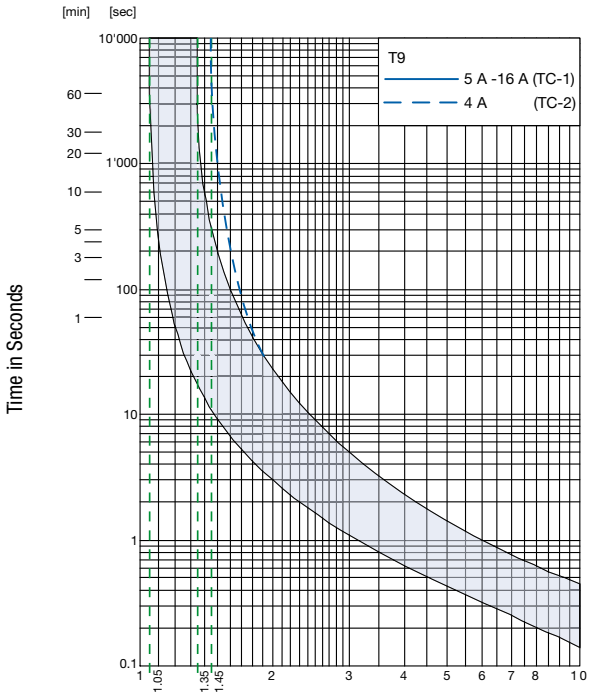
Typical internal resistance

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

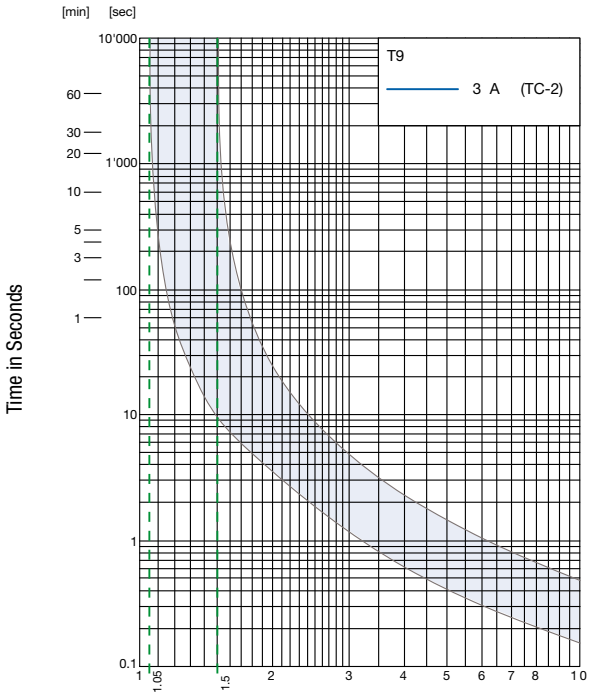
Approvals

Approval		Rated current	Rated voltage AC	Rated voltage DC
c UL us	UL 1077	3 - 12 A 14 - 16 A	240 V 240 V	48 V 32 V
c UL us	CSA 22.2 235	3 - 12 A 14 - 16 A	240 V 240 V	48 V 32 V
VDE	IEC 60934	3 - 12 A 14 - 16 A	240 V 240 V	48 V 32 V

Time-Current-Curves



Multiple of Rated Current In
Reference Temperature +23°



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

Example

Reated current at +23°C	10,0 A
Ambient temperature [°C]	+60°C
Correction factor	1,21
Chosen rated current at +60°C ambient temperature	10,0 A x 1.21 = 12.1 A

Variants

Mounting	Front printing	Rated Current	Order Number
Snap-in type front siden	Rated current printed on front	3A	4404.0018
Snap-in type front siden	Rated current printed on front	4A	4404.0001
Snap-in type front siden	Rated current printed on front	5A	4404.0007
Snap-in type front siden	Rated current printed on front	6A	4404.0002
Snap-in type front siden	Rated current printed on front	7A	4404.0009
Snap-in type front siden	Rated current printed on front	8A	4404.0003
Snap-in type front siden	Rated current printed on front	10A	4404.0004
Snap-in type front siden	Rated current printed on front	12A	4404.0005
Snap-in type front siden	Rated current printed on front	14A	4404.0008
Snap-in type front siden	Rated current printed on front	15A	4404.0010
Snap-in type front siden	Rated current printed on front	16A	4404.0006
Snap-in type front siden	Rated current not printed on front	3A	4404.0088
Snap-in type front siden	Rated current not printed on front	4A	4404.0089
Snap-in type front siden	Rated current not printed on front	5A	4404.0090
Snap-in type front siden	Rated current not printed on front	6A	4404.0091
Snap-in type front siden	Rated current not printed on front	7A	4404.0065
Snap-in type front siden	Rated current not printed on front	8A	4404.0092
Snap-in type front siden	Rated current not printed on front	10A	4404.0093
Snap-in type front siden	Rated current not printed on front	12A	4404.0063
Snap-in type front siden	Rated current not printed on front	14A	4404.0094
Snap-in type front siden	Rated current not printed on front	15A	4404.0095
Snap-in type front siden	Rated current not printed on front	16A	4404.0087

Packaging Unit

100 Pcs

Accessory

Part Number	Type	
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

11.03.2013

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments.