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

Approvals and Compliances

Description
- Snap-in type from front side (0.8...2.0mm)
- Thermal circuit breaker
- 1-pole
- On request available with elevaled 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

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

Weblinks
pdf datasheet, html-datasheet, General Product Information, 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 approbations
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% Ir, cos φ 0.6: min. 50 switching cycles
Endurance typical	3-8 A: 150% Ir, cos φ 0.9: 2500 switching cycles
	10-16 A: 150% Ir, 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

Approvals and Compliances

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

Approvals
The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.
Approval Reference Type: T9

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	VDE Certificate Number:
	UL Approvals	UL	UL File Number:
	CQC Approvals	CQC	CCC File Number:

Application standards

Application standards where the product can be used

| Organization	Design	Standard	Description
IEC	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technologyequipment.

Compliances

The product complies with following Guide Lines

Identification	Details	Initiator	Description
CE	CE declaration of conformity	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.
RoHS COMPLIANT	RoHS	SCHURTER AG	EU Directive RoHS 2011/65/EU
China RoHS	China RoHS	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.
REACH	REACH	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]

T9-611
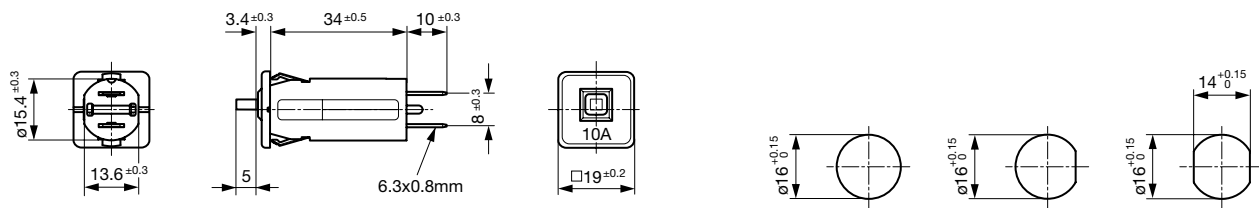
Pannel thickness s = 0.8 - 2.0 mm

Approval		Rated current	Rated voltage AC	Rated voltage DC
cULus	UL 1077	3 - 12 A 14 - 16 A	240 V 240 V	48 V 32 V
cULus	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
CCC	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
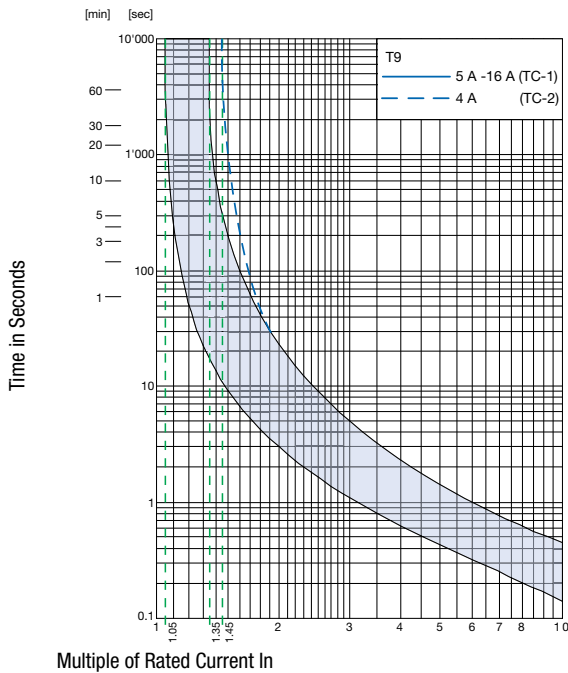
Multiple of Rated Current In

Reference Temperature +23°
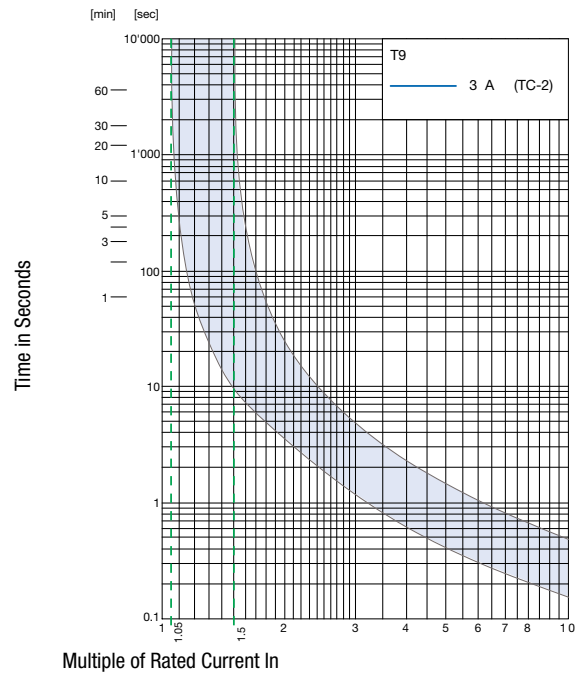
Multiple of Rated Current In

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: 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:https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER

Packaging Unit   100 Pcs

30.11.2017