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



See below:

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 data sheet, html datasheet, General Product Information, Distributor-Stock-Check, Detailed request for product, Product News

Technical Data

Rated Voltage AC	240 VAC
Rated Voltage DC	48/32 VDC
Rated current	3-16 A, see approbations
Conditional short circuit capa-	IEC 60934: PC1, AC 240 V: 2 kA
city Inc	
	UL / CSA: SC, AC 240 V DC 48 / 32 V:
	2 kA, C1
Degree of protection front side	IP40
Endurance minimum	IEC: 200% Ir, cos φ 0.6: min. 50 swit-
	ching cycles
Endurance typical	3-8 A: 150% lr, 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

Allowable Operation Temp.	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**

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

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
D VE →	VDE Approvals	VDE	VDE Certificate Number: 40038016
c FL °us	UL Approvals	UL	UL File Number: E71572
(3)	CCC Approvals	CCC	CCC Certificate Number: 2020970307003348

Product standards

Product standards that are referenced

Organization	Design	Standard	Description
<u>IEC</u>	Designed according to	IEC 60934	Circuit-breakers for equipment (CBE)
(I)	Designed according to	UL 1077	Standard for Supplementary Protectors for Use in Electrical Equipment
CSA Group	Designed according to	CSA C22.2 No. 235	Supplementary Protectors
(11)	Designed according to	GB 17701	Circuit-breaker for equipment

Application standards

Application standards where the product can be used

Organization	Design	Standard	Description
<u>IEC</u>	Designed for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements

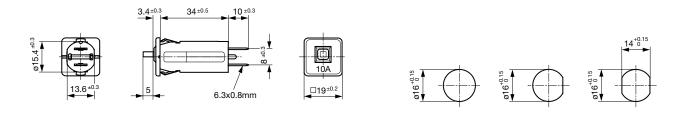
Compliances

The product complies with following Guide Lines

Identification	Details	Initiator	Description
C€	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.
UK CA	UKCA declaration of conformity	SCHURTER AG	The UKCA marking declares that the product complies with the applicable requirements laid down in the British Amendment of Regulation (EC) 765/2008.
ROHS	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
©	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



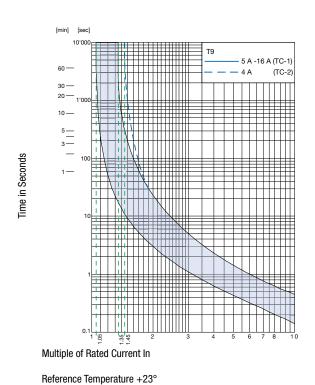
Pannel thickness s = 0.8 - 2.0 mm

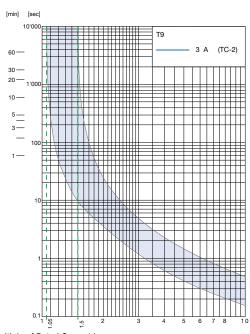
Approval		Rated current	Rated Voltage AC	Rated Voltage DC
c '\$11 °us	UL 1077	3 - 12 A 14 - 16 A	240 V 240 V	48 V 32 V
c FL °us	CSA 22.2 235	3 - 12 A 14 - 16 A	240 V 240 V	48 V 32 V
D V _E	IEC 60934	3 - 12 A 14 - 16 A	240 V 240 V	48 V 32 V
(W)	GB 17701	3 - 12 A 14 - 16 A	240 V 240 V	48 V 32 V

Typical internal resistance per pole

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

Time in Seconds

Reference Temperature +23°

Effect of ambient temperature

The units are calibrated for an ambient temperature of $+23^{\circ}$ 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 = $60\,^{\circ}$ C, --> Correction factor = 1.21, Resulting current = 12.1 A --> Fount to next higher rated current: 13 A

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	
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	A 0.8	4404.0069	
Snap-in mounting from front side	Rated current printed on front 90° shifted	10.0 A	4404.0059	
Snap-in mounting from front side	Rated current printed on front 90° shifted	12.0 A	4404.0061	
Snap-in mounting from front side	Rated current printed on front 90° shifted	16.0 A	4404.0062	
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