

Special Fuse, 14.3 x 51 mm, 500 VAC, 250 VDC



DTCN · 500 VAC · 250 VDC

See below:

[Approvals and Compliances](#)**Description**

- High breaking capacity

Weblinks

[pdf datasheet](#), [html-datasheet](#), [General Product Information](#), [Packaging details](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

Technical Data

Rated Voltage	500 VAC, 250 VDC
Rated current	1 - 25 A
Breaking Capacity	100 kA
Admissible Ambient Air Temp.	-40 °C to 85 °C
Climatic Category	40/085/21 acc. to IEC 60068-1
Material: Tube	Ceramic
Unit Weight	25 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	Type, Rated current, Rated Voltage

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 134485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

Approvals

The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.

Approval Reference Type:

Approval Logo	Certificates	Certification Body	Description
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NNO			
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Application standards

Application standards where the product can be used

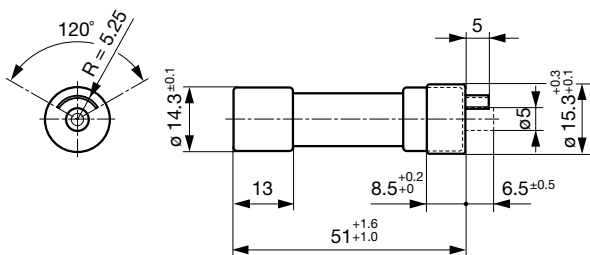
Organization	Design	Standard	Description
	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technology equipment.

Compliances

The product complies with following Guide Lines

Identification	Details	Initiator	Description
	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.
	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	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.

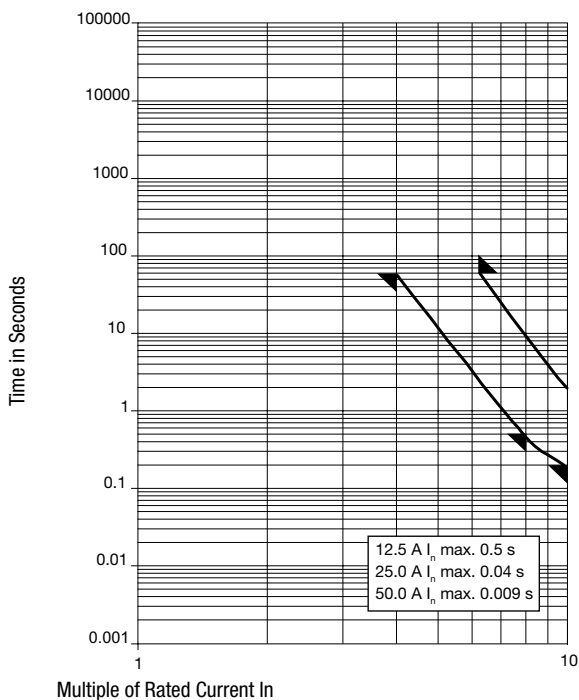
Dimension [mm] 



Pre-Arcing Time

Rated Current In	4.0 x In min.	6.3 x In max.	8.0 x In min.	10.0 x In min.	12.5 x In max.	25.0 x In max.	50.0 x In max.
1 A - 25 A	60 s	60 s	500 ms	200 ms	500 ms	40 ms	9 ms

Time-Current-Curves



All Variants

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Breaking Capacity	Voltage Drop 1.0 In typ. [mV]	Order Number
1	500	250	1)	110	● 7020.9110
1.6	500	250	1)	80	● 7020.9120
2.5	500	250	1)	70	● 7020.9130
5	500	250	1)	75	● 7020.9140
12.5	500	250	1)	70	● 7020.9160
20	500	250	1)	75	● 7020.9170

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

1) 100 kA @ 500 VAC , p.f. ≥ 0.15 / 10 kA @ 50 VDC , L/R < 10 ms

Packaging Unit Small Box Pack (10 pcs.)