SUT-H 6.3x32

Cartridge Fuse, 6.3x32 mm, up to 50 A, high melting I²t



UL 248-14 · 250 VAC · 100 VDC · Time-Lag T

See below:
Approvals and Compliances

Description
- Robust 6.3x32 fuse for high power and inrush current requirements

Unique Selling Proposition
- High I²t at high breaking capacity rating
- Current Range up to 50 A

Applications
- Single-phase high current applications up to 50 A

References
Pigtail Type SUT-H 6.3x32 Pigtail
Corresponding Fuseholder FUA; FUL; FUP; FXP

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

Technical Data

Rated Voltage	250 VAC/ 100 VDC
Rated current	10 - 50 A
Breaking Capacity	500 A - 10 kA
Characteristic	Time-Lag T
Admissible Ambient Temp.	-40 °C to 85 °C
Climatic Category	40/085/21 acc. to IEC 60068-1
Material: Tube	Ceramics
Material: Endcaps	Nickel-Plated Brass
Material: Filler	Sand
Unit Weight	2.8 g
Storage Conditions	0 °C to 50 °C, max. 70% r.h.
Product Marking	, Type, Rated current, Rated Voltage, Certification marks

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.

Approvals

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

Approval Reference Type: SUT-H

Approval Logo	Certificates	Certification Body	Description
c UL us	UL Approvals	UL	UR File Number: E184831

Product standards

Product standards that are referenced

Organization	Design	Standard	Description
UL	Designed according to	UL 248-14	Low voltage fuses - Part 14: Supplemental fuses
CSA Group	Designed according to	CSA22.2 No. 248.14	Low-Voltage Fuses - Part 14: Supplemental Fuses

Application standards

Application standards where the product can be used

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

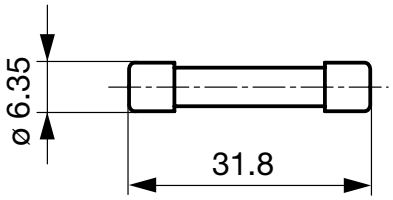
Compliances

The product complies with following Guide Lines

Identification	Details	Initiator	Description
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.
UKCA	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
50	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]

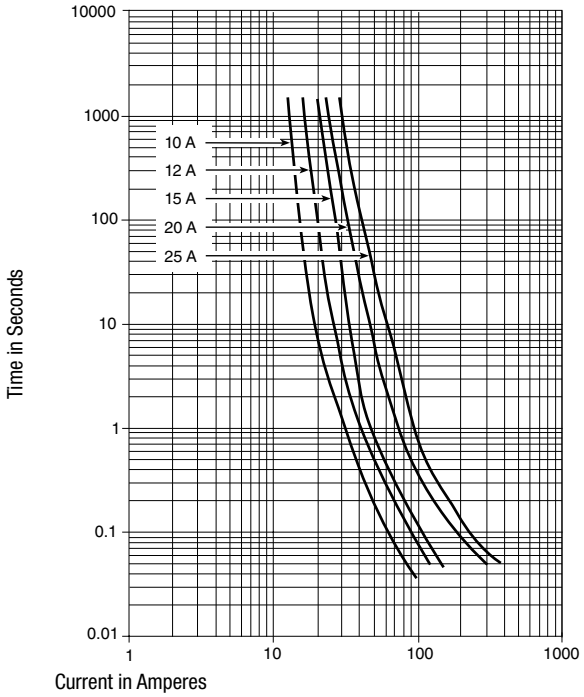
6.3 mm

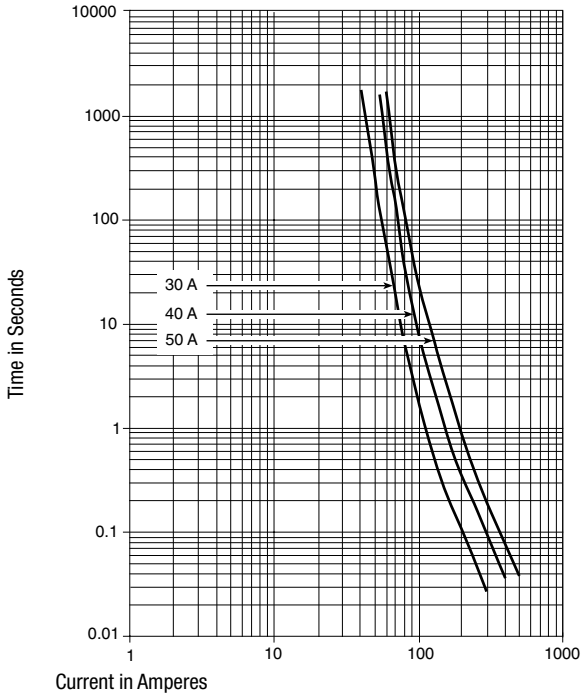


Pre-Arcing Time

Rated Current In	1.35 x In max.	2.0 x In min.	2.0 x In max.
10 A - 50 A	60 min	5 s	60 s

Time-Current-Curves





Variants

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Breaking Capacity	Voltage Drop 1.0 I_n typ. [mV]	Power Dissipation 1.0 I_n typ. [mW]	Melting I^2t 10.0 I_n typ. [A^2s]	cULus	Order Number
10	250	100	1)	142	1420	364	●	8020.0602.H
12	250	100	1)	114	1368	788	●	8020.0603.H
15	250	100	1)	116	1739	1058	●	8020.0604.H
20	250	100	1)	111	2213	3540	●	8020.0605.H
25	250	100	1)	99	2476	5275	●	8020.0606.H
30	250	100	1)	109	3258	2475	●	8020.0607.H
40	250	80	2)	100	3998	5867	●	8020.0608.H
50	250	70	3)	96	4810	9908	●	8020.0609.H

Availability for all products can be searched real-time: https://www.schurter.com/en/info-center/support-tools/stock-check-distributors

1) 500A @ 250VAC, cosφ = 0.7-0.8 / 10kA @ 125VAC , cosφ = 0.7-0.8 / 500A @ 100VDC, τ <= 3ms

2) 500A @ 250VAC, cosφ = 0.7-0.8 / 10kA @ 125VAC , cosφ = 0.7-0.8 / 500A @ 80VDC, τ <= 3ms

3) 500A @ 250VAC, cosφ = 0.7-0.8 / 10kA @ 125VAC , cosφ = 0.7-0.8 / 500A @ 70VDC, τ <= 3ms

Packaging Unit

xxxx.xxxx.H	Small Box Pack (10 pcs.)
xxxx.xxxx.H.G	Bulk (1000 pcs.)

01.09.2025

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.