### Subminiature Fuse, 8.5 mm, Time-Lag T, Telecom, 250 VAC, 63 VDC



IEC 60127-3 · 250 VAC · Time-Lag T

#### See below: Approvals and Compliances

#### Applications

- xDSL and ADSL linecards and modems

### References

Packaging Details Corresponding Fuseholder Last order date: 31.12.2016 We recommend for new applications the type MST 250 MST 250 is fully compatible to MSU 250

#### Weblinks

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

Technical Data	
Rated Voltage	250 VAC, 63 VDC
Rated current	0.25 - 3.15A
Breaking Capacity	35A - 50A
Characteristic	Time-Lag T
Mounting	PCB,THT
Admissible Ambient Air Temp.	-40 °C to 85 °C
Climatic Category	40/085/21 acc. to IEC 60068-1
Material: Housing	Thermoplastic, UL 94V-0
Material: Terminals	Tin-Plated Copper
Unit Weight	0.53 g
Storage Conditions	0°C to 40°C, max. 70% r.h.
Product Marking	Type, Rated current, Rated Voltage, Characteristic, Certification marks

Soldering Methods	Wave Soldering Profile
Solderability	235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta
Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb
Case Resistance	acc. to EIA/IS-722, Test 4.7 $>$ 100 M $\Omega$ (between leeds and body)
Flammability	UL 94V-0 (acc. to EIA/IS-722, Test 4.12)
Current Carrying Capacity	acc. to EIA/IS-722, Test 4.3.3
Moisture Resistance Test	(acc. to EIA/IS-722, Test 4.4.3)
Vibration, High Frequency	MIL-STD-202, Method 204 Condition D
Mechanical Shock	(acc. to EIA/IS-722, Test 4.9)
Resistance to Solvents	MIL-STD-202, Method 215
Terminal Strength	Tensile load min. 9 N (acc. to EIA/IS-722, Test 4.5.1)

#### **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.

# MSU 250

#### Approvals

The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products. Approval Reference Type: MSU 250

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	VDE Certificate Number: 40013529
c <b>AL</b> us	UL Approvals	UL	UL File Number: E41599
(	CCC Approvals	CCC	CCC Certificate Number: 2003010207100519
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#### **Product standards**

Product standards that are referenced

Organization	Design	Standard	Description
(UL)	Designed according to	UL 248-14	Low voltage fuses - Part 14: Additional fuses
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.	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technology equipment.

#### Compliances

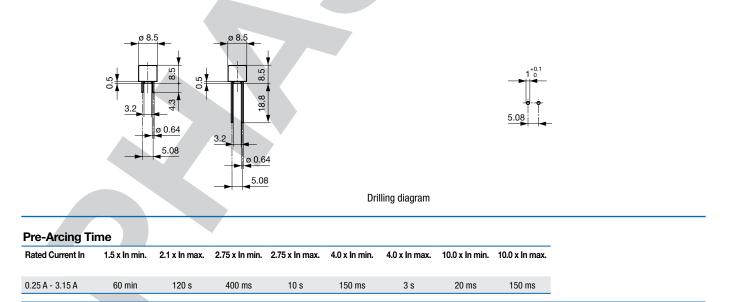
The product complies with following Guide Lines

	0		
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	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/836
<b>©</b>	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.

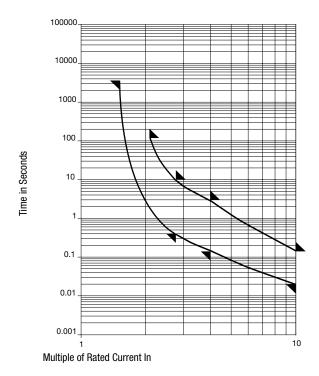
#### **Dimension** [mm]

8.5 mm



# **MSU 250**

#### **Time-Current-Curves**



#### **All Variants**

Rated Cur- rent [A]	Rated Vol- tage [VAC]	Voltage Drop 1.0 I <sub>n</sub> typ. [mV]	Power Dissi- pation 1.5 I <sub>n</sub> typ. [mW]	Melting I²t 10.0 I <sub>n</sub> typ. [A²s]	GR-1089- CORE [A]	UL60950	ITU - Lightning Surge[A]	ITU - Power Induc-	ITU - Power Contact[A]	S	L	T Order Numl	ber
0.25	250	120	80	0.6	> 14.0		25.3	•	35.0	•		2040.0609	
0.315	250	120	100	0.8	> 14.0		29.2	•	35.0	٠		2040.0610	
0.4	250	110	100	1.1	> 14.0		39.5	•	35.0	•		2040.0611	
0.5	250	100	100	2.5	> 14.0		57	٠	35.0	٠		2040.0612	
0.63	250	90	100	4	> 14.0		67	•	35.0	•		2040.0613	
0.8	250	80	200	8	> 14.0	•	67	٠	35.0	٠		2040.0614	
1	250	70	200	12	> 14.0	•	67	•	35.0	•		2040.0615	
1.25	250	70	300	15	> 14.0	•	67	٠	35.0	٠		2040.0616	
1.6	250	60	300	30	> 14.0	•	67	•	50.0	•		2040.0617	
2	250	60	300	34	> 14.0	٠	67	•	50.0	٠		2040.0618	
2.5	250	50	400	55	> 14.0	•	67	•	50.0	•		2040.0619	
3.15	250	50	500	76	> 14.0	•	67	•	50.0	•		2040.0620	
0.25	250	120	80	0.6	> 14.0		25.3	•	35.0		•	2040.0709	
0.315	250	120	100	0.8	> 14.0		29.2	•	35.0		•	2040.0710	
0.4	250	110	100	1.1	> 14.0		39.5	•	35.0		•	2040.0711	
0.5	250	100	100	2.5	> 14.0		57	٠	35.0		•	2040.0712	
0.63	250	90	100	4	> 14.0		67	•	35.0		•	2040.0713	
0.8	250	80	200	8	> 14.0	•	67	٠	35.0		•	2040.0714	
1	250	70	200	12	> 14.0	•	67	٠	35.0		•	2040.0715	
1.25	250	70	300	15	> 14.0	•	67	٠	35.0		•	2040.0716	
1.6	250	60	300	30	> 14.0	•	67	•	50.0		•	2040.0717	
2	250	60	300	34	> 14.0	•	67	٠	50.0		•	2040.0718	
2.5	250	50	400	55	> 14.0	•	67	٠	50.0		•	2040.0719	
3.15	250	50	500	76	> 14.0	٠	67	٠	50.0		•	2040.0720	
0.25	250	120	80	0.6	> 14.0		25.3	٠	35.0			• 2040.0809	
0.315	250	120	100	0.8	> 14.0		29.2	٠	35.0			• 2040.0810	
0.4	250	110	100	1.1	> 14.0		39.5	•	35.0			• 2040.0811	

Rated Cur- rent [A]	Rated Vol- tage [VAC]	Voltage Drop 1.0 I <sub>n</sub> typ. [mV]	Power Dissi- pation 1.5 I <sub>n</sub> typ. [mW]	Melting l <sup>2</sup> t 10.0 l <sub>n</sub> typ. [A <sup>2</sup> s]	GR-1089- CORE [A]	UL60950	ITU - Lightning Surge[A]	ITU - Power Induc-	ITU - Power Contact[A]	S	L	т	Order Number
0.5	250	100	100	2.5	> 14.0		57	•	35.0			•	2040.0812
0.63	250	90	100	4	> 14.0		67	•	35.0			•	2040.0813
0.8	250	80	200	8	> 14.0	•	67	٠	35.0			•	2040.0814
1	250	70	200	12	> 14.0	•	67	٠	35.0			•	2040.0815
1.25	250	70	300	15	> 14.0	•	67	٠	35.0			•	2040.0816
1.6	250	60	300	30	> 14.0	•	67	٠	50.0			•	2040.0817
2	250	60	300	34	> 14.0	•	67	٠	50.0			•	2040.0818
2.5	250	50	400	55	> 14.0	•	67	٠	50.0			•	2040.0819
3.15	250	50	500	76	> 14.0	•	67	•	50.0			•	2040.0820

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

IEC: 35 A @ 250 VAC

UL: 35 A @ 250 VAC / 50 A @ 63 VDC

			7	
Packaging Unit	S = L = T =	Plastic Bag (100 pcs.) Bulk (100 pcs.) Taped 36 cm Reel (750 pcs.)		

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 SS-5F-3.15A-AP
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 3701630000
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 0473004.MAT1L
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 SR-5H-800MA-APH
 0034.722
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 883217G
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 0263.750HAT1L
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