

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 - 3.15 A
Breaking Capacity	35 A - 50 A
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 MΩ (between leads 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.

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

VDE Approvals

UL Approvals

CCC Approvals

Certification Body

VDE

UL

CCC

Description

VDE Certificate Number: 40013529

UL File Number: E41599

CCC Certificate Number: 2003010207100519

Product standards

Product standards that are referenced

Organization



Design

Designed according to

Designed according to

Standard

UL 248-14

CSA22.2 No. 248.14

Description

Low voltage fuses - Part 14: Additional fuses

Low-Voltage Fuses - Part 14: Supplemental Fuses

Application standards

Application standards where the product can be used

Organization



Design

Designed for applications acc.

Standard

IEC/UL 60950

Description

IEC 60950-1 includes the basic requirements for the safety of information technology equipment.

Compliances

The product complies with following Guide Lines

Identification



Details

CE declaration of conformity

RoHS

China RoHS

REACH

Initiator

SCHURTER AG

SCHURTER AG

SCHURTER AG

SCHURTER AG

Description

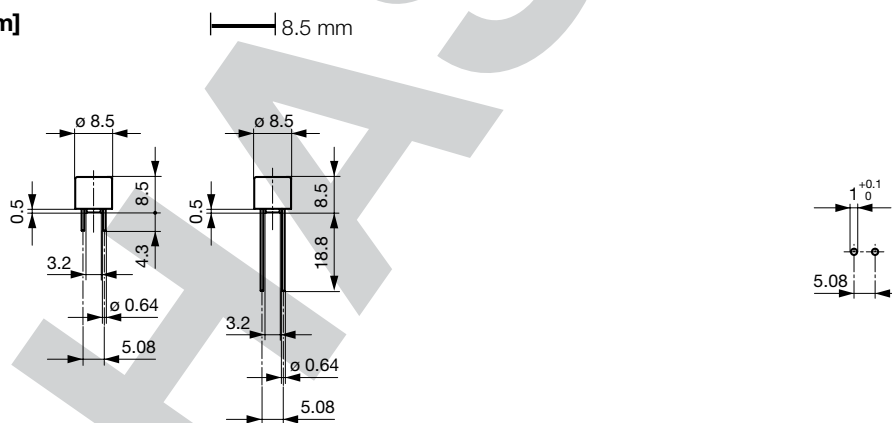
The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.

Directive RoHS 2011/65/EU, Amendment (EU) 2015/836

The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.

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]

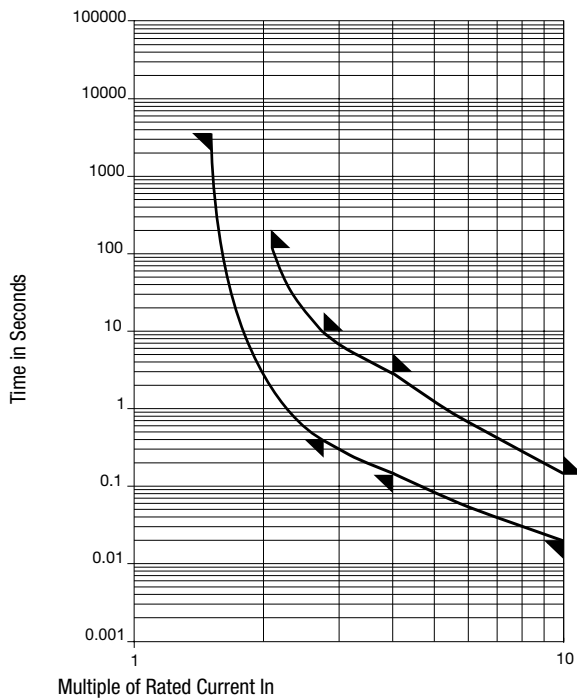


Drilling diagram

Pre-Arcing Time

Rated Current In	1.5 x In min.	2.1 x In max.	2.75 x In min.	2.75 x In max.	4.0 x In min.	4.0 x In max.	10.0 x In min.	10.0 x In max.
0.25 A - 3.15 A	60 min	120 s	400 ms	10 s	150 ms	3 s	20 ms	150 ms

Time-Current-Curves



All Variants

Rated Current [A]	Rated Voltage [VAC]	Voltage Drop 1.0 I _n typ. [mV]	Power Dissipation 1.5 I _n typ. [mW]	Melting I ² t 10.0 I _n typ. [A ² s]	GR-1089-CORE [A]	UL60950	ITU - Lightning Surge [A]	ITU - Power Induc-	ITU - Power Contact [A]	S	L	T	Order Number
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	●			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	●	35.0	●			2040.0612
0.63	250	90	100	4	> 14.0		67	●	35.0	●			2040.0613
0.8	250	80	200	8	> 14.0	●	67	●	35.0	●			2040.0614
1	250	70	200	12	> 14.0	●	67	●	35.0	●			2040.0615
1.25	250	70	300	15	> 14.0	●	67	●	35.0	●			2040.0616
1.6	250	60	300	30	> 14.0	●	67	●	50.0	●			2040.0617
2	250	60	300	34	> 14.0	●	67	●	50.0	●			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	●	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	●	35.0		●		2040.0714
1	250	70	200	12	> 14.0	●	67	●	35.0		●		2040.0715
1.25	250	70	300	15	> 14.0	●	67	●	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	●	50.0		●		2040.0718
2.5	250	50	400	55	> 14.0	●	67	●	50.0		●		2040.0719
3.15	250	50	500	76	> 14.0	●	67	●	50.0		●		2040.0720
0.25	250	120	80	0.6	> 14.0		25.3	●	35.0			●	2040.0809
0.315	250	120	100	0.8	> 14.0		29.2	●	35.0			●	2040.0810
0.4	250	110	100	1.1	> 14.0		39.5	●	35.0			●	2040.0811

Rated Current [A]	Rated Voltage [VAC]	Voltage Drop 1.0 I _n typ. [mV]	Power Dissipation 1.5 I _n typ. [mW]	Melting I ² t 10.0 I _n typ. [A²s]	GR-1089-CORE [A]	UL60950	ITU - Lightning Surge[A]	ITU - Power Induc-	ITU - Power Contact[A]	S	L	T	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	●	35.0			●	2040.0814
1	250	70	200	12	> 14.0	●	67	●	35.0			●	2040.0815
1.25	250	70	300	15	> 14.0	●	67	●	35.0			●	2040.0816
1.6	250	60	300	30	> 14.0	●	67	●	50.0			●	2040.0817
2	250	60	300	34	> 14.0	●	67	●	50.0			●	2040.0818
2.5	250	50	400	55	> 14.0	●	67	●	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

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