



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Midget Fuse, 10.3 x 38 mm, 1000 VDC, Photovoltaic, gPV

new



Standard

PCB version

1000VDC · gPV



Description

- Meets the new UL and IEC photovoltaic standards
- UL Recognized for 1000 VDC
- High breaking capacity of 20 kA @ 1000 VDC
- Low min. interrupting rating of 1.35 x In
- Meets the requirements of IEC 61730-2 for PV module safety

Standards

- IEC 60269-6
- UL 2579

Approvals

- VDE Certificate Number: 40033592
- UL File Number: E345791

Applications

- All photovoltaic applications
- Inverters
- Battery charge controllers
- In-line protection
- String fuses


References

Corresponding Fuseholder [FSO](#); [CSO](#); [231660](#)
Corresponding Cover [ESO 10.3x38](#)

Weblinks

[pdf datasheet](#), [html-datasheet](#), [General Product Information](#), [Packaging details](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Distributor-Stock-Check](#), [Accessories](#), [Detailed request for product](#)

Technical Data

Rated Voltage	1000VDC
Rated current	1 - 30A
Breaking Capacity	20kA
Characteristic	gPV
Mounting	Insert, PCB/THT
Admissible Ambient Air Temp.	-50 °C to 125 °C
Unit Weight	8.3 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	 Type, Rated current, Rated Voltage, Breaking Capacity, Characteristic, Approvals

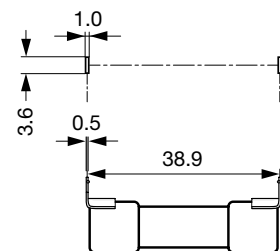
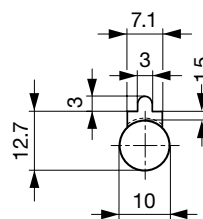
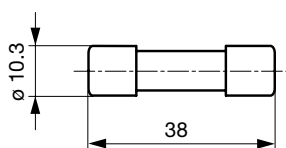
Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [General Product Information](#)

Dimension

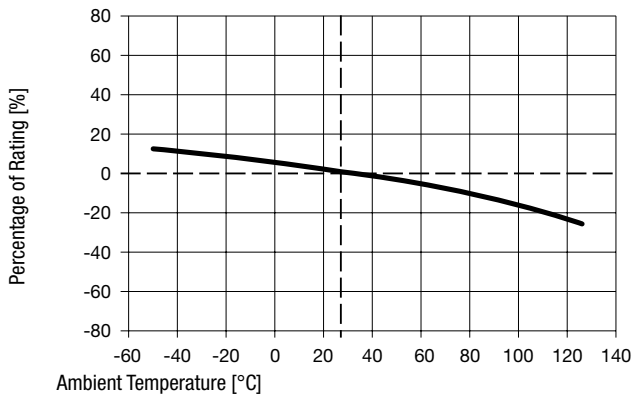
Standard

10.3 mm

Panel cut-out for front mounting



Derating Curves

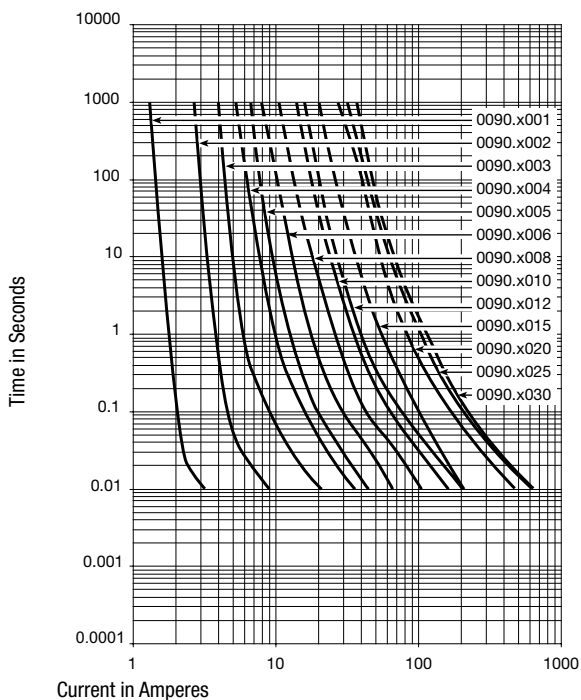


Pre-Arcing Time

Rated Current I_n $1.0 \times I_n$ min. $1.13 \times I_n$ min. $1.35 \times I_n$ max. $1.45 \times I_n$ max. $2.0 \times I_n$ max.



1 A - 30 A	60 min	60 min	60 min	60 min	4 min
------------	--------	--------	--------	--------	-------

Time-Current-Curves



All Variants

Rated Current [A]	Mounting	Rated Voltage [VDC]	Breaking Capacity	Power Dissipation $1.0 I_n$ typ. [mW]	Melting I^2t 20 kA typ. [A ² s]			Order Number
1	Standard	1000	1)	602	0.554	●	●	0090.0001
2	Standard	1000	1)	1586	4.755	●	●	0090.0002
3	Standard	1000	1)	1504	7.882	●	●	0090.0003
4	Standard	1000	1)	1491	23.03	●	●	0090.0004
5	Standard	1000	1)	1465	42.6	●	●	0090.0005
6	Standard	1000	1)	1348	80.25	●	●	0090.0006
8	Standard	1000	1)	1610	199	●	●	0090.0008

Rated Current [A]	Mounting	Rated Voltage [VDC]	Breaking Capacity	Power Dissipation 1.0 I _n typ. [mW]	Melting I ² t 20 kA typ. [A ² s]			Order Number
10	Standard	1000	1)	1760	401	●	●	0090.0010
12	Standard	1000	1)	1965	642	●	●	0090.0012
15	Standard	1000	1)	1914	505	●	●	0090.0015
20	Standard	1000	1)	2810	1313	●	●	0090.0020
25	Standard	1000	1)	2981	2371	●	●	0090.0025
30	Standard	1000	1)	3923	2679	●	●	0090.0030
1	PCB	1000	1)	602	0.554	●	●	0090.1001
2	PCB	1000	1)	1586	4.755	●	●	0090.1002
3	PCB	1000	1)	1504	7.882	●	●	0090.1003
4	PCB	1000	1)	1491	23.03	●	●	0090.1004
5	PCB	1000	1)	1465	42.6	●	●	0090.1005
6	PCB	1000	1)	1348	80.25	●	●	0090.1006
8	PCB	1000	1)	1610	199	●	●	0090.1008
10	PCB	1000	1)	1760	401	●	●	0090.1010
12	PCB	1000	1)	1965	642	●	●	0090.1012
15	PCB	1000	1)	2282	505	●	●	0090.1015
20	PCB	1000	1)	2810	1313	●	●	0090.1020
25	PCB	1000	1)	2981	2371	●	●	0090.1025
30	PCB	1000	1)	3923	2679	●	●	0090.1030

Most Popular.

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

1) 20 kA @ 1000 VDC, L/R < 2ms

Packaging Unit	Standard version	Bulk (10 pcs.)
	PCB version	Bulk (100 pcs.)

Zubehör

Description



ESO 10.3x38
Fuse Inserter/Extractor with Cover Function for 10.3x38 mm Fuses in Clips, Patent Pending