ASO 10.3x38

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

new



Standard



PCB version

1000 VDC · 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
- Approval Reference Type: ASO 10.3x38
- 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

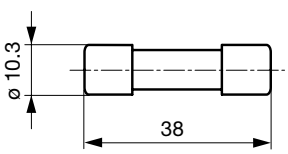
Rated Voltage	1000 VDC
Rated current	1 - 30 A
Breaking Capacity	20 kA
Characteristic	gPV
Mounting	Insert, PCB/THT
Admissible Ambient Air Temp.	-50 °C to 125 °C
Unit Weight	8.3 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	⊟, Type, Rated current, Rated Voltage, Breaking Capacity, Characteristic,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

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

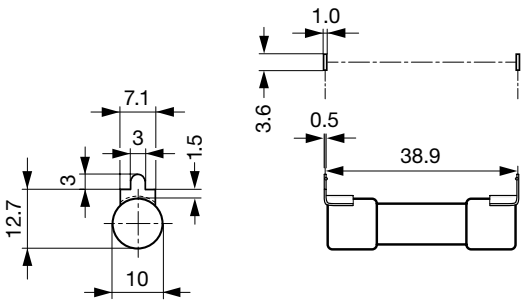
Dimension [mm]

10.3 mm

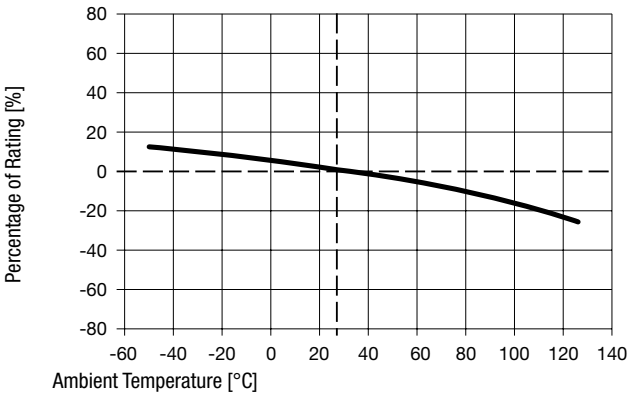
Standard



Panel cut-out for front mounting



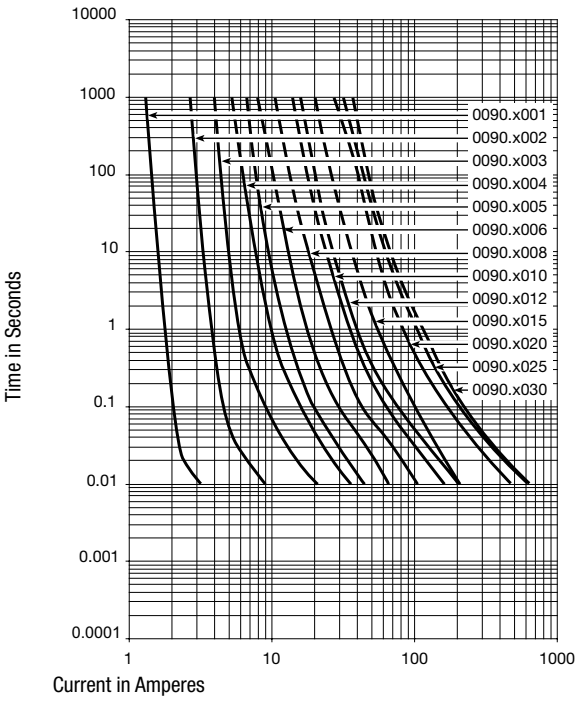
Derating Curves



Pre-Arcing Time

Rated Current In	1.0 x In min.	1.13 x In min.	1.35 x In max.	1.45 x In max.	2.0 x In 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^2s]	VDE	UL	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^2t 20 kA typ. [A^2s]	VDE	UL	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:https://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

10.3 x 38 mm, IP 20	0853.1250
10.3 x 38 mm, IP 20	0853.1251

27.10.2017

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.