

MICRO2™ Blade Fuses



MICRO2™ Sn
(Tin plated) Blade Fuses

MICRO2™ Blade Fuses Rated 32V

The MICRO2™ Fuse is the new standard for vehicle circuit protection. Its sub-miniature design meets the need for more circuits to be protected while utilizing less space and its ability to cope with high temperatures in adverse environments makes the MICRO2™ Fuse of recommended choice for protection. Black ampere stamps are used on the 20A & 25A / light colored housings to improve contrast for vision system inspection.

Specifications

	MICRO2 (Silver Plated)	MICRO2 Sn (Tin Plated)
Voltage Rating:	32 VDC	32 VDC
Interrupting Ratings:	1000A @ 32 VDC	1000A @ 32 VDC
*Recommended Environmental Temperature:	-40°C to +125°C	-40°C to +125°C
Terminals Material:	Silver plated zinc alloy	Tin plated zinc alloy
Housing Material:	PA66 (U.L. 94 Flammability rating – V2)	PA66 (U.L. 94 Flammability rating – V2)
Net Weight Per Fuse:	0.53±5% gr	0.53±5% gr
Complies with:	SAE 2741, ISO 8820-12:2020	

*Tin plating's temperature limit is ≈130°C. Silver plating allows up to 150°C at the terminal interface.

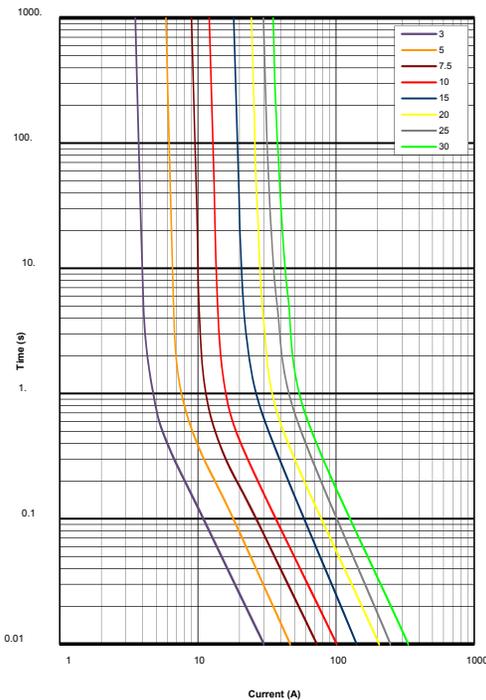
RoHS

Ordering Information

Time-Current Characteristics

Part Number	Rating	Package Size	% of Rating	Opening Time Min / Max (s)
MICRO2 (Silver Plated)			110	360,000 / ∞
0327xxx.YX2S	3-30	4000	135	0.75 / 120
0327xxx.UXS	3-30	500	160	0.3 / 50
0327xxx.LXS	3-30	50	200	0.15 / 5
MICRO2 (Tin Plated)			350	0.04 / 0.5
0327xxx.YX2T	5-30	4000	600	0.02 / 0.1

Time-Current Characteristic Curves



Ratings

Part Number	Current Rating (A)	Housing Material Color	Test Cable Size (mm ²)	Typ. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	Typ. I ² t (A ² s)
0327003_	3 (*)		0.35	113	31.7	9
0327005_	5		0.5	116	17.4	17
032707.5_	7.5		0.75	106	10.8	47
0327010_	10		1	102	7.7	90
0327015_	15		1.5	94	4.9	190
0327020_	20		2.5	91	3.5	400
0327025_	25		2.5	90	2.6	580
0327030_	30		4	88	2.1	1,000

* 3 A rating is available only as Silver Plated version

The typical I²t is an average value calculated from the breaking capacity tests by using the melting time before the arcing occurs.

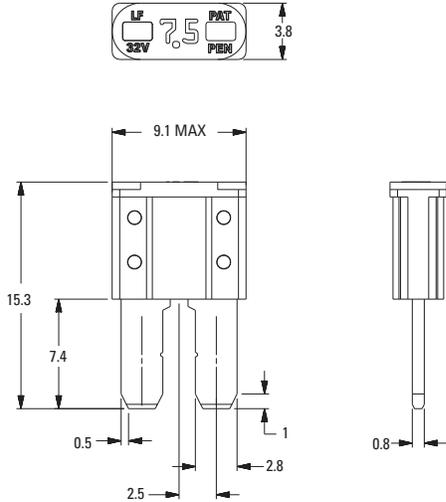
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Dimensions

Dimensions in mm for reference only.
See outline drawing for dimensions and tolerances.



Temperature Table

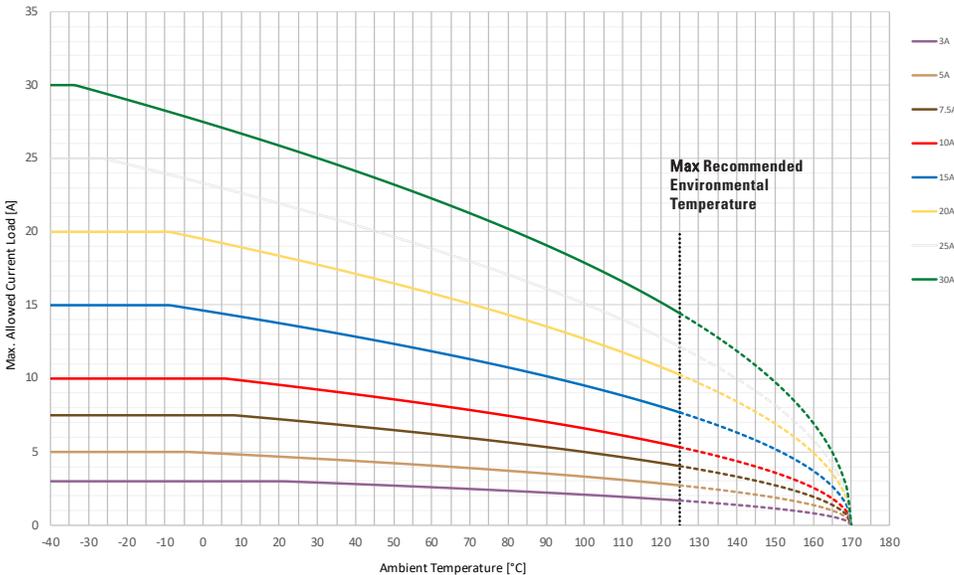
	max. allowed current load [A] at ambient temperature (typical derating)						
	-40°C	0°C	20°C	65°C	85°C	110°C	125°C
3A	3	3	3	3	2	2	2
5A	5	5	5	4	4	3	3
7.5A	7.5	7.5	7	6	5	5	4
10A	10	10	10	8	7	6	5
15A	15	15	14	12	10	9	8
20A	20	20	18	15	14	12	10
25A	25	23	22	18	17	14	12
30A	30	27	26	22	20	17	14

Typical Derating Of Fuse Melting Element

Temperature Security Margin is 20%

Wire Cross Section And Fixture Test Set Up Refer To ISO 8820-12

Please Contact Littelfuse® For Details Regarding Derating Test Set Up



Derating curves may change depending on the final condition of the application (terminals characteristics, wire size exc.). Please ask Littelfuse® for more information.

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