

MICRO3™ Series

Blade Fuses – Rated 32V

REACH

RoHS

Pb



Description

MICRO3™ automotive blade fuses feature three silver-plated blades and two fuse elements while also boasting subminiature design. This allows automakers to pack more circuit protection into less space. Despite their low weight, MICRO3™ fuses perform well in adverse environments and at extreme temperatures.

Features & Benefits

- High-contrast amperage stamp on the top of the housing aids identification
- Checkpoints on top make it possible to measure resistance without removing the fuse
- Color coding indicates amperage rating for each fuse
- MICRO3™ Shunt version available
- See-through housings make it easier to see when fuses blow
- Silver plating allows up to 150 °C at the terminal interface
- Simple to install and remove
- Comply with ISO 8820-13

Applications

- Cars / SUVs
- Buses
- Trucks
- Watercraft as approved by Littelfuse®
- Offroad vehicles

Additional Information



Resources



Samples

See Disclaimer Notice

Specifications

Voltage Rating:	32 V DC
Interrupting Rating:	1000 A @ 32 V DC
Recommended Environmental Temperature:	–40 °C to +125 °C
Terminals Material:	Silver-plated zinc alloy *
Housing Material:	PA66 (UL 94 Flammability rating of V-2)
Typical Weight per Fuse:	0.95 g
Comply With:	SAE 2741
Refer to:	ISO 8820-13

*Note: Silver plating allows up to 150 °C at the terminal interface.







Ordering Information

Part Number	Plating	Current Rating (A)	Package Size
0337xxx.PX2S	Ag	3 – 15 & SHUNT	2000
0337xxx.LXS	Ag	3 – 15	50

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Ratings

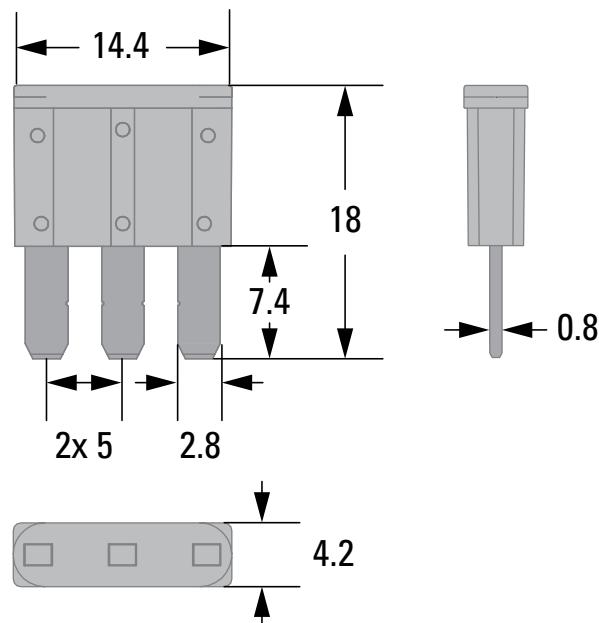
Part Number	Current Rating (A)	Housing Material Color	Test Cable Size (mm ²)		Typ. Voltage Drop (mV) ¹	Typ. Cold Resistance (mΩ) ¹	Typ. I ² t (A ² s) ¹
			Left/Right blade	Center blade			
0337003_	3		0.5	1	113	31.7	9
0337005_	5		0.5	1	116	17.4	17
0337075_	7.5		0.75	1.5	106	10.8	47
0337010_	10		1	2.5	102	7.7	90
0337015_	15		1.5	4	94	4.9	190
0337900_	SHUNT		-	-	-	-	-

¹ The indicated values refer to the two elements tested separately.

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

Dimensions

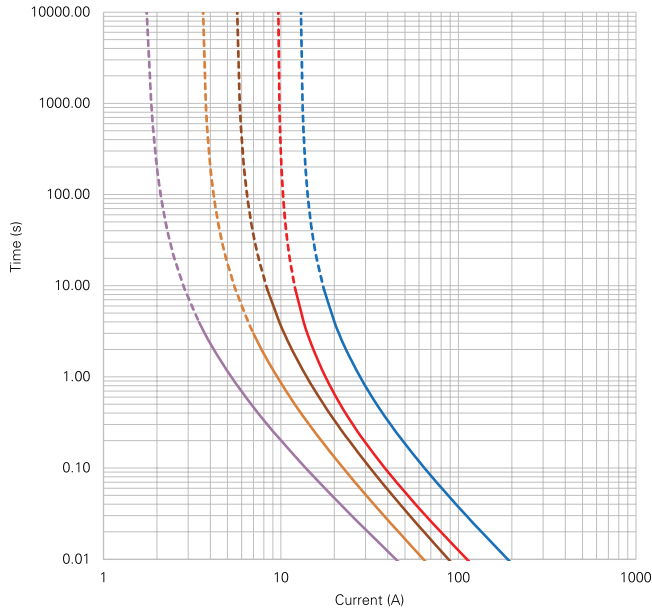
Dimensions in mm. Please refer to the outline drawing for dimensions and tolerances.



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Time-Current Characteristic



% of Rating	Opening Time Min. / Max. (s) ¹
110	360 000 / -
135	0.75 / 120
160	0.3 / 50
200	0.15 / 5
350	0.04 / 0.5
600	0.02 / 0.1

— 3 A
 — 5 A
 — 7.5 A
 — 10 A
 — 15 A

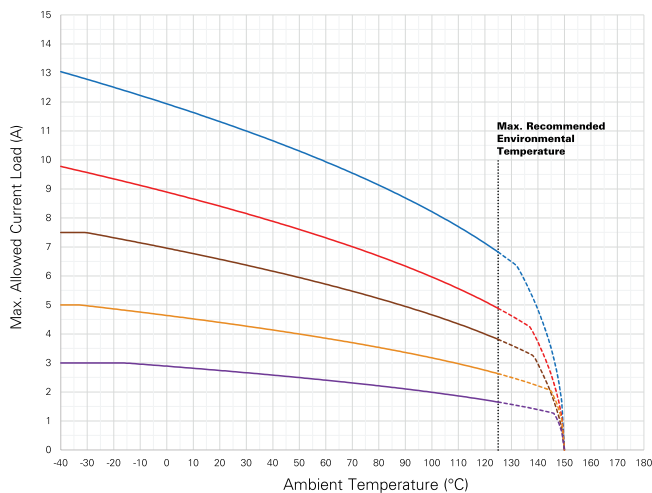
Note: Current recommendation may be impacted by the final condition of the application (terminals characteristics, wire size etc.). Please contact Littelfuse® for more information.

Typical Derating Curves

Temperature security margin is 20%.

The derating curves are created with both elements supplied at the same time.

Please contact Littelfuse® for Details Regarding Derating Test Set Up.



	Max. allowed current load (A) at ambient temperature based on typical derating						
	-40 °C	0 °C	20 °C	65 °C	85 °C	110 °C	125 °C
3 A	3	3	3	3	2	2	2
5 A	5	5	5	4	4	3	3
7.5 A	7.5	7.5	7	6	5	5	4
10 A	10	10	10	8	7	6	5
15 A	15	15	14	12	10	9	8

— 3 A
 — 5 A
 — 7.5 A
 — 10 A
 — 15 A

Note 1: MICRO3 SHUNT maximum continuous load at 85°C: 15A.

Note 2: Current recommendation may be impacted by the final condition of the application (terminals characteristics, wire size etc.). Please contact Littelfuse® for more information.

Disclaimer Notice - Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and may not be used in, all applications. Read complete Disclaimer Notice at <https://www.littelfuse.com/legal/disclaimers/product-disclaimer.aspx>