

MICRO3™ Blade Fuses

Rated 32V



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

- Color coding shows the amperage rating for each fuse
- See-through housing makes it easy to check whether a fuse has blown
- Checkpoints on top make it possible to measure resistance without removing the fuse
- Simple to install and remove
- MICRO3™ Shunt version available
- High-contrast amperage stamp on the top of the housing aids identification.
- Silver plating allows up to 150 °C at the terminal interface

Applications

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

See Disclaimer Notice

Additional Information



Resources

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 8820-3

*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

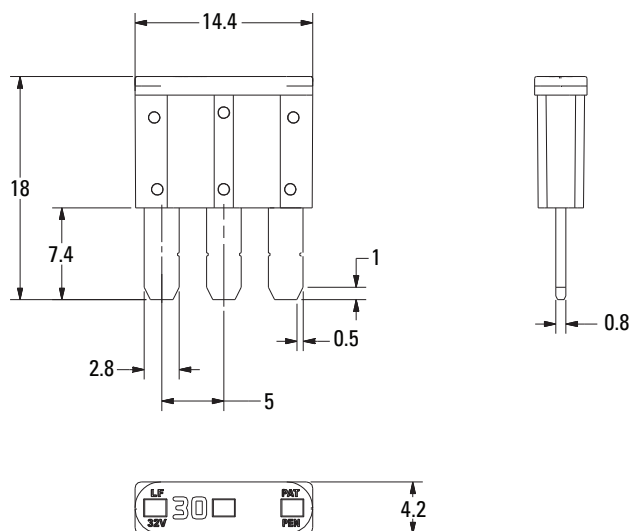
Part Number	Current Rating (A)	Housing Material Color	Test Cable Size (mm ²)		Typ. Voltage Drop (mV) ¹	Typ. Cold Resistance (mΩ) ¹	Typ. I^2t (A ² -s) ¹
			Left/Right blade	(Center blade)			
0337003._	3		0.5	1	113	31.7	9
0337005._	5		0.5	1	116	17.4	17
033707.5._	7.5		0.75	1.5	106	10.8	47
0337010._	10		1	2.5	102	7.7	90
0337015._	15		1.5	4	94	4.9	190
0337900._	SHUNT		-	-	-	-	-

Note: The typical I^2t is an average value calculated from the breaking capacity tests by using the melting time before the arcing occurs.

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

Dimensions

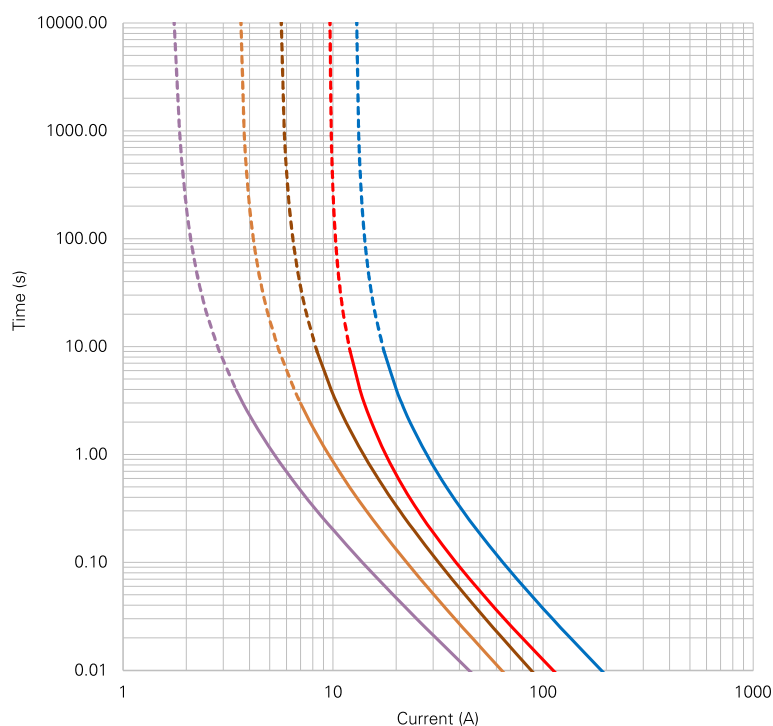
Dimensions in mm. Please refer to the outline drawing for dimensions and tolerances.



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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

1: Operating times refer to the two elements tested separately.

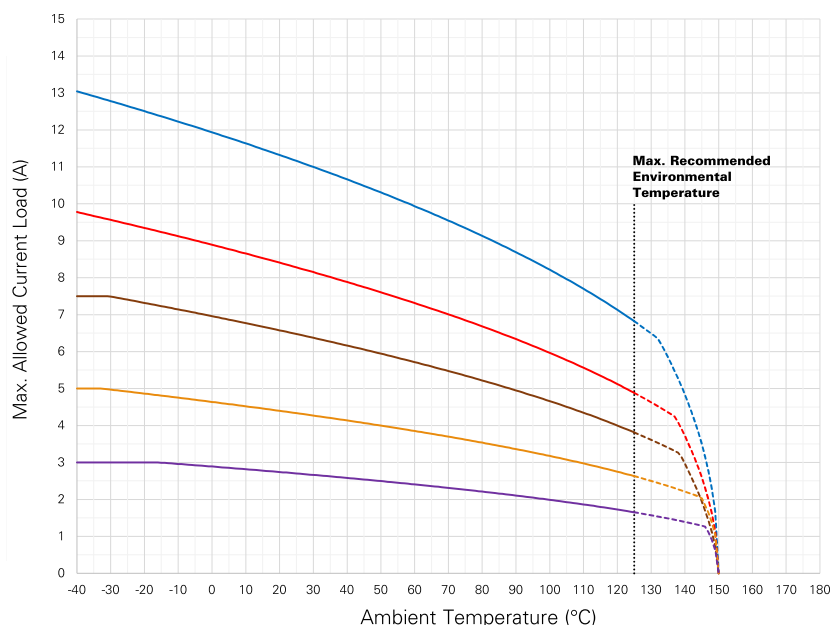
— 3A
— 5A
— 7.5A
— 10A
— 15A

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

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

— 3A
— 5A
— 7.5A
— 10A
— 15A

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