

# LOW PROFILE MINI® Blade Fuses

Rated 58V

RoHS



## Description

The Low Profile MINI® fuse has similar performance characteristics as the standard MINI® fuse. The lower overall height allows for more space and weight savings. The Low Profile MINI® fuse is designed to mate with tuning-fork terminals, which provides additional weight and material savings in fuse box designs by eliminating the need for female box terminals.

## Specifications

<b>Voltage Rating:</b>	58 V DC
<b>Interrupting Rating:</b>	1000A @ 58 V DC
<b>*Recommended Environmental Temperature:</b>	-40 °C to +125 °C
<b>Terminals Material:</b>	Silver plated zinc
<b>Housing Material:</b>	PA66 (U.L. 94 Flammability rating – HB)
<b>Net Weight Per Fuse:</b>	0.4 g ± 15%
<b>Complies with:</b>	ISO 8820-9

\*Silver plating allows up to 150°C at the interface.

## 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
- High-contrast amperage stamp on the top of the housing aids identification
- Simple to install and remove
- Offers additional material savings by reducing the need for sockets

## Applications

- Cars
- Trucks
- SUVs
- Off-road Vehicles
- Buses
- Watercraft as approved by Littelfuse®

## Ordering Information

Part Number	Rating	Package Size
0891xxx.NXS	2–30	5000
0891xxx.U	2–30	500
0891xxx.H	2–30	100

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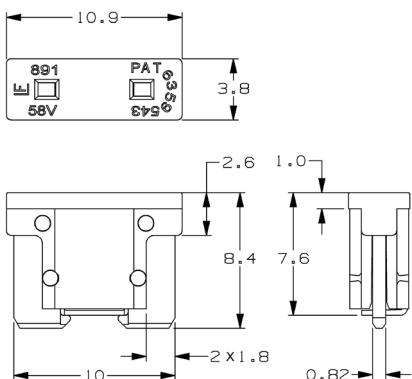
### Ratings

Part Number	Current Rating (A)	Housing Material Color	Test Cable Size (mm <sup>2</sup> )	Typ. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	Typ. I <sup>2</sup> t (A <sup>2</sup> s)
0891002._	2	Grey	0.5	151	54.2	3
0891005._	5	Brown	0.5	114	17.21	22
089107.5._	7.5	Dark Brown	0.75	105	10.65	53
0891010._	10	Red	1	97	7.59	102
0891015._	15	Blue	1.5	75	4.70	198
0891020._	20	Yellow	2.5	99	3.35	420
0891025._	25	White	2.5	96	2.56	613
0891030._	30	Green	4	96	2.06	1,100

The typical I<sup>2</sup>t is an average value calculated from the breaking capacity tests by using the melting time before the arcing occurs.

### Dimensions

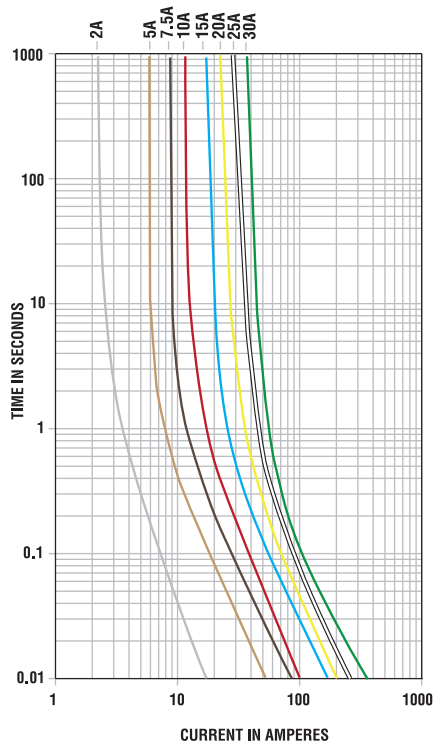
Dimensions in mm for reference only.  
See outline drawing for dimensions and tolerances.



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## Time-Current Characteristic Curves



## Time-Current Characteristics

% of Rating	Opening Time Min / Max (s)
110	360 000 / ∞
135	0.75 / 120
200	0.15 / 5
350	0.08 / 0.25
600	0.03 / 0.1

## Typical Derating of Fuse Melting Element

Temperature Security Margin is 20%  
 Please contact Littelfuse<sup>®</sup> for Details Regarding Derating Test Set-Up.

## Temperature Table