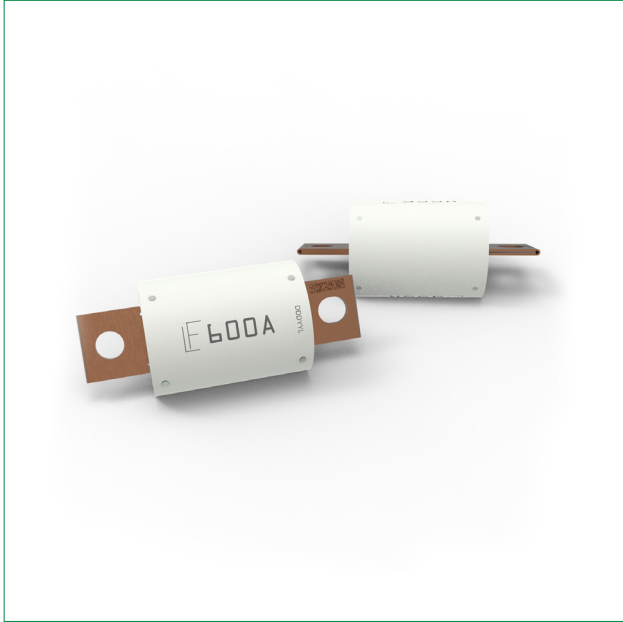


# 38EV Series

## High Voltage Fuses – Rated 500 V DC

RoHS



### Description

The 38EV fuse is designed for protection of high voltage accessory circuits in electric and hybrid electric vehicles.

### Features & Benefits

- High-contrast ampere labels on bodies aid identification
- Refer to ISO 8820-8 JASO D622
- Industry-standard footprint

### Applications

- EVs
- Hybrid passenger vehicles

### Additional Information



Resources



Samples

[See Disclaimer Notice](#)

### Specifications

<b>Voltage Rating:</b>	500 V DC
<b>Interrupting Rating:</b>	30 kA @ 500 V DC
<b>Recommended Environmental Temperature:</b>	–40 °C to +125 °C
<b>Terminals Material:</b>	Copper / Copper Alloy
<b>Housing Material:</b>	Melamine (U.L. 94 Flammability rating – V0)
<b>End caps Material:</b>	Zinc Alloy
<b>Recommended Mounting Torque M8:</b>	12 ±1 Nm
<b>Typical weight:</b>	180 g
<b>Refers To:</b>	ISO 8820-8 JASO D622

### Ordering Information

Part Number	Current Rating (A)	Termination	Package Size
38EVxxx.ZXBDM	300 A - 600 A	M8 Bolt Down	48

# 38EV Series

## High Voltage Fuses – Rated 500 V DC

### Ratings

Part Number	Current Rating (A)	Test Cable Size (mm <sup>2</sup> )	Typ. Voltage Drop (mV)
38EV300.ZXBDM*	300	50	TBD
38EV350.ZXBDM*	350	70	TBD
38EV400.ZXBDM*	400	70	TBD
38EV450.ZXBDM*	450	95	TBD
38EV500.ZXBDM*	500	150	TBD
38EV600.ZXBDM*	600	200	TBD

\* Products in development - please contact Littelfuse® for more details regarding availability timing.

**Note 1:** Final values for voltage drop, resistance, melting I<sup>2</sup>t and T/C curves will be generated from PV tests data.

**Note 2:** 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.

### Time-Current Characteristic

% of Rating	Opening Time Min. / Max. (s)
100	14 400 / -
200	1 / 300
300	0.2 / 30
500	0.05 / 1

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