

# High Voltage SHEV fuse

Rated 450 V DC

## Specifications

<b>Interrupting Rating:</b>	0kA @ 0 V DC
<b>Voltage Rating:</b>	0 V DC
<b>Operating Temperature Range:</b>	-40°C to +125°C
<b>Net Weight per Fuse:</b>	0 g ± g
<b>Material:</b>	Body: Melamine (U.L. 94 Flammability rating – V0) End caps: 4UBJOMFTT4UFFM Terminals: Copper Alloy
<b>Recommended Mounting Torque M8:</b>	12 ±1 Nm
<b>Refers To:</b>	ISO 8820-8 JASO D622

## Description

HC SHEV fuses employ diffusion pill technology. This enables them to provide predictable time-delayed circuit protection in high-voltage, high-current systems. These bolt down HC automotive fuses can be installed in most EVs and hybrid passenger vehicles.

## Features & Benefits

- Ampere stamps on terminals aid identification
- Industry-standard footprint

## Applications

- EVs
- Hybrid passenger vehicles

## Ordering Information

Part Number	Rating	Termination	Package Size
<b>187</b> xxx.ZXBD	0 A - 150 A	M Bolt Down	

The following ratings 0 A, 125 A and 150 A are under development. Please contact Littelfuse for more details regarding availability timing.

# High Voltage 30EV fuse

## Rated 500 V DC

### Ratings

Part Number	Current Rating (A)	Typ. Voltage Drop (mV)	Max. Voltage Drop Spec at 100% IR (mV)	Test Cable Size (mm <sup>2</sup> )	Typical Cold Resistance (mΩ)	Typical Melting I <sup>2</sup> t (A <sup>2</sup> s)
30EV150.ZXBDM*	150	160	180	20	0.54	15 000
30EV175.ZXBDM*	175	160	180	20	0.46	22 000
30EV200.ZXBDM*	200	160	180	30	0.41	32 000
30EV225.ZXBDM*	225	160	180	40	0.36	41 000
30EV250.ZXBDM*	250	160	180	40	0.32	52 000
30EV300.ZXBDM*	300	160	180	50	0.27	101 000

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

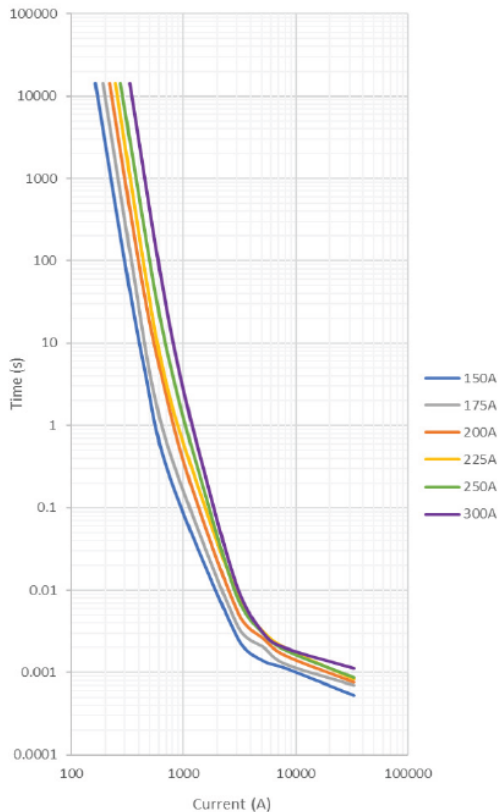
(\*) Products in development - please contact Littelfuse® for more details regarding availability timing. .

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.

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## Time-Current Characteristic Curves



## Time-Current Characteristics

% of Rating	Opening Time Min. / Max. (s)
110	14 400 / ∞
200	1 / 300
300	0.2 / 30
500	0.05 / 1