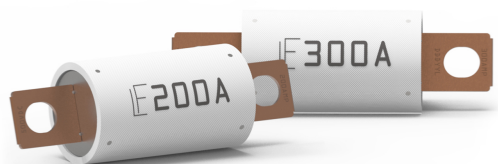


High Voltage 30EV fuse

Rated 500 V DC



Specifications



Interrupting Rating:	30kA @ 500 V DC
Voltage Rating:	500 V DC
Operating Temperature Range:	-40°C to +125°C
Net Weight per Fuse:	100 g ±10% g
Material:	Body: Melamine (U.L. 94 Flammability rating – V0) End caps: Zinc Alloy Terminals: Copper / Copper Alloy
Recommended Mounting Torque M8:	12 ±1 Nm
Refers To:	ISO 8820-8 JASO D622

Description

Bolt-down 30EV fuses employ diffusion pill technology to provide predictable time-delayed circuit protection in high-voltage, high-current automotive systems. These fuses make particularly good choices for ensuring overcurrent protection to branch circuits in EVs and hybrid passenger vehicles.

Features & Benefits

- High-contrast ampere labels on bodies aid identification
- Industry-standard footprints

Applications

- EVs
- Hybrid passenger vehicles

Ordering Information

Part Number	Rating	Termination	Package Size
30EVxxx.ZXBDM	150 A - 300 A	M8 Bolt Down	60

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Ratings

Part Number	Current Rating (A)	Typ. Voltage Drop (mV)	Max. Voltage Drop Spec at 100% IR (mV)	Test Cable Size (mm ²)	Typical Cold Resistance (mΩ)	Typical Melting I ² t (A ² 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

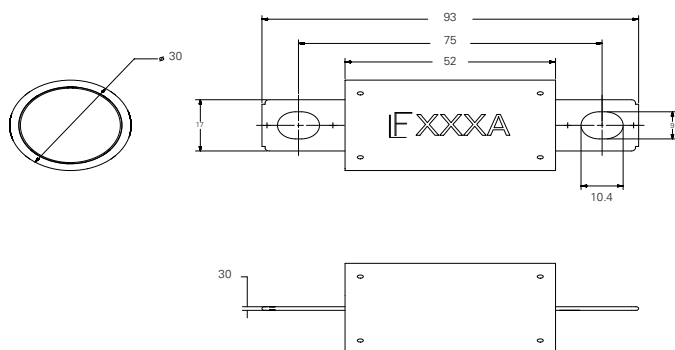
Final values for voltage drop, resistance, melting I²t and T/C curves will be generated from PV tests data

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

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

Dimensions

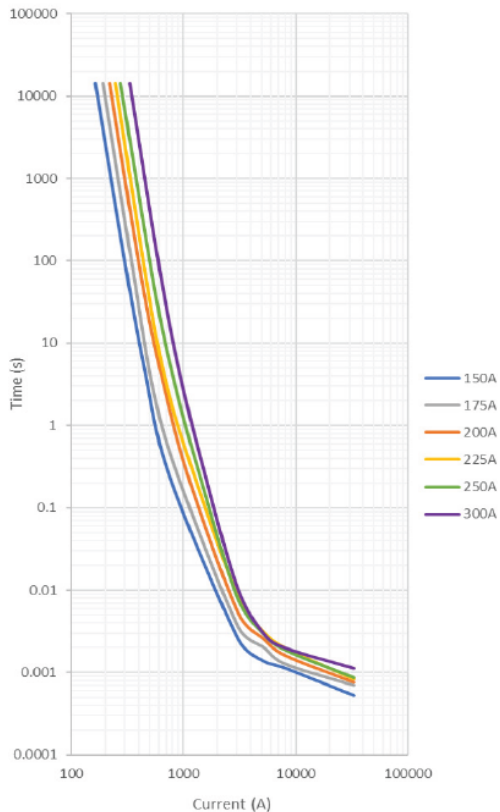
Dimensions in mm



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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