# High Voltage Fuses





Low Current High Voltage 50A Fuses

**Time-Current Characteristic Curves** 

# Low Current High Voltage 50A Fuse

The LC HEV fuse is designed for protection of high-voltage accessory circuits in electric and hybrid electric vehicles.

#### **Specifications**

Voltage Rating (50A): Interrupting Rating (50A): Operating Temperature Range: 275 VAC 10,000A @ 275 VAC -40°C to +125°C

#### **Ordering Information**

Part Number	Termination	Package Size	
0HEVxxx.ZXC2	Cartridge	240	
0HEVxxx.ZXIS02	Bolt Down (ISO)	240	
0HEVxxx.ZXP2Y	Blade	240	
OHEVxxx.ZXPCB2	PCB Mount	240	
OHEVxxx.ZXPCBL2	PCB Mount (Long)	240	
0HEVxxx.ZXBD2	Bolt Down (Axial)	240	

#### **Time-Current Characteristics**

% of Rating	Opening Time Min / Max (s)
100	100 hrs / -
110	4 hrs / -
135	-
150	-
200	0.5 / 100
300	0.1 / 15
500	0.05 / 1

## Ratings

Part Number	Current Rating (A)	Voltage Rating (VAC)	Color Code	Typical Voltage Drop at 70% I <sub>R</sub> (mV)	Maximum Voltage Drop Spec at 100% I <sub>R</sub> (mV)	Typical Cold Resistance (mΩ)	Minimum Melting I²t (A²s)
0HEV050.XXX	50	275		57	200	1.2	1495



#### **Temperature Rerating Curve**



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## Low Current High Voltage 50A Fuse

### Dimensions

Dimensions in mm





10.3 ±0.20

ZXISO2 Bolt Down (ISO)





ZXPCB2 PCB Mount









ZXBD2 Bolt Down (Axial)

ZXP2Y Blade



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