High Voltage Fuse - LC HEV 50A Series

Rated 275 VAC









Specifications

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

Features & Benefits

- Available with blade, bolt down, or PCB connectors
- Available as a cartridge fuse

Description

LC HEV 50A fuses comes in six configurations. Each version of the cylindrical high-voltage fuse protects circuits in EVs and hybrid passenger vehicles. Ask Littelfuse which configuration best meets your needs.

Applications

- Hybrid vehicles

Ordering Information

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

High Voltage Fuse - LC HEV

Rated 450 V DC

Ratings

Part Number	Current Rating (A)	Voltage Rating (VAC)	Color Code	Typical Voltage Drop at 70% I _R (mV)	Maximum Voltage Drop Spec at 100% I _R (mV)	Typical Cold Resistance (mΩ)	Minimum Melting I ² t (A ² s)
0HEV050.XXX	50	275		57	200	1.2	1495

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

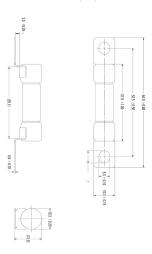
Dimensions

Dimensions in mm

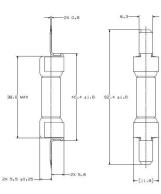
ZXC2 Cartridge



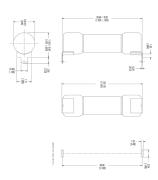
ZXISO2 Bolt Down (ISO)



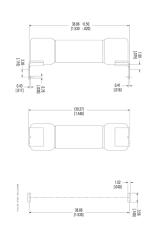
ZXP2Y Blade



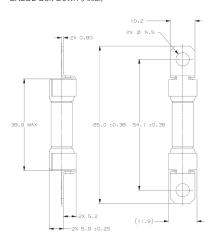
ZXPCB2 PCB Mount



ZXPCBL2 PCB Mount (Long)

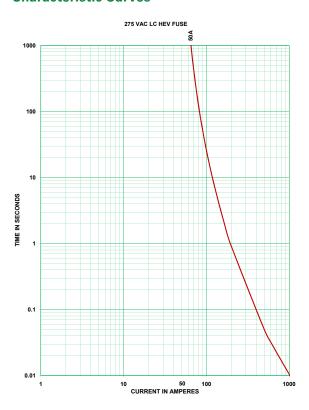


ZXBD2 Bolt Down (Axial)



High Voltage Fuse - LC HEVRated 450 V DC

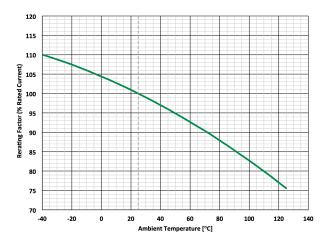
Time-Current Characteristic Curves



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

Typical Rerating Curve



Derating curves may change depending on the final condition of the application (terminals characteristics, wire size etc..). Please ask Littelfuse for more information.

