High Voltage Fuses





Low Current HEV Fuses



0HEV040.ZXBD

Low Current HEV Fuse

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

Specifications

Voltage Rating (10A, 15A, 20A, 30A): 450 VDC Voltage Rating (40A): 425 VDC

Note: The OHEV040.ZXBD is rated at 450 VDC

Interrupting Rating (10A, 15A, 20A, 30A): 10kA @ 450 VDC Interrupting Rating (40A): 10kA @ 425 VDC Operating Temperature Range: -40°C to +125°C

Ordering Information

Time-Current Characteristics

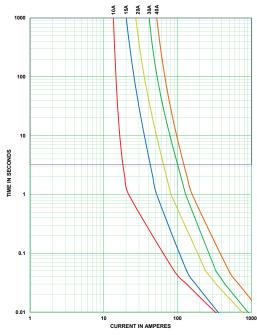
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Part Number	Termination	Package Size	% of Rating	Opening Time Min / Max (s) 10A	Opening Time Min / Max (s) 15A, 20A, 30A	Opening Time Min / Max (s)	
0HEVxxx.ZXC	Cartridge	240				40A	
0HEVxxx.ZXIS0	Bolt Down (ISO)	240	100	100 hrs / -	100 hrs / -	100 hrs / -	
0HEVxxx.ZXPY	Blade	240 240 240	110	4 hrs / -	4 hrs / -	-	
			135	100 / 3600	150 / 3600	150 / 3600	
0HEVxxx.ZXBD	Bolt Down (Axial)		150	10 / 1000	10 / 1000	10 / 1000	
OHEVxxx.ZXPCB	PCB Mount		200	0.5 / 100	0.5 / 100	0.5 / 100	
OHEVxxx.ZXPCBL	PCB Mount (Long)	240	300	0.1 / 15	0.1 / 15	0.1 / 15	
			500	0.05 / 1	0.05 / 1	0.05 / 1	

Ratings

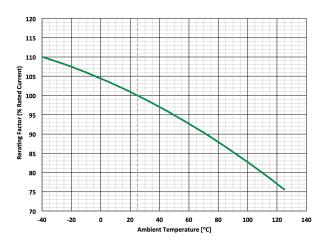
Part Number	Current Rating (A)	Color Code	Typical Voltage Drop at 70% I _R (mV)	Maximum Voltage Drop Spec at 100% IR (mV)	Typical Cold Resistance $(m\Omega)$	Minimum Melting I²t (A²s)
0HEV010.xxx	10		114	300	12.8	255
0HEV015.xxx	15		96	200	7.9	133
0HEV020.xxx	20		79	200	5.0	268
0HEV030.xxx	30		67	200	2.7	993
0HEV040.xxx	40		69	200	2.0	1495

(Average Initial Measurements)

Time-Current Characteristic Curves



Temperature Rerating Curve



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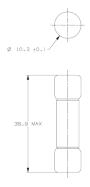


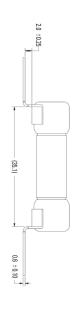
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Dimensions

Dimensions in mm

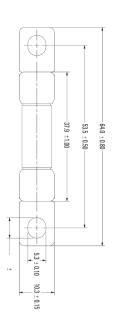
ZXC Cartridge



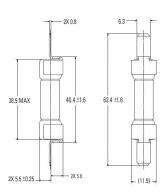




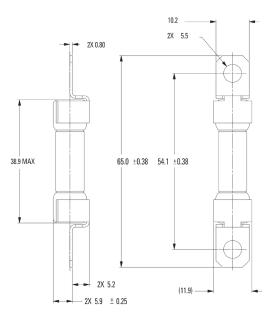
ZXISO Bolt Down (ISO)



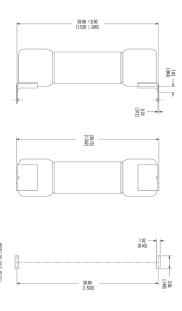
ZXPY Blade



ZXBD Bolt Down (Axial)



ZXPCB PCB Mount



ZXPCBL PCB Mount (Long)

