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

Ordering Information

Time-Current Characteristics

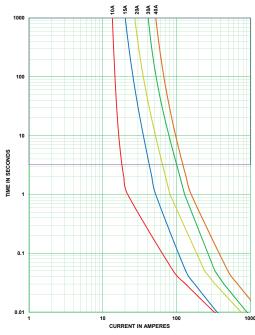
Part Number	Termination	Package Size	% of Rating	Opening Time Min / Max (s) 10A	Opening Time Min / Max (s) 15A, 20A, 30A	Opening Time Min / Max (s) 40A
0HEVxxx.ZXC	Cartridge	240				
0HEVxxx.ZXIS0	Bolt Down (ISO)	240	100	100 hrs / -	100 hrs / -	100 hrs / -
0HEVxxx.ZXPY	Blade	240	110	4 hrs / -	4 hrs /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

Ratings

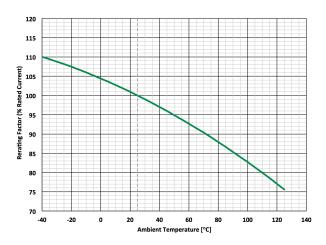
Part Number	Current Rating (A)	Color Code	Typical Voltage Drop at 70% I _R (mV)	Maximum Voltage Drop Spec at 100% IR (mV)	Typical Cold Resistance $(m\Omega)$	Minimum Melting l²t (A²s)
0HEV010.xxx	10		114	300	12.8	255
0HEV015.xxx	15		96	200	7.9	133
0HEV020.xxx	20		79	200	5.0	268
0HEV030.xxx	30		67	200	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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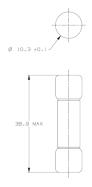


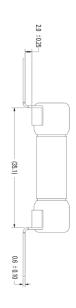
Low Current HEV Fuse

Dimensions

Dimensions in mm

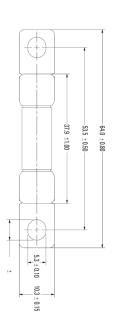
ZXC Cartridge



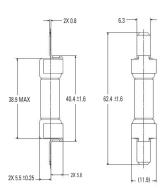




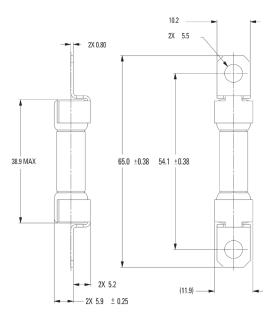
ZXISO Bolt Down (ISO)



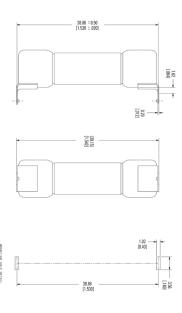
ZXPY Blade



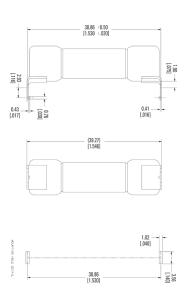
ZXBD Bolt Down (Axial)



ZXPCB PCB Mount



ZXPCBL PCB Mount (Long)



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Littelfuse:

OHEV015.ZXPCBL OHEV030.ZXC OHEV015.ZXC OHEV030.ZXPCBL OHEV010.ZXPCBL OHEV010.ZXBD OHEV020.ZXBD OHEV010.ZXPCB OHEV040.ZXPCB OHEV040.ZXC OHEV030.ZXBD OHEV015.ZXBD OHEV020.ZXC OHEV020.ZXPCBL OHEV040.ZXPY OHEV015.ZXPCB OHEV040.ZXPCB OHEV040.ZXPCB OHEV040.ZXPCB OHEV040.ZXPY OHEV010.ZXPY OHEV040.ZXPCBL OHEV020.ZXPY OHEV010.ZXISO OHEV030.ZXISO OHEV040.ZXISO OHEV020.ZXISO