



High Current SHEV Fuses

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The HC HEV fuse is designed for protection of high-current / high-voltage circuits in electric and hybrid electric vehicles employing an industry-standard footprint. The HC HEV fuse provides time-delay characteristics with "Diffusion Pill Technology."

Specifications

Interrupting Rating:	10KA @ 450VDC
Voltage Rating:	450VDC
Operating Temperature Range:	-40°C to +125°C
Net Weight Per Fuse:	30±5 gr
Material:	Body: Melamine (U.L. 94 Flammability rating – V0) End Caps: Stainless Steel Terminals: Copper Alloy
Recommended Mounting Torque:	5-7 Nm M6 (ISO prescription) 10 Nm M6 (Max allowed)
Refers To:	ISO 8820-8 JASO D622

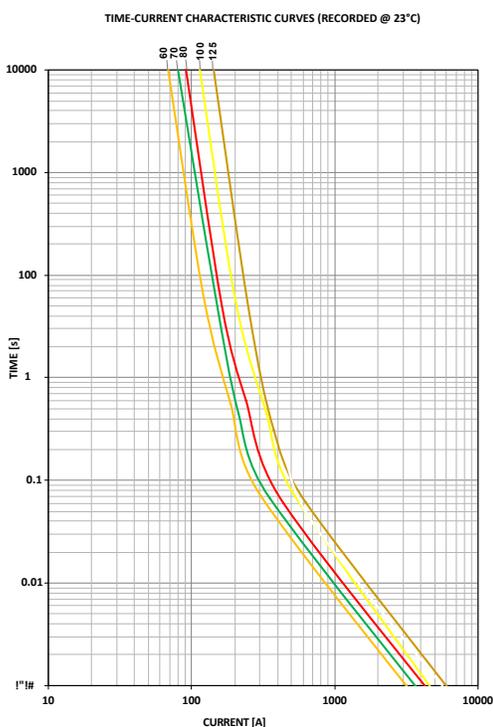
Ordering Information

Part Number	Termination	Package Size
SHEVxxx.ZXBD	M6 Bolt Down	320

Time-Current Characteristics

% of Rating	Opening Time Min / Max (s)
110	4 hrs / ∞
200	1.0 / 300
300	0.2 / 30
500	0.05 / 1.0

Time-Current Characteristic Curves



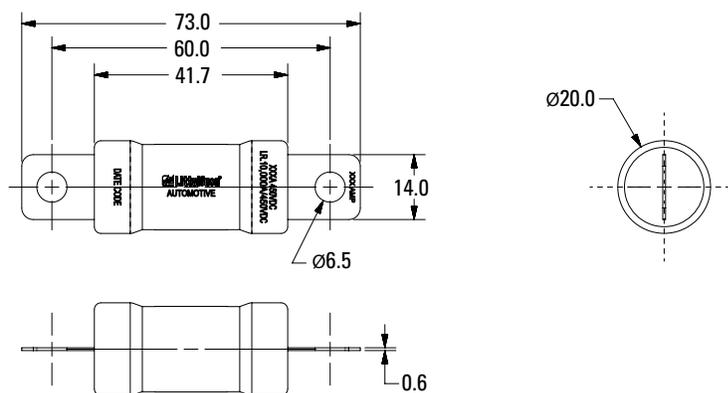
Ratings

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)
SHEV060.ZXBD	60	110	200	60	1.4	7745
SHEV070.ZXBD	70	115	200	70	1.2	11603
SHEV080.ZXBD	80	90	200	80	0.8	16002
SHEV100.ZXBD	100	95	200	100	0.62	27079
SHEV125.ZXBD	125 (*)	95	200	125	0.48	38333

(*) Products in development - please contact Littelfuse® for more details regarding availability timing. Final values for voltage drop, resistance, melting I²t and T/C curves will be generated from PV tests data.

Dimensions

Dimensions in mm



REV06102022

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