# High Current Fuses





MEGA® Low Temperature Fuses

# MEGA® Low Temperature Fuse Rated 32V

The MEGA® Fuse is designed for high current circuit protection up to 275A with "Diffusion Pill Technology." The MEGA® Fuse also provides time delay characteristics. Designed and patented by Littelfuse, the MEGA® Fuse is ideal for battery and alternator protection application and other heavy gauge cables requiring ultra-high current protection.

## **Specifications**

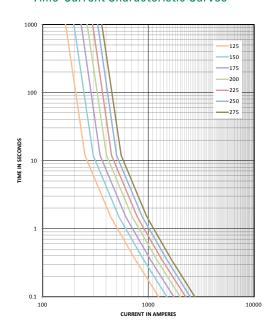
Voltage Rating: 32 VDC

Terminals Materials: Copper (Silver plated copper available)
Housing Material: PPA-GF33HS (U.L. 94 Flammability rating - HB)

Mounting Torque M8: 12-18 Nm



## Time-Current Characteristic Curves



## **Ordering Information**

Part Number	Rating	Package Size	Plating	Bolt Hole Qty	
0298125.ZXBLT	125	500	Ag	2	
0298xxx.ZXEH-LT	150-275	500	None	2	
0298xxx.UX1M8LT	150-275	500	None	1	

## **Time-Current Characteristics**

% of Rating	Opening Time Min / Max (s)			
	125	150-275		
100	14,400 / ∞	14,400 / ∞		
135	120 / 1800	120 / 1800		
200	1 / 50	1 / 150		
350	0.3 / 5	0.3 / 5		
600	0.1 / 1	0.1 / 1		

## Ratings

Part Number	Current Rating (A)	Font Color	Test Cable Size (mm2)	Typ. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	Typ. I²t (A²s)
0298125.ZXBLT	125		16	67	0.33	57,000
0298150.ZXEH-LT	150		25	62	0.26	59,000
0298175.ZXEH-LT	175		25	65	0.23	123,000
0298200.ZXEH-LT	200		35	61	0.21	140,000
0298225.ZXEH-LT	225		35	57	0.18	317,000
0298250.ZXEH-LT	250		50	54	0.14	637,000
0298275.ZXEH-LT	275		50	53	0.12	800,000

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

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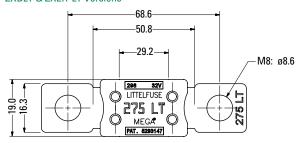


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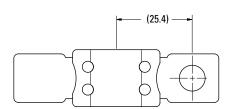
#### **Dimensions**

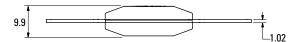
Dimensions in mm for reference only. See outline drawing for dimensions and tolerances.

#### **ZXBLT & ZXEH-LT Versions**



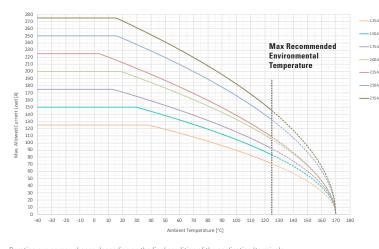
## **UX1M8LT Version**





## Typical Derating of Fuse Melting Element

Temperature Security Margin is 20% Please contact Littelfuse® for Details Regarding Derating Test Set-Up.



# Temperature Table

	max. allowed current load [A] at ambient temperature (typical derating)						
	-40°C	0°C	20°C	65°C	85°C	110°C	125°C
125A	125	125	125	111	99	83	71
150A	150	150	1 <b>159</b> 0.0	129	116	97	83
175A	175	175	171	142	128	107	92
200A	200	<b>9.9</b> <sup>200</sup>	199	165	147	122	105
225A	225	225	212	174	155	127	108
250A	250	250	246	205	184	153	132
275A	275	275	271	225	202	169	145

Derating curves may change depending on the final condition of the application (terminals characteristics, wire size etc..).

Please ask Littelfuse® for more information.

#### REV07272021