

# MDC08B

80V DC

DC FUSES

FOR BATTERY MODULE PROTECTION



**MDC**  
DC Distribution Series

Mersen's MDC battery module fuse is designed and tested for the protection of battery modules. The MDC08B series provides back-up protection to the battery module during shipping, transportation, and handling of the module.

The MDC08B Series incorporates proven fuse technologies which provides optimal current limitation while achieving maximum performance. The battery module fuse is designed to provide back-up protection while maintaining a slow melting time. It is important for a battery module fuse to have a slower melting time to ensure coordination with upstream fuses can be achieved. This allows battery module manufacturers the ease of mind that the battery is protected during shipping, handling, and transportation and once installed within a system, that the traditional fast-acting upstream fuses will coordinate with the battery.

Technical Data Overview	
Volts	80VDC
Amps	35-500A
IR	10kA @ 80VDC L/R ≤1ms
DC MBC	2.0 x In @ Rated Voltage L/R ≤1ms

## FEATURES/BENEFITS

- Designed for DC applications
- Low watt losses
- High cycling performance
- Low & high current interrupting capability
- Ultra compact size

## APPLICATIONS

- Battery modules protection
- Stationary DC systems
- Battery systems

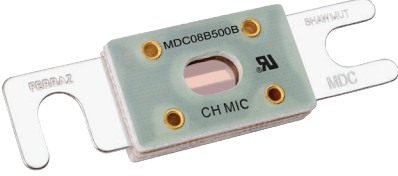

## APPROVALS/STANDARDS

- UL Recognized Components (all products) E60314



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**CATALOG NUMBERS**

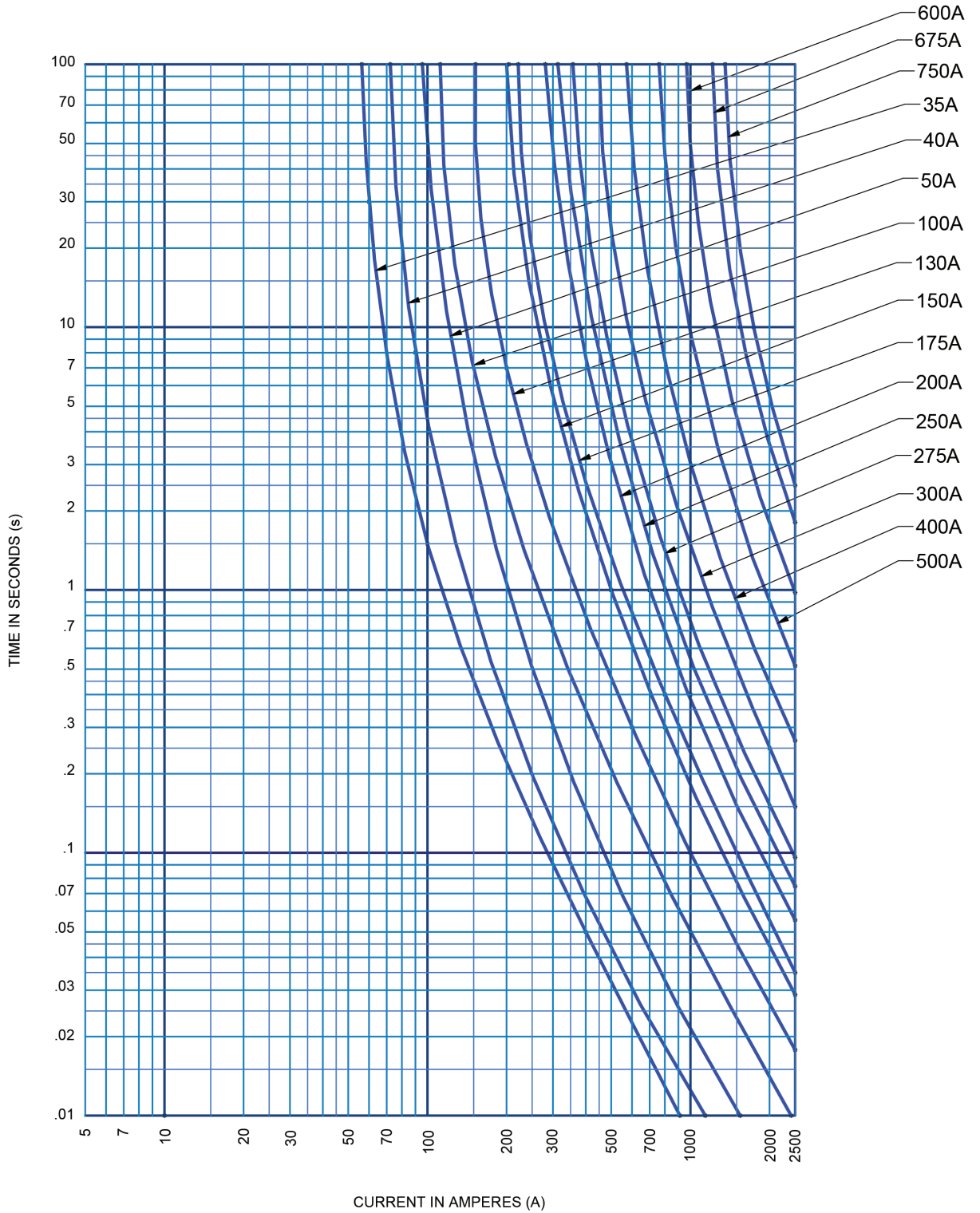
Straight Blade Bolt-in					
 					
MDC08B500B					
Catalog Number	Rated Voltage (VDC)	Rated Current (A)	DC Min. Breaking Capacity (MBC)*	DC Max Interrupting Rating (kA)	DC Time Constant L/R (ms)
MDC08B35B	80	35	70	10	≤1
MDC08B40B	80	40	80	10	≤1
MDC08B50B	80	50	100	10	≤1
MDC08B60B	80	60	120	10	≤1
MDC08B80B	80	80	160	10	≤1
MDC08B100B	80	100	200	10	≤1
MDC08B125B	80	125	250	10	≤1
MDC08B130B	80	130	260	10	≤1
MDC08B150B	80	150	300	10	≤1
MDC08B175B	80	175	350	10	≤1
MDC08B200B	80	200	400	10	≤1
MDC08B225B	80	225	450	10	≤1
MDC08B250B	80	250	500	10	≤1
MDC08B275B	80	275	550	10	≤1
MDC08B300B	80	300	600	10	≤1
MDC08B325B	80	325	650	10	≤1
MDC08B350B	80	350	700	10	≤1
MDC08B400B	80	400	800	10	≤1
MDC08B500B	80	500	1000	10	≤1

\*Fuse Minimum Breaking Capacity (MBC): the smallest current the fuse has been tested to safely clear at a given voltage and time constant

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MELTING TIME CURRENT DATA

MDC08B35-500B



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**DIMENSIONS:**  
**MDC08B35-500B**

