

# MDC15D - DC Distribution Fuse

1500VDC Auxiliary Fuse

DC DISTRIBUTION FUSES

FOR DC DISTRIBUTION



**MDC**  
DC Distribution Series

With the evolution of DC distribution and new technologies on the horizon, Mersen's MDC DC Distribution Series is the product line to help customers achieve ultimate protection for today and tomorrow. The product portfolio allows system integrators and OEM manufacturers to select fuses easily for the protection of DC distribution in a variety of applications.

The MDC Series incorporates proven fuse technologies which provide optimal current limitation while achieving maximum performance. The MDC portfolio is designed to easily allow customers to choose fuses where coordination with other DC components is critical, eliminating unnecessary downtime.

Technical Data Overview	
Volts	1500VDC
Amps	35A-65A
IR	50kA @ 1500VDC
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

- DC Distribution
- DC Cabling and Bus
- DC Auxiliary Circuits
- Electrical Energy Storage
- EV Charging
- Critical Power
- UPS Protection

## APPROVALS/STANDARDS

- UL Recognized File E60314




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FUSES

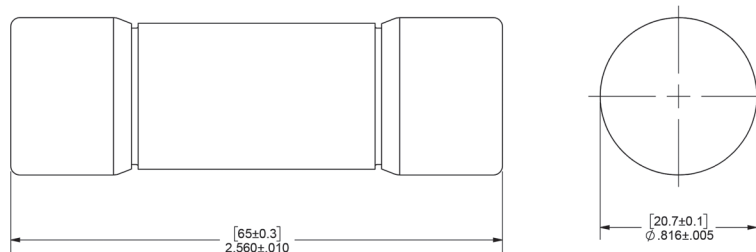
## CATALOG NUMBERS

Ferrule							
							
MDC15A32							
Catalog Number	Rated Voltage (VDC)	Rated Current (A)	DC Min. Breaking Capacity (MBC)*	DC Max Interrupting Rating (kA)	Melting I <sup>2</sup> t (A <sup>2</sup> s)	Clearing I <sup>2</sup> t at 1000VDC, 10kA, L/R = 1ms	DC Time Constant L/R (ms)
MDC15D35	1500	35	70	50	320	3300	≤1
MDC15D40	1500	40	80	50	528	3500	≤1
MDC15D45	1500	45	90	50	789	3500	≤1
MDC15D50	1500	50	100	50	1019	4900	≤1
MDC15D55	1500	55	110	50	1279	600	≤1
MDC15D60	1500	60	120	50	1670	6500	≤1
MDC15D65	1500	65	130	50	1670	6500	≤1

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

## DIMENSIONS

### MDC15D(35-65A)



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