

Weatherproof Against Dust & Water Intrusion to ensure reliable circuit protection for the life of the electrical system installation

32 Vdc Rating easily supports 12 and 24 Vdc applications.

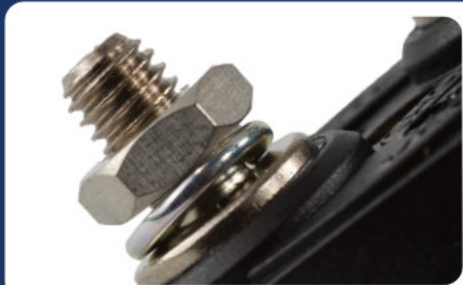
Meets ABYC E-11 Interrupt Requirements

High Interrupt Current safely protects circuits connected to large paralleled battery banks with significant available power

Ignition Protected safe for installation in closed compartments with potential explosive gases

Harsh Environment design with shock and vibration resistance ideal for marine and vehicle electrical systems.

Trip-Free Design cannot be forced on during fault condition.



15-60 Amp MD Series Circuit Breakers



Protects Electrical Circuits from short circuit events and over-current loads, preventing wire insulation overheating and subsequent destruction.



Automatic Circuit Protection maintains electrical system safety and wire protection.

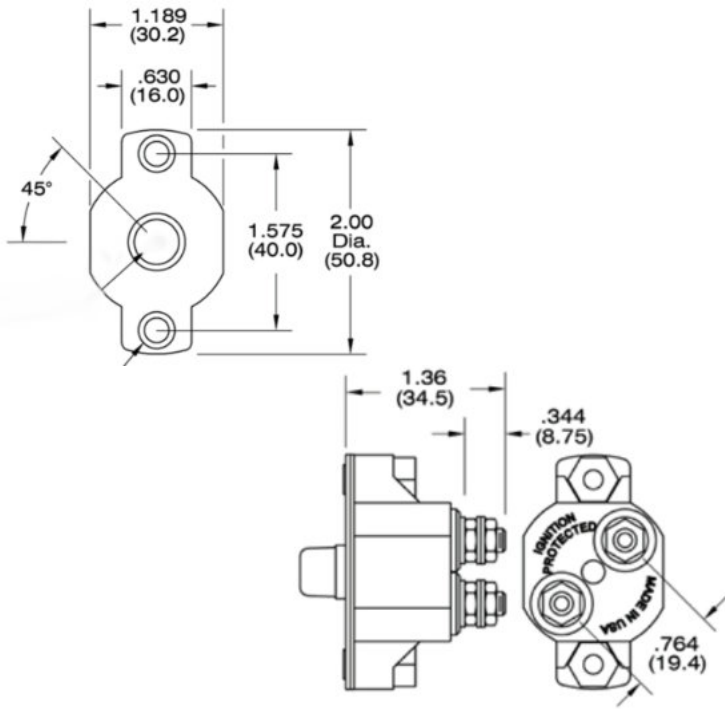


Bullet-proof Construction: Weatherproof, high temp materials for engine compartment applications, and solid mounting points.

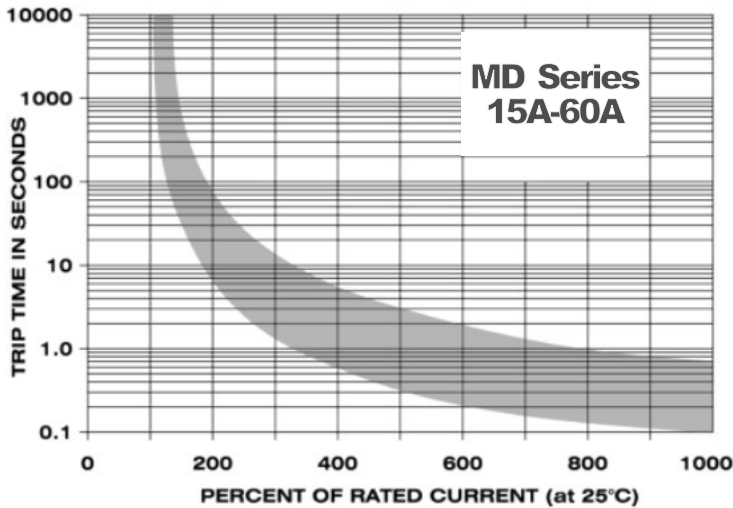
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4 Year Industry Leading Warranty

Product Dimensions



Trip Current vs Time Delay



Ambient Temperature Correction Factor

F°	C°	2-70A
-65	-54	0.83
0	-17	0.87
32	0	0.93
77	25	1.00
100	38	1.11
140	60	1.25

Electrical Specifications

Max Operational Voltage	32 Vdc
Short Circuit Interrupt Rating	3,000 Amps @ 32 (Vdc)
Voltage Drop	Max .8V at rated current
Dielectric Strength	1500 VAC
Inrush Capacity	35X Rating @ ½ Cycle (.008sec)
Re-settable Overload Capacity	10x Rated Value
Interrupt Capacity Compliance	UL 1077 / SAE J553
Dielectric Strength	1500VAC
Trip Free Design	Yes

Specifications

Max Operating Temperature	60 C / 140 F
Min Operating Temperature	-54 C / -65 F
Weight	1.375oz (39g)
Trip Free Design?	Yes
Hardware Material	Plated Nickel Stud, Tin Plated Nut
Terminal Stud Size	#10-32
Max Terminal Stud Torque	15 in-lbs (1.13 N-m)
Cable Terminal Stud Hole Size	#10-32 Nominal
Ignition Protection	UL 1500, USCG 183.410
Operating Humidity	0 to 95% RH
Ingress Protection	SAE J1428
Mechanical Vibration	10g
Mechanical Shock	100g
Compliance	SAE J553, ABYC-E-11, UL 1500, MIL-STD-202, UL 1077, SAE J1428
RoHs Compliant?	Yes
CE Marked?	Yes

Part Numbers

	Retail Pack	Bulk Pack
MD Series Circuit Breaker, Push Button 15A	4712-15	4712-15B
MD Series Circuit Breaker, Push Button 20A	4712-20	4712-20B
MD Series Circuit Breaker, Push Button 30A	4712-30	4712-30B
MD Series Circuit Breaker, Push Button 40A	4712-40	4712-40B
MD Series Circuit Breaker, Push Button 50A	4712-50	4712-50B
MD Series Circuit Breaker, Push Button 60A	4712-60	4712-60B

Related Circuit Protection Options



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