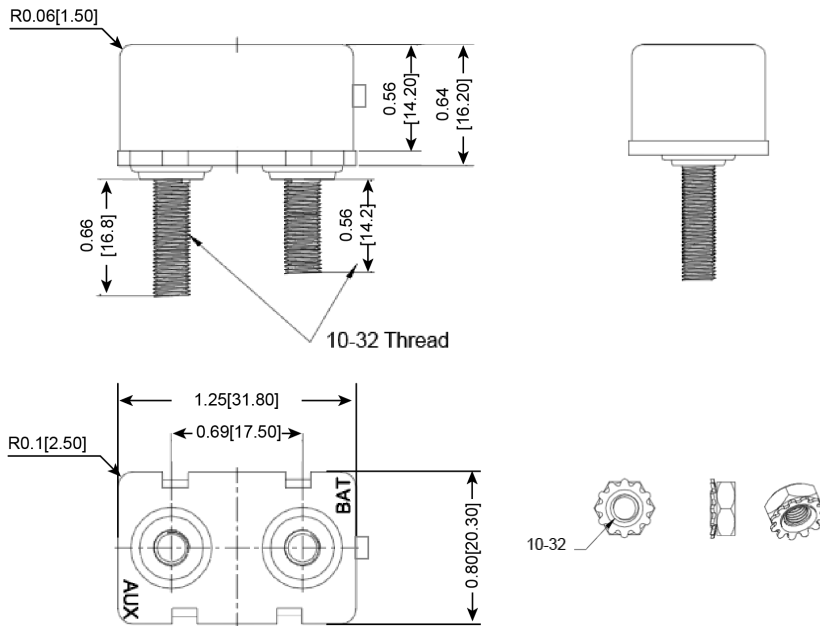


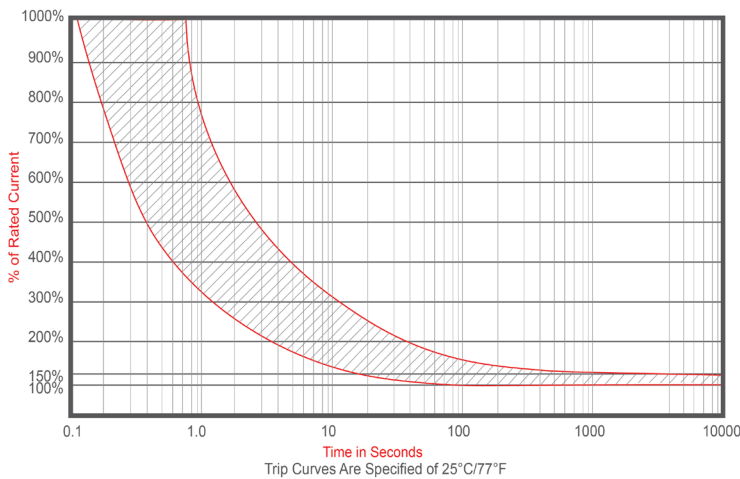
Mechanical Dimensions: Inches [mm]



Part Numbers Information

Optifuse P/N	Current	Body Color
MRCBP-N-10C	10A	Gray
MRCBP-N-15C	15A	Blue
MRCBP-N-20C	20A	Yellow
MRCBP-N-25C	25A	White
MRCBP-N-30C	30A	Green
MRCBP-N-40C	40A	Orange
MRCBP-N-50C	50A	Red

Time vs. Percent of Rated Current



% of Rated Current	Min Trip Time	Max Trip Time
150%	1h	-
200%	4s	29s
300%	1.2s	10.5
400%	600ms	5s
500%	400ms	2.8s
600%	300ms	1.8s
800%	180ms	900ms
1000%	120ms	700ms

Electrical Specifications

Voltage	32VDC
Reset Type	Type III – Manual Reset
Limited Short Circuit Current	1000A (UL1077)
Insulation Resistance	DC 500V 100M ohm 5 sec
Dielectric Strength	AC 1500V 1 minute

Material Specifications

Body	Thermoplastic (UL94V-0)
Reset button	Thermoset
Terminals	Battery – Copper Plate (0.58"), Auxiliary – Zinc Plate (0.66")
Mounting Type	Chassis Mount
Operation Temperature	-10°C ~ 60°C

Ambient Temperature Correction Factor

-5 °C	(3A-4A)x 1.2, (5A-30A)x 1.12
+40 °C	(3A-4A)x 0.92, (5A-30A)x 0.94

The time/current characteristic curve depends on the ambient temperature prevailing. In order to eliminate nuisance tripping. Please multiply the current breaker current ratings by the derating factor shown below.

Example:

Normal Continuous Current 10A

Ambient Temperature 40 °C

Multiplication Factor 0.94

Recommended Rating $10A/0.94=10.6A$

Select the Nearest Rating 11A

Rev Date of issue Revision Notes

Designed Approved

C	06-29-2020	Initial Drawing	RC	OF
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