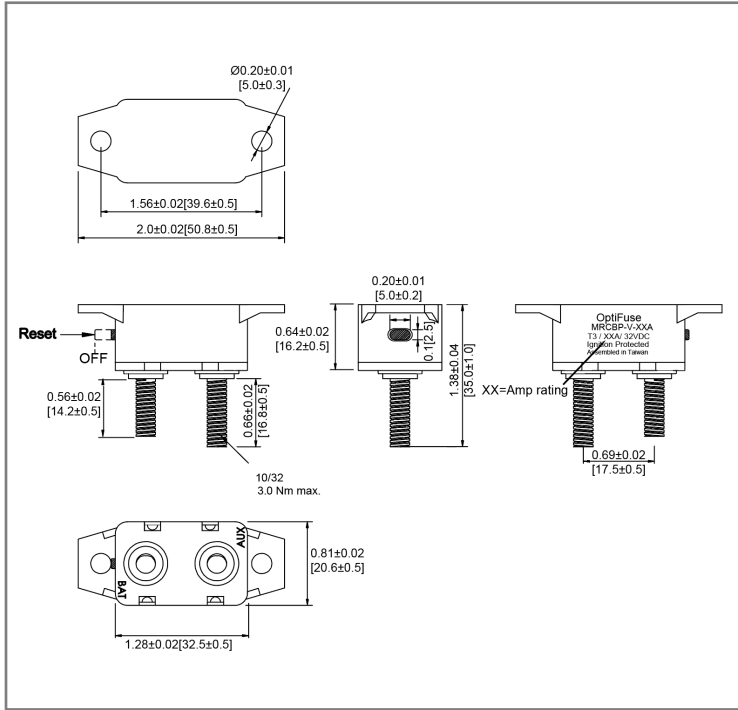


10-32 Stud (Shortstop Style) Circuit Breaker

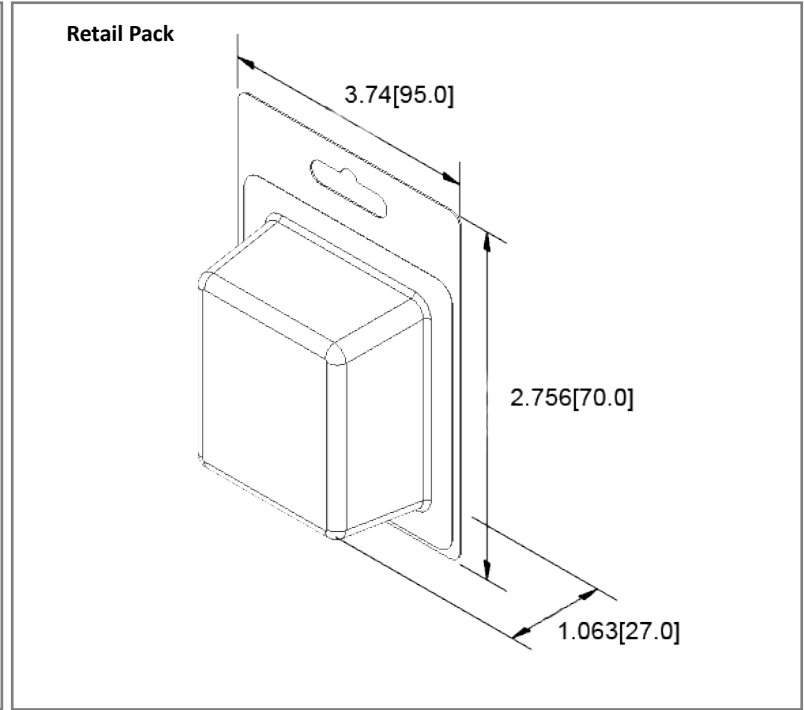
MRCBP-V Colored Body



Mechanical Dimensions: Inches [mm]



Retail Pack: Inches [mm]



Part Numbers Information

Amperage	Body Color	Bulk Part #	Retail Pack # Blister Card	Pack Size
10A	Gray	MRCBP-V-10A	MRCBP-V-10A-BP	1
15A	Blue	MRCBP-V-15C	MRCBP-V-15C-BP	1
20A	Yellow	MRCBP-V-20C	MRCBP-V-20C-BP	1
25A	White	MRCBP-V-25C	MRCBP-V-25C-BP	1
30A	Green	MRCBP-V-30C	MRCBP-V-30C-BP	1
40A	Orange	MRCBP-V-40C	MRCBP-V-40C-BP	1
50A	Red	MRCBP-V-50C	MRCBP-V-50C-BP	1

Electrical Specifications

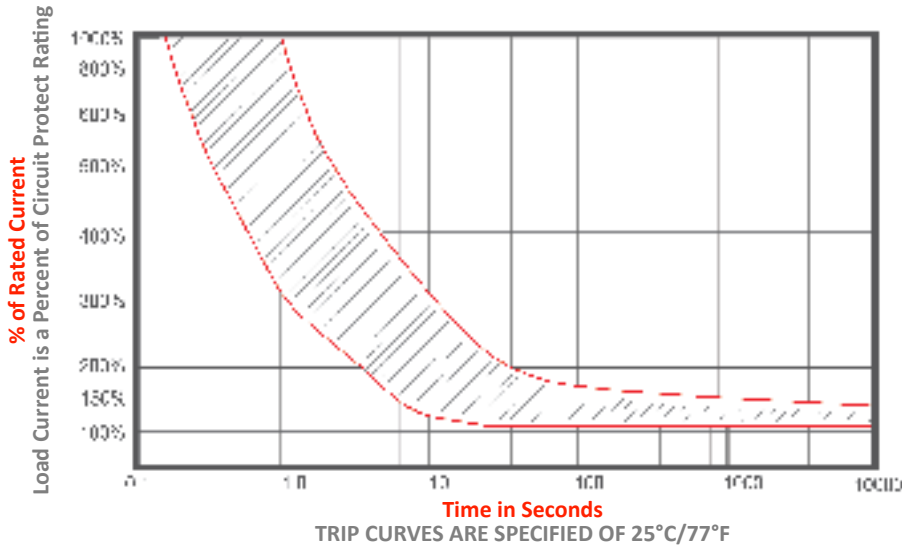
Voltage Rating	12/24/32VDC
Reset Type	Type III - Manual Reset
Interrupting Rating	4 times rated current
Operation Temperature	-10°C ~ 60°C
Testing	SAE J553

Material Specifications

Body Material	Thermoplastic (UL94V-0)
Terminals Configuration	Battery – Copper Plate Auxiliary – Zinc Plate
Studs Torque	3.0 \pm 0.3 N.m
Mounting Torque	1.0 \pm 0.1 N.m
Ignition Protection	SAE J1171 Ingress Protection IP63

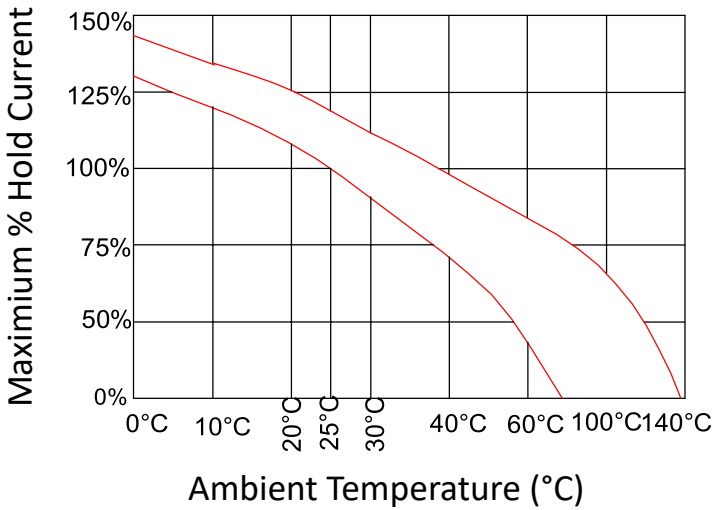
Nut Material Iron, Zinc Plated

Time vs. Percent of Rated Current



% of Rated Current	Min Trip Time	Max Trip Time
100%	Hold	No Trip
150%		Trip in 1 hr
200%	4.0s	40.0s
300%	1.2s	12.0s
400%	0.6s	5.0s
500%	0.4s	2.8s
600%	0.3s	1.8s

Temperature Derating Curve



Ambient Temperature	-10°C	0°C	10°C	25°C	40°C	50°C	60°C
Division Factor	1.25	1.15	1.05	1.00	0.9	0.8	0.7

Rev Date of issue Revision Notes

Designed Approved

G	08-11-2025	Updated Material Specifications	RC	OF
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