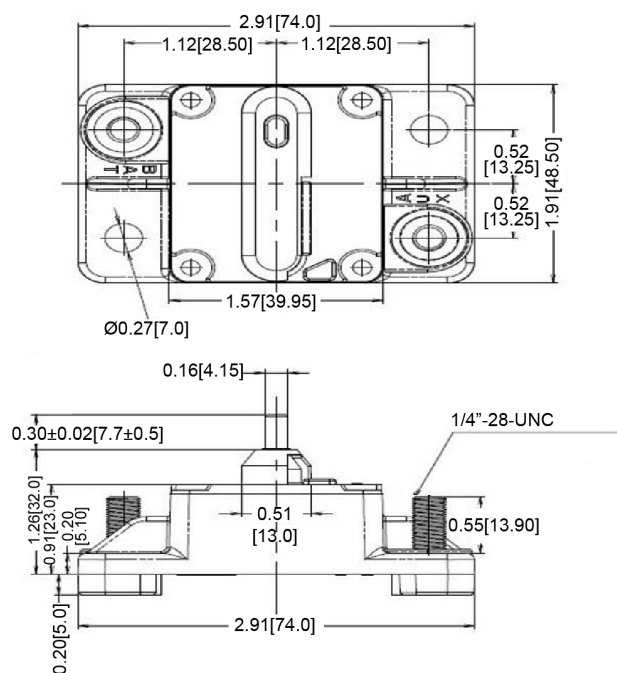


High Amperage Heavy Duty Circuit Breaker

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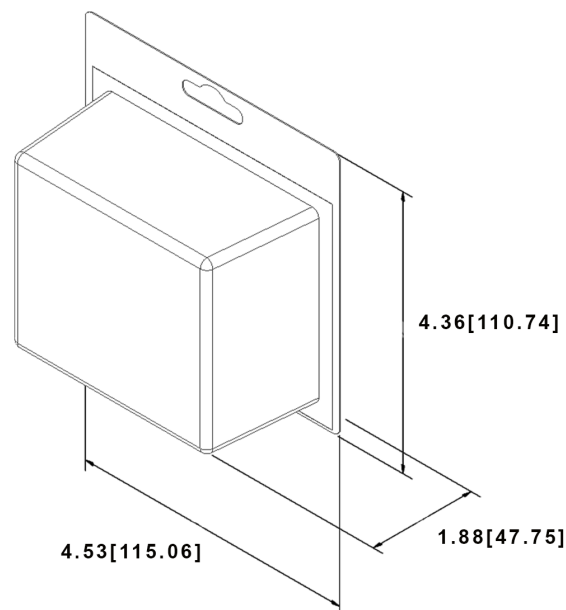


Mechanical Dimensions: Inches [mm]

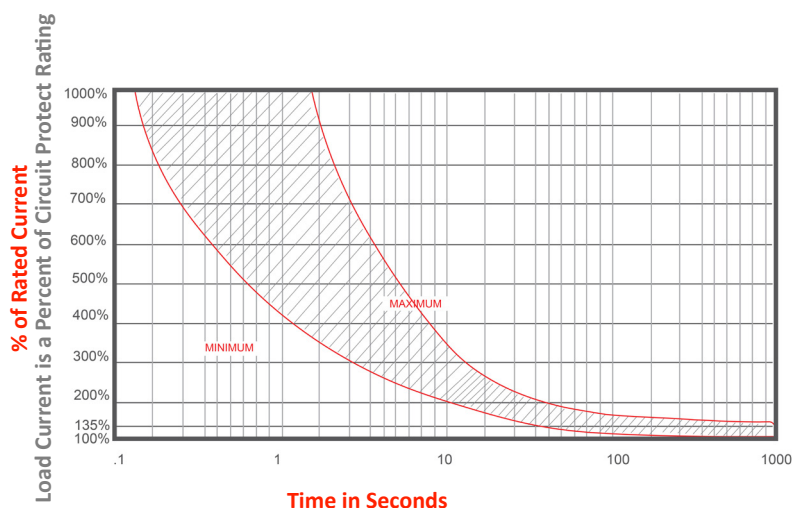


Unless Otherwise Specified All Dimensions Have a Tolerance of ± 0.008 in (0.2mm)

Retail Pack: Inches [mm]



Time vs. Percent of Rated Current



% of Rated Current	Min Hold Time	Max Hold Time
100%	No Trip (≥ 30 Minutes)	
135%	50s	30m
200%	12s	45s
300%	3.5s	15s

Trip time: Ambient temperature $25^{\circ}\text{C} \pm 3^{\circ}\text{C}$

Electrical Specifications

Voltage Rating	42VDC
Reset Type	Type III - Manual Reset
Interrupting Rating	3000A @ 30VDC (ABYC E-11)
Operation Temperature	$-40^{\circ}\text{F} \sim 185^{\circ}\text{F}$ $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$
Testing	SAE J553, IEC 60934

Material Specifications

Heavy Duty High Amp - Waterproof Circuit Breaker	
Body Material	Thermoset Plastic (UL94V-0)
Terminals Material	Nickel Plated
Terminals Configuration	1/4\"-28 Stud
Mounting Type	Surface Mount
Studs Torque	10.3 N.m max.
Mounting Torque	~ 13.6 N-m MAX
Ignition Protected	SAE J1171
Ingress Protection	IP67

Part Numbers Information

Amperage	Bulk Part #	Retail Pack # Blister Card	Pack Size
25A	153025	153025-BP	1
30A	153030	153030-BP	1
40A	153040	153040-BP	1
50A	153050	153050-BP	1
60A	153060	153060-BP	1
70A	153070	153070-BP	1
80A	153080	153080-BP	1
90A	153090	153090-BP	1
100A	153100	153100-BP	1
120A	153120	153120-BP	1
135A	153135	153135-BP	1
150A	153150	153150-BP	1
180A	153180	153180-BP	1
200A	153200	153200-BP	1

Rev	Date of issue	Revision Notes	Designed	Approved
H	08-20-2024	Updated Electrical Specifications	RC	OF