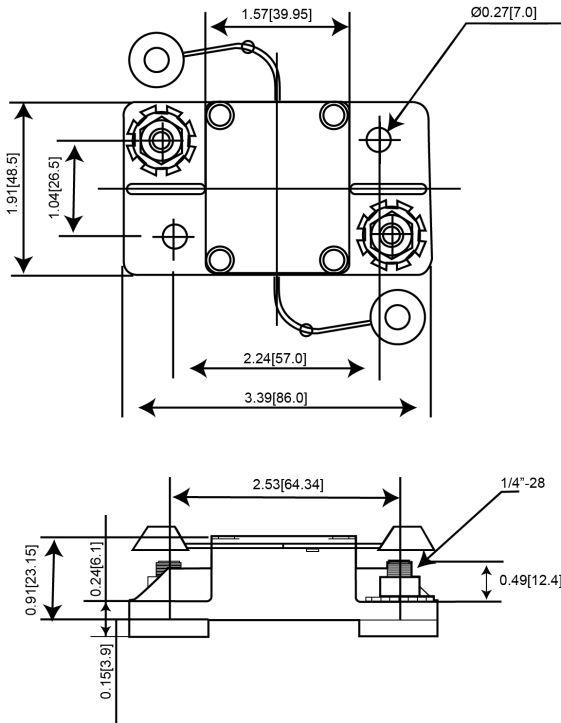


High Amperage Heavy Duty Circuit Breaker

251



Mechanical Dimensions: Inches [mm]

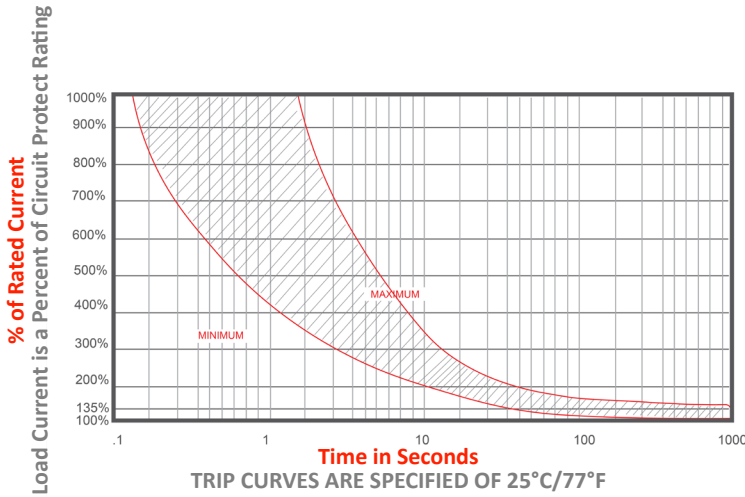


Unless Otherwise Specified All Dimensions Have a Tolerance of ± 0.008 in (0.2mm)

Part Numbers Information

Optifuse P/N	Current
251025	25A
251030	30A
251040	40A
251050	50A
251060	60A
251070	70A
251080	80A
251090	90A
251100	100A
251120	120A
251135	135A
251140	140A
251150	150A
251175	175A
251200	200A

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°C \pm 3°C

Electrical Specifications

Voltage Rating	48VDC
Reset Type	Type I - Auto Reset
Interrupting Rating	3000A @ 30VDC (25A-150A), 1500A @ 30VDC (175A-200A) (ABYC E-11)
Operation Temperature	-25 °F ~ 180 °F -32 °C ~ 82 °C
Testing	SAE J553, ABYC-E11

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

High Amperage Heavy Duty Circuit Breaker

251



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