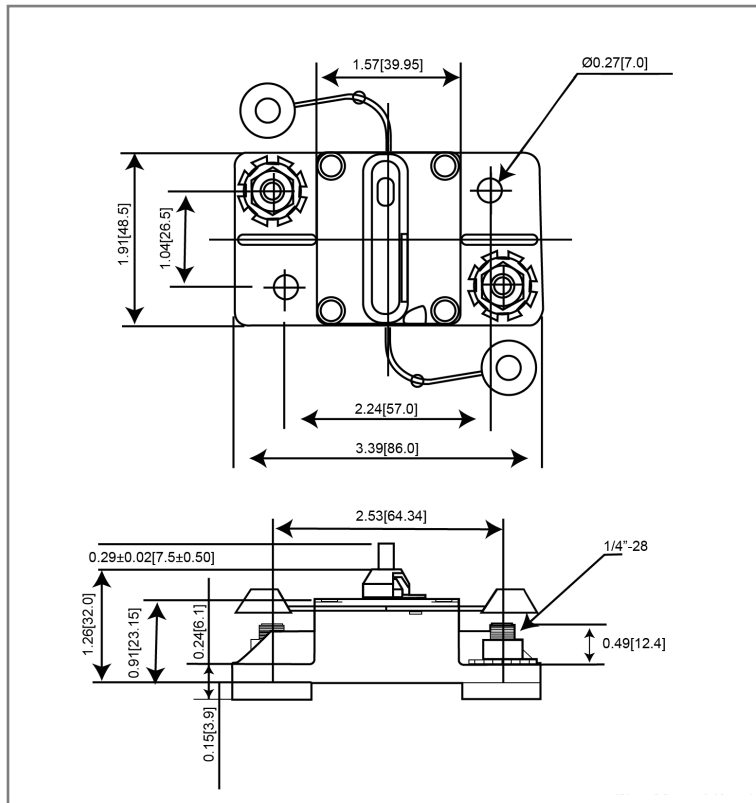


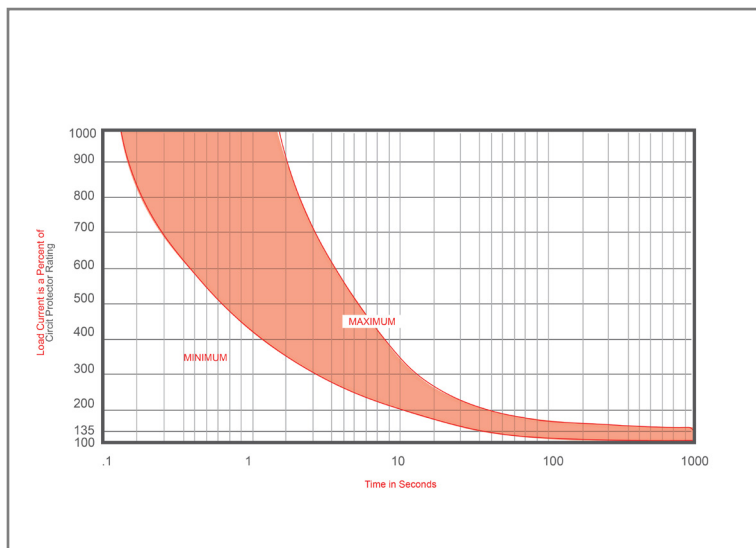
## Mechanical Dimensions: Inches [mm]



## Part Numbers Information

Optifuse P/N	Current
253025	25A
253030	30A
253040	40A
253050	50A
253060	60A
253070	70A
253080	80A
253090	90A
253100	100A
253120	120A
253135	135A
253140	140A
253150	150A
253175	175A
253200	200A
253250	250A

## 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 ± 3°C

## Electrical Specifications

Voltage Rating	48VDC
Reset Type	Type III - Manual Reset
Interrupting Rating	3000A @ 30VDC (25A-150A), 1500A @ 30VDC (175A-200A)
Operation Temperature	-25° F ~ 180° F
Compliances	SAE J1625, SAE J1171, ABYC-E11, UL1077

## Material Specifications

High Amp - Waterproof Circuit Breaker   IP67	
Body Material	Thermoset Plastic (UL94V-0)
Terminals Configuration	1/4"-28 Stud
Mounting Type	Surface Mount
Mounting Torque Stud Torque	40in-lb Max 50in-lb Max



**Rev**    **Date of issue**    **Revision Notes**

**Designed**    **Approved**

A	11-19-2021	Initial Drawing	RC	OF
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