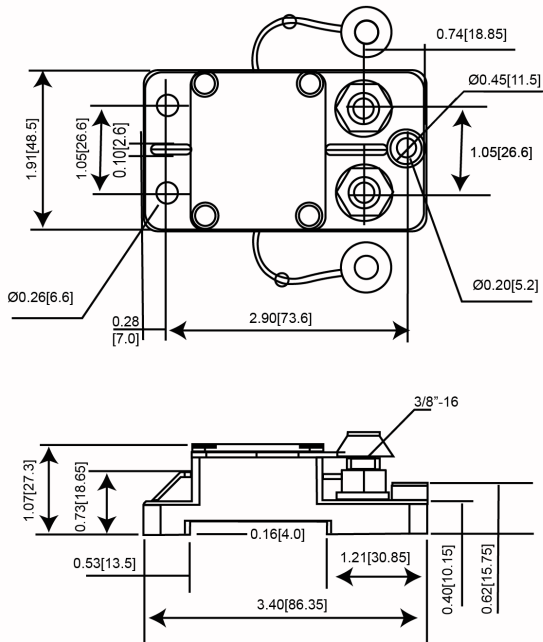


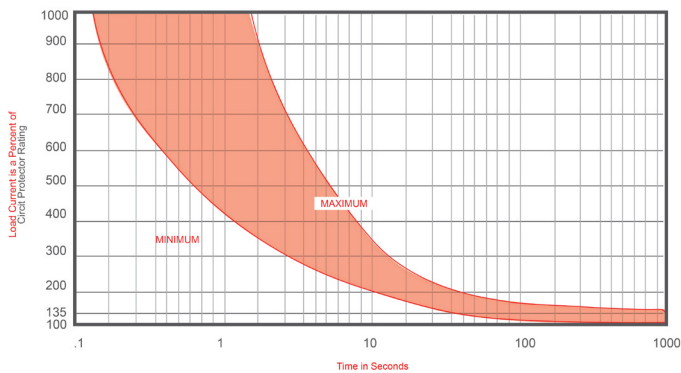
## Mechanical Dimensions: Inches [mm]



## Part Numbers Information

| Optifuse P/N | Current |
|--------------|---------|
| 551025       | 25A     |
| 551030       | 30A     |
| 551040       | 40A     |
| 551050       | 50A     |
| 551060       | 60A     |
| 551070       | 70A     |
| 551080       | 80A     |
| 551090       | 90A     |
| 551100       | 100A    |
| 551120       | 120A    |
| 551135       | 135A    |
| 551140       | 140A    |
| 551150       | 150A    |
| 551175       | 175A    |
| 551200       | 200A    |
| 551250       | 250A    |
| 551300       | 300A    |

## 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        | 42VDC (25A-200A),<br>14VDC (250A-300A)                 |
| Reset Type            | Type I - Auto Reset                                    |
| Interrupting Rating   | 3000A @ 30VDC (25A-150A),<br>1500A @ 30VDC (175A-300A) |
| Operation Temperature | -25° F ~ 180° F                                        |
| Compliances           | SAE J1625, SAE J1171,<br>ABYC-E11, UL1077              |

## Material Specifications

In-Line Heavy Duty High Amp - Waterproof Circuit Breaker | IP67

|                         |                             |
|-------------------------|-----------------------------|
| Body Material           | Thermoset Plastic (UL94V-0) |
| Terminals Configuration | 3/8\"-16 Stud               |
| Mounting Type           | Surface Mount               |
| Mounting Torque         | 40in-lb Max                 |
| Stud Torque             | 50in-lb Max                 |

| Rev | Date of issue | Revision Notes |
|-----|---------------|----------------|
|-----|---------------|----------------|

| Designed | Approved |
|----------|----------|
|----------|----------|

|   |            |                 |    |    |
|---|------------|-----------------|----|----|
| A | 11-19-2021 | Initial Drawing | RC | OF |
|---|------------|-----------------|----|----|