

## Thermal Device HiAmp Circuit Breaker

IP 67 30~300Amp

### Surface Mount

**77000-9900 = Type III + Switch (Switchable / Manual)**  
**9900 Series Rating Amp 30~ 150Amp**  
 77000-9900-050 : 9900 Seires in 50 Amp

**77000-9800 = Type III (Manual Reset)**  
**9800 Series Rating Amp 30~ 150Amp**  
 77000-9800-150 : 9800 Seires in 150 Amp

**77000-9700 = Type I (Auto Reset)**  
**9700 Series Rating Amp 30~ 150Amp**  
 77000-9700-030 : 9700 Seires in 30 Amp

Circuit Breaker Type	Single pole, Thermal device
Rating	30~250A, @32Vdc @48Vdc
Interrupt Capacity	30~150A 3KA@14Vdc (Type III)
	30~150A 3KA@48Vdc (Type III)
	30~150A 3KA@30Vdc (Type I)
	160~250A 3KA@14Vdc (Type III)
	160~300A 3KA@48Vdc (Type I)
Operation Temperature	-22°F to 176°F
Storage Temperature	-22°F to 284°F
Housing	Thermal plastic UL rated 94V0
Splash and dust proof	IP67 grade
Standard	meet S.A.E. J1625, J1171, ABYC E-11 UL1500 (Ignition protection)
Stud size	1/4"-28t   3/8"-16t for Wide SM
Torque rating	88in-lb (10Nm) max.
Insulation Resistance	100M, 500VDC
Dielectric Strength	1800V 1 minute
Rivet and Stud	Copper with nickel plated

### Panel Mount

**77000-9600 = Type III+Switch (Switchable / Manual)**  
**9600 Series Rating Amp 30~ 150Amp**  
 77000-9600-100 : 9600 Seires in 100 Amp

**77000-9500 = Type III (Manual Reset)**  
**9500 Series Rating Amp 30~ 150Amp**  
 77000-9500-120 : 9500 Seires in 120 Amp

**77000-9400 = Type I (Auto Reset)**  
**9400 Series Rating Amp 30~ 150Amp**  
 77000-9400-130 : 9400 Seires in 130 Amp

### Wide Surface Mount

**77000-9300 = Type III + Switch (Switchable / Manual)**  
**9300 Series Rating Amp 160~ 250Amp**  
 77000-9300-250 : 9300 Seires in 250 Amp

**77000-9200 = Type III (Manual Reset)**  
**9200 Series Rating Amp 160~ 250Amp**  
 77000-9200-200 : 9200 Seires in 200 Amp

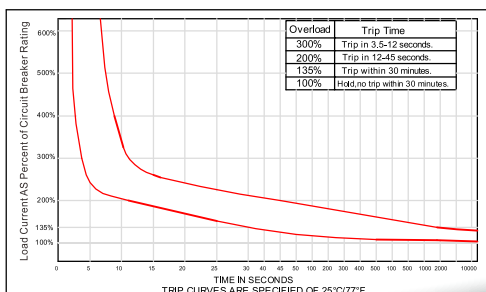
**77000-9100 = Type I (Auto Reset)**  
**9100 Series Rating Amp 160~ 300Amp**  
 77000-9100-300 : 9100 Seires in 300 Amp

### Trip Time Curves

• Trip Time

- 100% of rated current: Hold, no trip within 30 minutes.
- 135% of rated current: Trip within 30 minutes.
- 200% of rated current: Trip in 12-45 seconds.
- 300% of rated current: Trip in 3.5-12 seconds.

### • Trip Time Curves



### Temp Derating Curves

• Temperature Derating Curves

