

SCB16 Series Thermal Circuit Breaker

Hi Amp ; Single Pole

•Technical data

Rating: 30-250A, 48VDC.

Interrupt Rating:

2,000A / 32VDC. Type I

2,000A / 14VDC. Type III

1,500A / 48VDC. Type III

Operating Temperature Rating: -30°C to 80°C

Storage Temperature Rating: -30°C to 140°C

Materials: UL-Rated 94V-0 Thermosetting plastics body.
Nickel-plated copper alloy stud.

Insulation Resistance:100M,500VDC

Dielectric Strength:1800V 1 minute

Meet SAE J1625; J1171; UL1500

Torque rating :10 N.m (Max)

Stud size: 1/4"-28t

•Trip Time

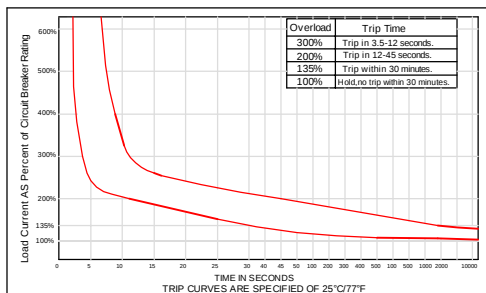
100% of rated current: Hold,no trip within 30 minutes.

135% of rated current: Trip within 30 minutes.

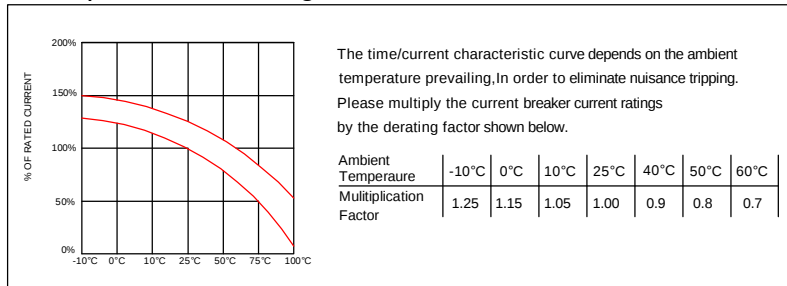
200% of rated current: Trip in 12-45 seconds.

300% of rated current: Trip in 3.5-12 seconds.

• Trip Time Curves

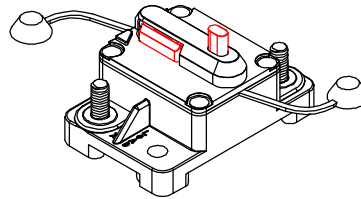


• Temperature Derating Curves

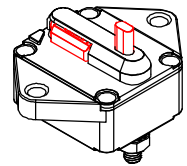


Surface Mount

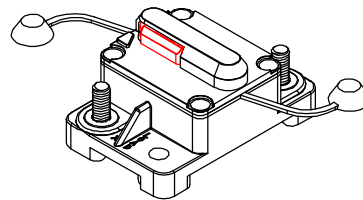
Panel Mount



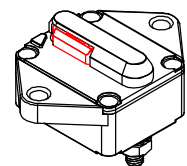
SCB16-8F=Type III+Switch
(Switchable/Manual)



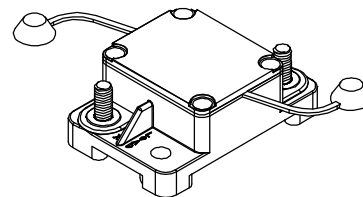
SCB16-8P=Type III+Switch
(Switchable/Manual)



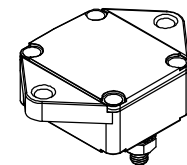
SCB16-3F=Type III
(Manual Reset)



SCB16-3P=Type III
(Manual Reset)



SCB16-1F=Type I
(Auto Reset)



SCB16-1P=Type I
(Auto Reset)

SCB16-XX-XXX-XX

Customer code

Size

S= Small size (30A-150A)
L= Large size (160A-250A)
P= Panel Mount (30A-150A)

Amp Rating

030= 30A	110=110A
040= 40A	120=120A
050= 50A	130=130A
060= 60A	140=140A
070= 70A	150=150A
080= 80A	160=160A
090= 90A	180=180A
100=100A	200=200A
	250=250A

Fixed mode

F=Surface Mount
P=Panel Mount

Actuation mode

1=Type I (Auto Reset)
3=Type III (Manual Reset)
8=Type III+Switch (witchable/Manua)