

Technical Data

Voltage rating: 125/250 Vac 24Vdc

Current rating: 1.0Amp-15.0Amp

Interrupting capacity: 200Amp 125VAC

Dielectric strength: Test voltage AC 1,500V

Voltage drop: <0.25V

Reset time: 200% of rating current within 50 seconds

150% of rating current within 5 minutes

Insulation resistance: >100M OHM

Approvals: UL CUL

SW97 series Autoreset Thermal Protectors

Electrical data (at 25°C)

Calibration:

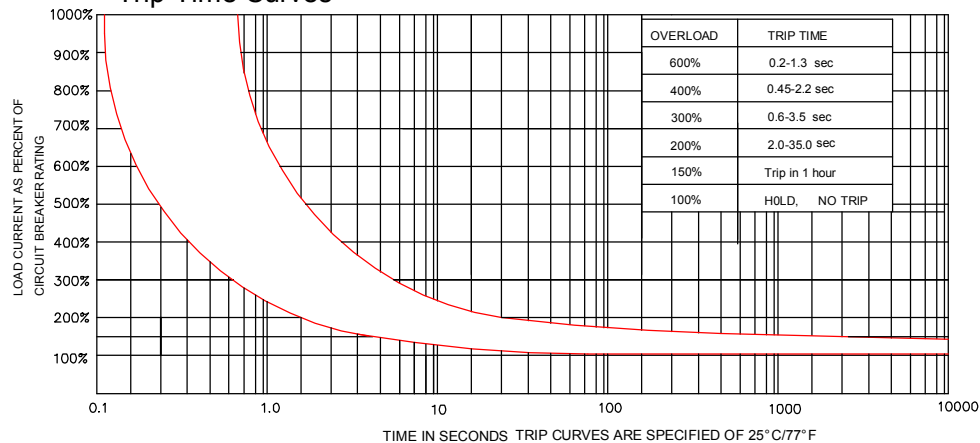
Will continuously carry 100% of rating

May trip between 101%~149%,but must trip at 150% of rating

200% of rating current 2.0~35 sec

300% of rating current 0.6~3.5 sec

Trip Time Curves



Temperature	0°C	5°C	15°C	25°C	35°C	45°C	55°C	65°C
Derating Factor	X1.25	X1.15	X1.08	X1.00	X0.92	X0.85	X0.75	X0.65

The time/current characteristic curve depends on the ambient temperature prevailing. In order to eliminate nuisance tripping. Please multiply the current breaker current ratings by the derating factor shown below.

Max resistance V.S Current rating at 25°C	
Amp rating	Max resistance
0.8-1.2 Amp	<0.65 ohm
1.25-2.0 Amp	<0.15 ohm
2.1-2.9 Amp	<0.1 ohm
3.0-4.0 Amp	<0.075 ohm
4.1-6.0 Amp	<0.06 ohm
6.1-8.0 Amp	<0.05 ohm
8.1-10.0 Amp	<0.045 ohm
11.0-15.0 Amp	<0.040 ohm

5				TOLERANCE		APPROVED	CHECK	DESING	DRAWER	UNIT	mm	
4				DIMENSION	TOLERANCE					SCALE	1:1	
3				XX.XX	±0.05					REV	B/1	
2				XX.X	±0.1					DATE	2009.12.30	
1				XX	±0.15							
				ANGLE	TOLERANCE	FILE NO	SW97 series Autoreset Thermal Protectors			TITLE	Data	
				X	±1°					SWEETA PRODUCTS CORPORATION	DRAWING NO	981229007
NO	DESCRIPTION	APPROVED	DATE	X.X	±0.5°							

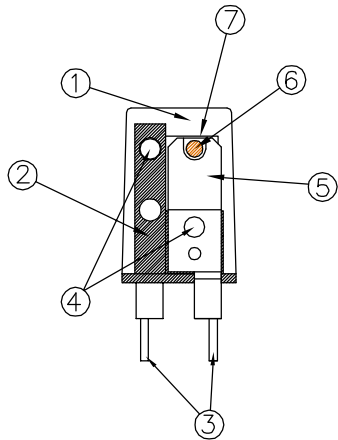
SW97 series Order Guide

SW97 - 1000 - A

Series No Amp Rating Terminal Type

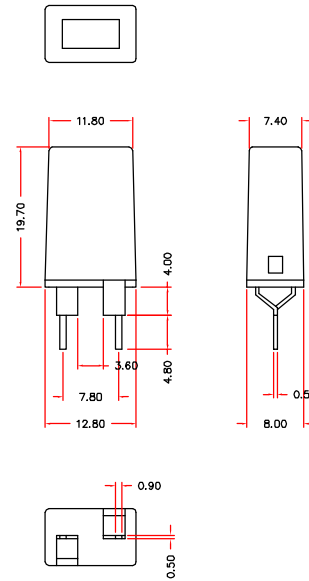
0080=0.8A 0400=4.0A
 0100=1.0A 0500=5.0A
 0125=1.25A 0600=6.0A
 0150=1.5A 0700=7.0A
 0175=1.75A 0800=8.0A
 0200=2.0A 0900=9.0A
 0250=2.5A 1000=10.0A
 0275=2.75A 1200=12.0A
 0300=3.0A 1300=13.0A
 0350=3.5A 1500=15.0A

A=P.C.B. 0.5X0.9mm
 B=2.8mm S.Q.Terminal

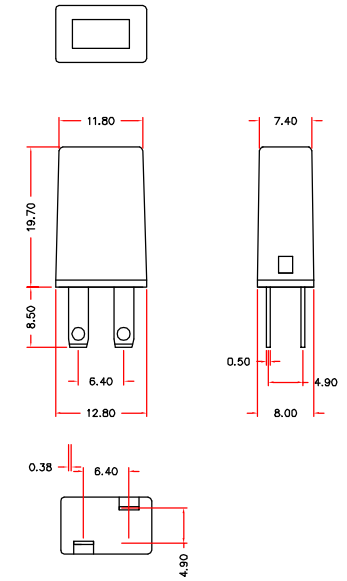


Material List

NO	Name	Material	Q'TY
1.	Case	Nylon-66 94-V0	1pc
2.	Baby	Nylon-66 94-V0	1pc
3.	Terminals	C2680 T=0.5mm	2pcs
4.	Rivets	CopperE Alloy	2pcs
5.	Bimetal	EMS, Sumitomo	1pc
6.	Contact	AgSnO2 T=0.4mm	1pc
7.	Contact	AgNi T=0.35mm	1pc



SW97-XXXX-A
(Terminal=PCB Type)



SW97-XXXX-B
(Terminal=2.8mm S.Q Type)

△5				TOLERANCE		APPROVED	CHECK	DESING	DRAWER	UNIT	mm	
△4				DIMENSION	TOLERANCE					SCALE	1:1	
△3				XX.XX	±0.05					REV	B/1	
△2				XX.X	±0.1					DATE	2009.12.30	
△1				XX	±0.15							
				ANGLE	TOLERANCE	FILE NO	SW97 series Autoreset Thermal Protectors			TITLE	Data-2	
				X	±1°							
NO	DESCRIPTION	APPROVED	DATE	X.X	±0.5°					SWEETA PRODUCTS CORPORATION		