

## Introduction of Product

### Product use:

The AM03 series of Overheat Protector is a kind of overheat protect production which rated current is up to 5 A, being mainly used for overheat protection caused by non-normal working status of single-phase motor (AC 50 Hz, 220 V) and plastic sealed motor. It also can be used for overheat protection and temperature control in heating, fluorescent lamps rectifier, transformer, integrated circuit...etc. general electric equipments.

### Structure characteristics:

The AM03 series of Overheat Protector uses fix-formed dual-sheet metals to be thermal sensing reaction component.

When the heat caused by the temperature or electric current increasing is transmitted to dual-sheet metals and is up to an scheduled number, The contact will be interrupted and the circuit will be turned off. When the temperature descends to scheduled initial value, dual-sheet metals recovers quickly, making the contact to close, connecting the circuit.

There are two kinds of protector with different shells. One uses engineering plastics which can resist high temperature and fire. The other uses metals. It have some characteristics including small and intelligent volume, high sensitivity, large capacity contact, long life span etc.



### Basic parameter:

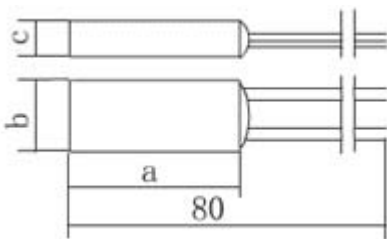
Rated Voltage / Rated Current: AC 250 V/5 A ,DC 12,24,36 V/5 A

Rated Break Temperature: 40-150°C ,5°C is one stage, standard deviation of break temperature is  $\pm 5^\circ\text{C}$

Reset Temperature: reset temperature is 5-50°C lower than scheduled break temperature, allowed deviation of resets temperature:  $\pm 15^\circ\text{C}$

Models	Material of Shell	a(mm)	b(mm)	c(mm)
TO AM03-XXXm	Ironic	15	6.7	3.1
TO AM03-XXX	Plastic	15	7.2	3.8

### Shape and installation size:



### Technique parameter:

Rated Voltage	AC 250V	Insulation Resistance	$\geq 100\text{M}\Omega$
Rated Current	5 A	Pressure Resistance	2KV
Contact Resistance	$\leq 50\text{m}\Omega$	Mechanical Life	> 10000 times