

8AME 超大电流热保护器 Big current thermal protector

8AME超大电流热保护器是同时具有过温保护和精准控制电流过载的过热保护元件。能有效地防止大功率电机、变压器等,因电流过大,温度过高而产生的损害。



产品特性

- 电气容量大、长寿命和高可靠性;
- 非常精确的跳闸时间,防止马达温度过高;
- 具备有感应电流及温度而动作之双重性能。

设计原理

温度保护原理:

8AME系列热保护器能够精确控制电器温度。电流通过WUYUE双金属簧片,当电器不能正常工作,使周围温度过高时,热保护器的双金属簧片断开银触点,使电器得到保护。当热保护器冷却到安全温度时,触点自动闭合复位。

电流过载保护原理:

8AME系列热保护器中的辅助发热片与双金属片匹配在一起,具有精确控制过载电流跳脱时间的作用。当(电机、变压器等)发生电流过大或堵转电流超过热保护器设定的跳脱值时,保护器能瞬间切断电路,使电器得到保护。

8AME series are both temperature and current sensitive. They can protect the applications like motor or transformer from over heating or loading.



Special features

- High current, long life & high reliability;
- Accurate tripping off time;
- Both current and temperature sensing.

Design Principles

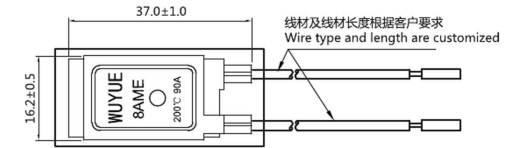
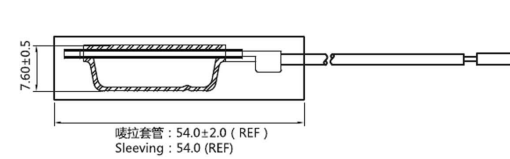
Temperature protection:

When ambient temperature exceeds the specified value, the inside bimetal of 8AME series will trip off to cut the circuit. When the temperature lowers down, the bimetal will reset and the circuit is connected again.

Current protection:

Auxiliary heater works together with bimetal, which can control the trip off time precisely. When the current exceeds the prescribed value, 8AME will cut the circuit immediately.

尺寸图 Dimensional Drawings



跳闸电气规格 Electrical Specifications

- 125V AC/250V AC : 5~90A
- 12V DC/24V DC : 5~90A
- 电流跳脱值设计范围 : 5~90A
- R/T25°C电流检测标准 :
4-10秒(可按客户要求制定)

应用范围

- 电动工具、搅拌机、潜水泵、高压清洗机
- 分相马达、电容启动马达、汽车马达
- 洗衣机、吸尘器、镇流器、变压器

温度范围及公差 Temperature Range and Tolerance

动作温度 Operating temperature
60~200°C, 每5°C一个规格 (A specification for each 5°C)
动作温度公差 Operating temperature tolerance
±5°C, ±8°C

Application

- Electrical tools, mixer, pump and cleaners
- Motors
- Washing machines, ballasts, transformers