

ST03 SERIES

热保护器&温控开关&温度开关



KEY BENEFITS 产品优势

- The size of ST03 thermal protector is the smallest in the world, easy for installation.
- Accurate temperature response and sensitive, reliable performance.
- 热保护器体积全球最小，便于安装。
- 动作灵敏，感温精准，性能可靠。

APPLICATION 应用范围

- Electric field
- Switching power supply
- Welding machine
- Lithium-ion battery packs protection board
- Fire alarm etc
- 电控领域
- 开关电源
- 电焊机
- 锂离子保护板
- 消防报警等

KEY SPECIFICATIONS/SPECIAL FEATURES 性能参数

- Nominal Operating Temperature:60-100°C
- Tolerance:(+/-)5k,10k,15k
- Reset Temperature:Generally two-thirds of
- The operating temp.+/-15k size:10.5*5.1*1.7mm
- Standard working current:<24V,500mA
- Cycles at standard working current:10000
- Contact resistance:less then 10Ω with standard lead length
- Insulation voltage:2.5KV
- Standard lead wire:UL3398/3266 AWG24 standard lead length:L1=L2=60±10mm
- 额定动作温度，每5度成系列(Tk):60-100°C
- 标准公差：±5K,±10K,±15K
- 复位温度范围：动作温度的三分之二±15K
- 体积：10.5*5.1*1.7mm
- 额定电流：<24V,500mA
- 在额定电流情况下开关次数：10000次
- 接触电阻：标准引线长度产品的接触电阻应不大于10Ω
- 绝缘电压：2.5KV
- 标准导线：UL3398/3266 AWG24
- 导线标准长度：:L1=L2=60±10mm

ST08 SERIES



ST08 series are both temperature and current sensitive. They can protect motor from over heating or loading.

ST08是一款同时具有过流、感温双重保护功能的保护元件，它能够精确控制电机堵转或过载电流，以减少对电机的损伤。

SPECIAL FEATURES 特性

- Small size, long life and high reliability.
- High level bimetal ensures that it can withstand the current of normal circuit.
- The combination of bimetal and heater can action snappily.
- Accurate trip off time can prevent motor from overheating.
- Both temperature and current sensitive.
- Terminals are optional and customized.
- Wires are optional and customized.
- Sealed sleeving can make the protector varnishing proof.
- 体积小、长寿命和高可靠性。
- 使用导电性能良好的双金属材料，确保其可承受正常回路电流的要求。
- 双金属片与电热丝组合具有快速跳脱性。
- 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。
- 每款零件均严格执行欧洲ROHS的环保标准。
- 端子有多款种类，可供灵活选择：一端出端子的ST08-A或两端出端子的ST08-B。
- 可依客户要求制作特定的规格或绑线服务。

APPLICATION 应用范围

- Window-lifts; Sunroof motor; Aerial Tuning Motor
- Wipers; Door locks; Adjuster-Motors
- Various washing machines, vacuum cleaners and gardening equipments
- 车窗马达、天窗马达、天线马达
- 雨刷发动机、滑门发动机、调节器发动机
- 多种洗衣机、吸尘器、园林设备

ELECTRICAL RATINGS 电气规格

- 30A/15V DC
- 15A/30V DC
- 18A/250V AC
- 28A/125V AC

TECHNICAL PARAMETERS 技术参数

- Action temperature range: 50°C~180°C
- Temperature tolerance: ±2°C,±3°C,±5°C
- Trip off current range: 3~32A
- Trip off time: 4~10S or customizing
- 使用温度范围：50°C~180°C
- 温度公差：±2°C,±3°C,±5°C
- 选择控制过载电流跳脱范围：3~32A
- 跳脱时间：4~10S