KW 热保护器
Thermal protector

KW热保护器外壳为环保型导热PBT塑料，该产品体积小，动作灵敏，性能可靠，抗电强度高，便于安装，是一个被广泛应用的热保护元件。

KW is a small size bimetal thermal protector that is widely used in many industries. The case can be metal or plastic.

产品特性

- 具有感应电流及感应温度而动作之双重性能；
- 坚硬外壳支撑使保护内部元件不受浸漆和机械外力破坏；
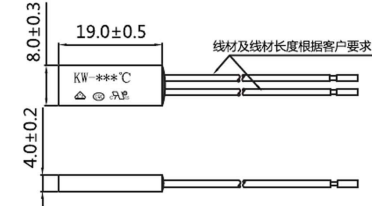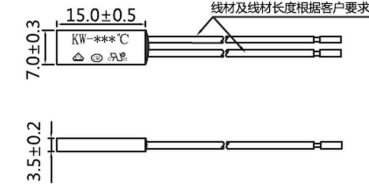- 精确的动作温度，不会出现动作蠕动现象；
- 每款零件均严格执行欧洲ROHS的环保标准。

Special features

- Has induced current and temperature sensing movement of dualperformance;
- Hard shell protects the internal components from the support to makedipping and mechanical external damage;
- Precise operating temperature, operation of the creep phenomenon doesnot occur;
- Each parts are strict implementation of the European ROHSenvironmental standards.

设计原理

KW热保护器当电流通过有阻抗的双金属元件，随电流增大或周围温度升高至设定温度值时，双金属元件迅速动作，打开触点，切断电路。当装置冷却到安全工作温度时，触点自动闭合，恢复通电。KW热保护器全封闭的结构能使元件免受灰尘或杂质的污染以及外力的损坏。

Design Principles

When ambient temperature increase to the prescribed value, the bimetal inside would sense the heat and trip the circuit off. When temperature is decreased down, it would reset again. KW thermal protector has sealed case, which would protect the parts inside from damaging or polluting.

尺寸图 Dimensional Drawings

尺寸图

电气规格
Electrical Specifications

- 8A/24V DC
- 6A/250V AC
- 8A/125V AC

温度范围及公差
Temperature Range and Tolerance

动作温度公差 Operating temperature tolerance
±3℃，±5℃
复位温度公差 Reset temperature tolerance
± 10℃(仅供参考) (For reference only)

应用范围

- 电机、马达
- 电池类产品
- 电子镇流器、照明灯具
- 电热垫、电热毯
- 过胶机、电动工具、充电器、变压器
- 小家电

Application

- Various motors
- Pumps, air compressors and cleaners
- Fluorescent ballasts and lightings
- Heating element
- Electrical tools, chargers, transformers
- Home appliances, heating appliances

温度代号Temperature code

温度编码	动作温度	复位温度
KW-55℃	55℃	45℃
KW-60℃	60℃	46℃
KW-65℃	65℃	49℃
KW-70℃	70℃	51℃
KW-75℃	75℃	53℃
KW-80℃	80℃	55℃
KW-85℃	85℃	57℃
KW-90℃	90℃	59℃
KW-95℃	95℃	62℃
KW-100℃	100℃	64℃
KW-105℃	105℃	67℃
KW-110℃	110℃	70℃
KW-115℃	115℃	73℃
KW-120℃	120℃	76℃
KW-125℃	125℃	79℃
KW-130℃	130℃	83℃
KW-135℃	135℃	86℃
KW-140℃	140℃	90℃
KW-145℃	145℃	94℃
KW-150℃	150℃	96℃
KW-155℃	155℃	101℃
KW-160℃	160℃	105℃