

# ST06 SERIES

/ 电机超温保护器&温度保护器&热保护器



## KEY BENEFITS 产品优势

- Good sealed.
- Small size, suitable to be embedded inside coil.
- Metal case, up to 50 KG coil shaping pressure, has high thermal conductivity and temperature sensitive.
- Pure temperature action type products, bimetal-disc without current and heat effect, accurate temperature control.
- 密封性好
- 体积小, 适合内埋于线圈内部
- 金属外壳, 能承受50KG的线圈整形压力, 热传导性好, 对温度敏感
- 纯温度型产品, 电流不经过双片, 没有电流热效应, 控温准确

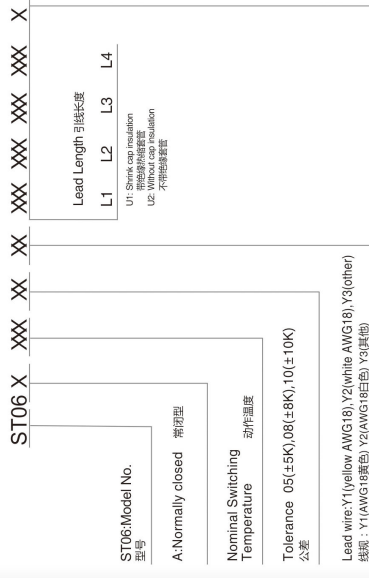
## APPLICATION 应用范围

- Motors
- Transformers
- Coils
- Electronics,sensor
- 电机
- 变压器
- 线圈
- 电子产品、传感器

## Integration of resources 配套技术

- Integration of global supply chain resources, we purchase bimetal-disc from the world's largest bimetal-disc material manufacturer EMS in the United States, and the case is made of precision CNC cutting.
- Metal dome which material comes from Japan and manufactured by Japanese stamping supplier.
- The key component bimetal-disc produced by fully automated molding equipment and sorted by tunnel oven separation equipment is good consistency and stable performance.
- 整合全球供应链资源, 双片采用全球最大的双片制造商美国EMS的材料, 外壳采用精密CNC切削而成。
- 铜片子采用日本的材料, 由日本冲压件供应商生产加工。
- 核心部件双片采用全自动化成型设备和温度筛选隧道密生产检测, 一致性好, 性能稳定。

## CODE SYSTEM 命名规则



## MARKING 标识



SAFTTY: Company name 广州宏的电子  
ST06: Model No. 产品型号  
120: Nominal Switching Temperature (120°C) 动作温度  
05: Tolerance(±5K)公差

## TECHNICAL DATA 技术参数表

	Normally closed 常闭型
Nominal Switching Temperature, in 5K-step 动作温度(每5°C为一档)	60~200°C
Tolerance-Standard 公差	±5K/±8K/±10K
Reset temperature range 复位温度范围	≥35°C (≤95°C NST) -50K±15K (100°C≤NST≤180°C)
Operating voltage 额定电压	250VAC
Cycles at cosφ1.0 寿命	10A/10000cycles
Cycles at cosφ0.6 寿命	6.3A/10000cycles
Contact resistance 接触电阻(65mm线长)	≤50mΩ
Insulation voltage 绝缘电压	1.5KV
Insulation sleeve length 绝缘套管长度	16mm
Diameter 直径	10mm
Height 高	6.7mm
Lead wire(standard)标准引线	0.75mm /AWG18
Outgoing line length-standard 标准线的长度	55mm

## CERTIFICATION 认证

Agency	Standard No.	File No.	Application	NST(°C)
UL	UL 60730-2-2	E 336150	Thermal motor protector	60-180°C
VDE	EN 60730-2-2	40047121	Motor protector, thermal	60-200°C