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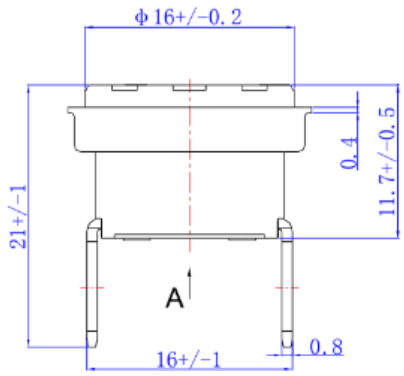
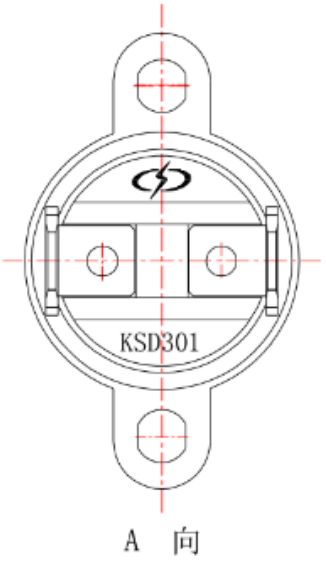
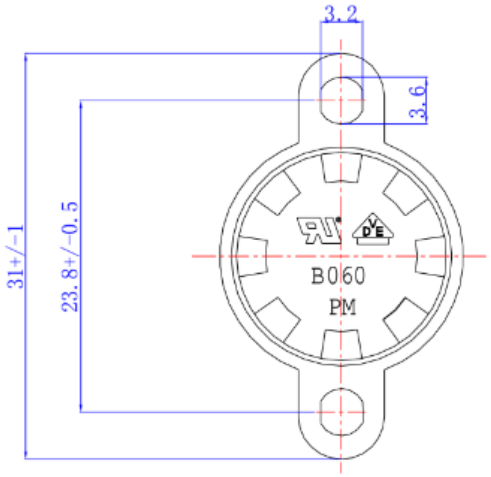
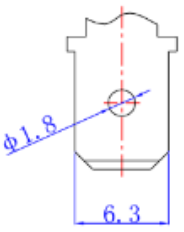
Circuit Protector 60 degree (Normal Close)









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技术要求(Technology Specification)

1、电气性能(Electric Performance)：

额定电压/电流(Rated Voltage/Current):
250V/125V,10A/15A

IP-防护等级(Protection Degree)： IP00级

寿命 (Operation Cycles)：CQC、TUV 10000
VDE、UL 100000

接触电阻 (Resistance of Contact)：≤50mΩ

绝缘电阻(Resistance of Insulated):≥100MΩ

耐压(Test Voltage):≥1500V/1min (Normality)

2、适用标准 (Relevant Standards)

UL873,CSA C22.2 NO 24-93
EN 60730-1 2012-10
EN 60730-2-9:2011-07
GB14536.1-1998 idt IEC 60730-1-2008
GB14536.10-1996 idt IEC 60730-2-9-2010

3、证书号码 (Certificate No)：

☐ CQC: CQC04002009127
☐ TUV: 50035898
√ VDE: 40020934
√ U L: 20041130 E251340

4、客户代码：S.375

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1. 型号命名 (Type Designation)

KSD.301-XXX/XX X X X X

- 触点接触状态：B常闭、K常开
  Contact status:Nomally Closed、Nomally Open
- A/C. 6.3x0.8 端子 flat push-on connectors
- B/D .4.8x0.8端子 flat push-on connectors
- B/C.陶瓷壳体 ceramic material
- P.塑料电木壳体PF（plastic） material
- S.高温塑料壳体 high-temp material
- 铝盖及安装固定环 Shell and fixed bracket
- 电流(Rated Current)250V(1-10A)/125V(1-15A)
- 动作温度 Switching Temperature
- 产品设计型号Type Code

0～150℃ 塑料电木壳体(0～150℃ for KSD301XPZ)
0～210℃ 陶瓷壳体(0～210℃ for KSD301XCZ)
0～180℃ 高温塑料壳体（0～180℃ forKSD301XSZ）

2. 适用标准(Relevant Standards)

UL873, CSA C22.2 NO 24-93
EN60730-1 2012-10
EN60730-2-9:2011-07
GB14536.1-2008 idt IEC60730-1-2008
GB14536.10-2008 idt IEC60730-2-9-2010

3. 电气性能(Electric Performance)：

额定电压(Rated Voltage): AC250V/AC125V 50~60Hz
额定电流(Rated Current):1-10A/1-15A of Resistive Load
开关类型和单极断开（Switch Type and Number of poles）: 1 pole opener
IP-防护等级（Protection Degree）: IP00
动作类型（Action Type）: 2.C
认证(Approved Symbol): CQC、T¨V VDE、 UL
寿命（Operation Cycles）: CQC、T¨V 10,000
VDE、 UL 100,000
所用绝缘材料PTI值(Insulation material PTI value):175V
接触电阻（Resistance of Contact）: ≤50mΩ(Original State)
绝缘电阻（Resistance of Insulated）: ≥100MΩ（DC500V Normality）
耐压(Test Voltage): ≥ 1500V/0.25mA/1min(Normality)

4. 端子应能承受的轴向力（Axis force that tab can endure）

作用于端子的轴向力 1min（如下表）不应有位移和损坏。

Axis force that Tab can endure for 1min, and no deformation and damage.

推力 thrust force (N)	拉力 pull force (N)	扭力 torque (N.m)
80	70	0.2

5. 标志 (Marking)

在温控器壳体上应标注商标 ⊂⊃, 额定电压 250V/125V（必要时）电流性质交流～，认证标志（必要时），型号标志 KSD301，动作温度标示应清晰、持久、耐用，应印在主体及不可拆部体上。

On the thermostat, our trade mark⊂⊃ ; voltage rating 250V/125V AC (necessary) ; approved symbol (necessary) .And item No.KSD301 should be carved. Switching temperature should be on the main part of the thermostat or on the part that cannot be torn up. The mark should be clear and durable.

6. 环境试验(Ambient test)

6.1 环境应力(Ambient resistance stress)

温控器在-10℃±2℃ 24h,+60℃±5℃ 4h,塑料件不应开裂、变形，温控器仍能正常工作。

Under the situation of -10℃±2℃ 24h,+60℃±5℃ 4h, the plastic parts should be no breaking and deformation, and the thermostat can work normally.

6.2 潮湿试验(Humidity resistance test)

温控器在相对湿度 91～95%温度在 20～30（±1℃）潮湿箱内处理 48h 应能承受 AC 1250V，频率 50Hz-60Hz 1min 不应产生闪络或击穿.

In the humid box of relative humidity 91-95%, temperature 20～30（±1℃） for 48 hours, the thermostat should endure voltage of 1250V AC. When the frequency is 50Hz-60Hz 1min, flashover and bumping is not allowed.

7. 温控器的发热(Heat resistance test)

温控器在比工作温度低 5℃±1℃环境条件下，通 10.6A 电流，它的端子温度不大于 230℃.

The contact temperature of thermostat is not higher than 230℃ in the circuit of 10.6A, at the temperature of less than 5℃±1℃ of working temperature.

8.动作方式(Action Forms)

■ 室温下触点接通（nc），温度上升触点断开，温度降低触恢复接通。
Normal close:Cut out at temperature rise,cut in at temperature decreasing.

☐ 室温下触点接通（nc），温度下降触点断开，温度上升触恢复接通。
Normal close:Cut out at temperature decreasing.,cut in at temperature rise.

☐ 室温下触点断开（no），温度上升触点接通，温度降低触恢复断开。
Nornal opon:Cut in at temperature rise, cut out at temperature decreasing.

☐ 室温下触点断开（no），温度下降触点接通，温度上升触恢复断开。
Nornal opon:Cut in at temperature decreasing, cut out at temperature rise.

☐ 室温下触点接通（nc），温度上升触点断开，温度降低手动复位接通。
Normal close:Cut out at temperature rise,manual reset at temperature decreasing.

9.手动复位产品（Manual reses product）

温控器手动复位产品所受复位力为：14-20N.

The reset prower for manual reset product is:14-20N