

CE系列

- 实现通电80A、通电、切断20A的1极小型功率继电器。

Miniature Single-pole Relay with 80A Surge Current and 20A Switching Current.

- 4.5KV绝缘强度（线圈与接点间）。

4.5kV dielectric strength (between coil and contacts)

- 符合UL、CSA空调规格，确保绝缘距离。

Creepage distance conforms to UL and CSA standards.

- 标准品采用耐焊剂构造。

Standard model available with flux protection construction.

- 外形尺寸：Dimensions: 30.5 x 16.0 x 23.4 mm

30.5 x 16.0 x 26.6 mm (PCB)

30.5 x 16.0 x 30.1 mm (Bracket)



■ 用途举例 Application Examples

RoHS

- 空调设备

■ 型号命名标准 Product Code Structure

| | | | | | |
|--|--------|----|-----|----|-------|
| 基本型号 CE | -12VDC | -A | -25 | -P | (XXX) |
| 线圈额定电压 Coil Voltage 03, 05, 06, 09, 12, 24, 48VDC | | | | | |
| 触点结构 Contact Arrangement A: FORM A(一组常开), | | | | | |
| 触点电流 Contact Current 25:25A | | | | | |
| Blank: PCB and Quick connect type P: PCB type B: Bracket cover | | | | | |
| 特殊标记 Special Code 无-- 标准型 Standard, (XXX) -- 客户特殊需求 Customer special requirement, | | | | | |

■ 线圈参数 Coil Data(DC)

| 额定电压 Rated voltage (V) | 额定电流 Rated current (mA) | 线圈电阻 Coil resistance (Ω) | 吸合电压 Operate voltage | 释放电压 Release voltage | 最大允许电压 Max release voltage | 额定功耗 Rated coil power |
|------------------------------|-------------------------------|--------------------------------|----------------------------|----------------------------|-------------------------------|-----------------------------|
| 3 | 300 | 10 | 70%以下 | 10%以上 | 160% | 0.9W |
| 5 | 179.85 | 28 | | | | |
| 6 | 150 | 40 | | | | |
| 9 | 100 | 90 | | | | |
| 12 | 75 | 160 | | | | |
| 24 | 37.5 | 640 | | | | |
| 48 | 18.75 | 2560 | | | | |

■ 触点参数 Contact Data

| | |
|------------------------------|--|
| 触点形式Contact Arrangement | 1A |
| 接触电阻Contact Resistance | 100mΩ MAX (1A/6VDC,) |
| 触点材料Contact Material | 银合金 Ag Alloy |
| 额定负载Contact Rating | 25A 277VAC (resistive) 1.5HP 125VAC 1.5HP 250VAC TV-10 120VAC inrush current: 80A 250VAC (COSθ=0.7) |
| 最大切换电压Max. Switching Voltage | 300VAC |
| 最大切换电流Max. Switching Current | 25A |
| 最大切换功率Max. Switching Power | 6925VA |
| 机械寿命Electrical Endurance | 1x10 ⁷ ops (at 18,000 ops /h) |
| 电气寿命Mechanical Endurance | 2x10 ⁵ ops (at:1800次/h, 马达负载 motor load) 1x10 ⁴ ops (at:1800次/h, 变频器负载frequency converter load) |

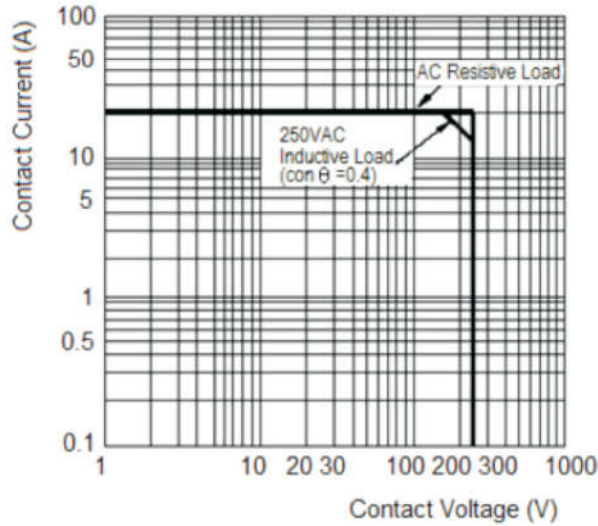
■ 性能参数 Characteristics

| | | |
|------------------------------------|---|-------------------------------|
| 吸合时间 Operate Time | ≤20ms; | |
| 释放时间 Release Time | ≤10ms | |
| 绝缘电阻 Insulation Resistance | 1000MΩ以上 (500VDC) | |
| 介质耐压 Dielectric Strength | 线圈触点间Between Contacts | AC4,500V 50/60Hz 1min |
| | 开路触点间Between Contact and Coil | AC1,500V 50/60Hz 1min |
| 振动 Vibration Resistance | 10~55~10Hz (双振幅1.5mm) (double amplitude 1.5mm) | |
| 冲击 Shock Resistance | 稳定性 Functional | 200m/S ² (20G) |
| | 强度 Endurance | 1000m/S ² (100G) |
| 温度范围 Ambient operating temperature | -20°C~+60 °C ; | |
| 湿度范围 Ambient operating humidity | 20-85%RH | |
| 引出端形式 Termination | pcd | |

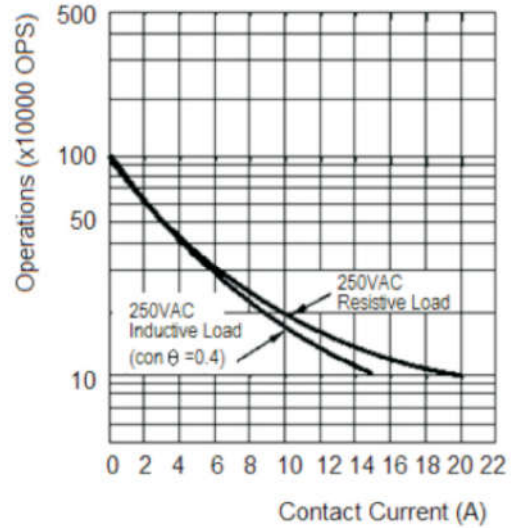
注：上述值均为初始值

性能参数 Characteristics

Maximum Switching Power

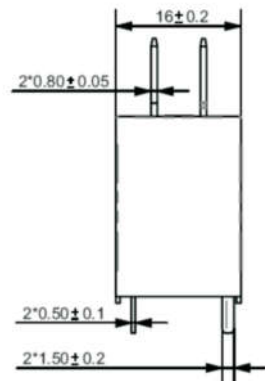
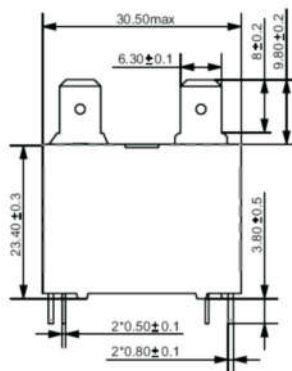
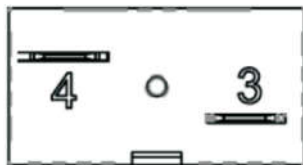


Endurance Curve

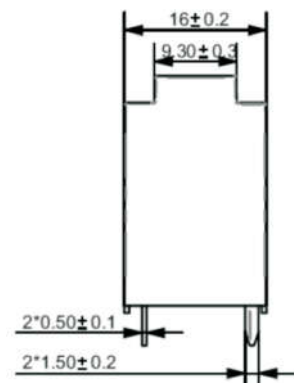
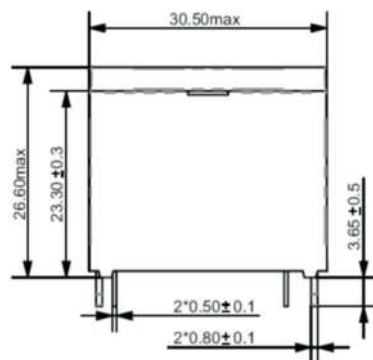
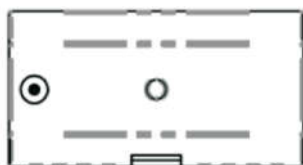


外形图、接线图、安装孔尺寸 Outline dimensions、PCB Layout、Wiring Diagram (mm)

Outline Dimensions
Standard type

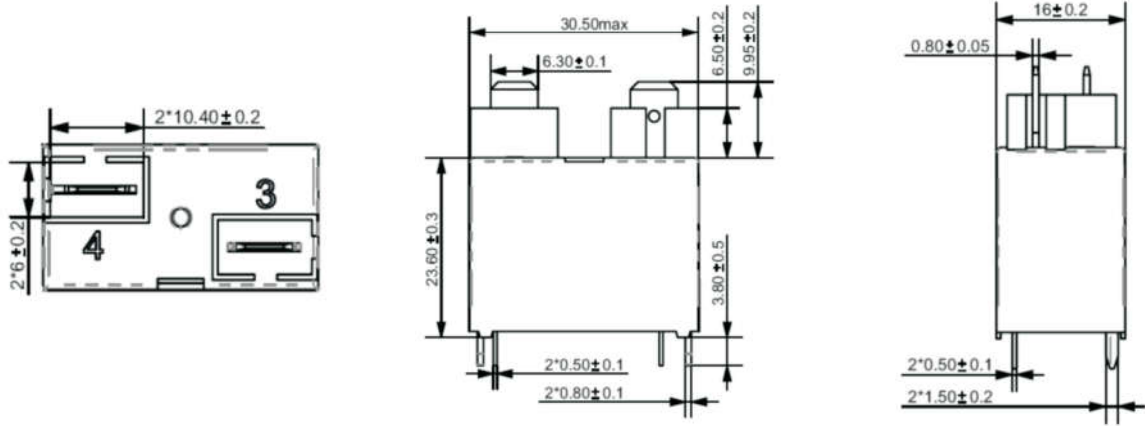


PCB type

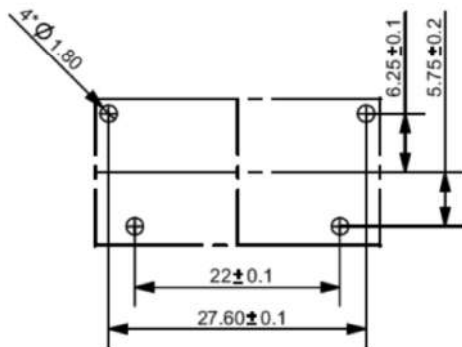


外形图、接线图、安装孔尺寸 Outline dimensions、PCB Layout、Wiring Diagram (mm)

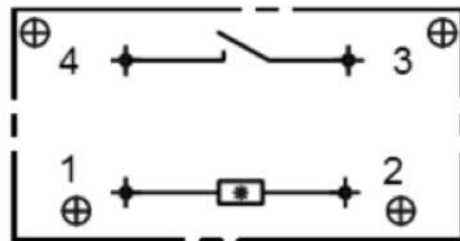
Bracket cover type



Mounting (Bottom views)



Wiring Diagram (Bottom views)



使用注意事项 Precautions

- 一般的注意事项请参考“印刷基板用继电器共通注意事项”。
- Please refer to “PCB Relays Common Precautions” for correct use.