
特点 Features:

- 触点容量: 10A触点切换能力
Contact switching capability: 10A.
- 可提供符合 IEC 60335-1 要求的产品
Product comply with IEC 60335-1 available.
- 线圈与触点浪涌电压6KV
6KV surge voltage between coil and contact.

触点参数 CONTACT DATA

| | | |
|----------|-----------------------------|-------------------------|
| 型号 | Model | YX301 |
| 触点形式 | Contact Arrangement | 1A、1B、1C |
| 接触电阻 | Contact Resistance | 100mΩ Max. |
| 触点材料 | Contact Material | 银合金 Silver Alloy |
| 额定负载(阻性) | Contact Rating (Res.Load) | 10A 250VAC ; 5A 250VAC |
| 最大切换电流 | Max. Switching Current | 10A |
| 最大切换电压 | Max. Switching Voltage | 277VAC/30VDC |
| 最大切换功率 | Max. Switching Power | 2770VA/150W |
| 机械寿命 | Mechanical endurance | 1x10 ⁷ 次 OPS |
| 电气寿命 | Electrical endurance | 1x10 ⁵ 次 OPS |

性能参数 CHARACTERISTICS

| | | |
|-------------|--------------------------------|--|
| 吸合时间(额定电压下) | Operate Time (at nomi.volt.) | 10ms Max. |
| 释放时间(不带二极管) | Release Time (without diode) | 5ms Max. |
| 绝缘电阻 | Insulation Resistance | 1000MΩ Min.(500VDC) |
| 介质耐压 | Dielectric Strength | 触点与触点间 Between Open Contacts : 1,000VAC, 50/60Hz 1 min. |
| | | 触点与线圈间 Between Coil & Contacts: 4,000VAC, 50/60Hz 1 min. |
| 抗振性 | Vibration resistance | 误动作 Functional: 10~55Hz 双振幅 1.5mm (DA) |
| | | 耐久 Destructive: 10~55Hz 双振幅 1.5mm (DA) |
| 抗冲击 | Shock resistance | 误动作 Functional: 10G Min. |
| | | 耐久 Destructive: 100G Min. |
| 环境温度 | Ambient Temperature | -40°C~+105°C (不冷凝 No condensation) |
| 重量 | Unit Weight | 约 Approx. 6.5g |

线圈参数 COIL DATA (at 23°C)

| 额定电压 Rated voltage (VDC) | 额定电流 Rated current ±10%(mA) | 线圈电阻 Coil resistance ±10%(Ω) | 最大连续外加电压 Max allowable voltage VDC (Max.) | 吸合电压 Operate voltage VDC (Max.) | 释放电压 Release voltage VDC (Min.) | 额定功率 Rated coil power (W) |
|--------------------------------|-----------------------------------|------------------------------------|---|---------------------------------------|---------------------------------------|---------------------------------|
| 3 | 66.7 | 45 | 额定电压的 of rated voltage 130 % | 额定电压的 of rated voltage 75 % | 额定电压的 of rated voltage 5 % | 约 approx. 0.2 |
| 5 | 40.0 | 125 | | | | |
| 6 | 33.3 | 180 | | | | |
| 9 | 22.2 | 405 | | | | |
| 12 | 16.7 | 720 | | | | |
| 15 | 13.3 | 1,125 | | | | |
| 18 | 11.1 | 1,620 | | | | |
| 24 | 8.3 | 2,880 | | | | |
| 36 | 5.6 | 6,480 | | | | |
| 48 | 4.2 | 11,520 | | | | |

线圈参数 COIL DATA (at 23°C)

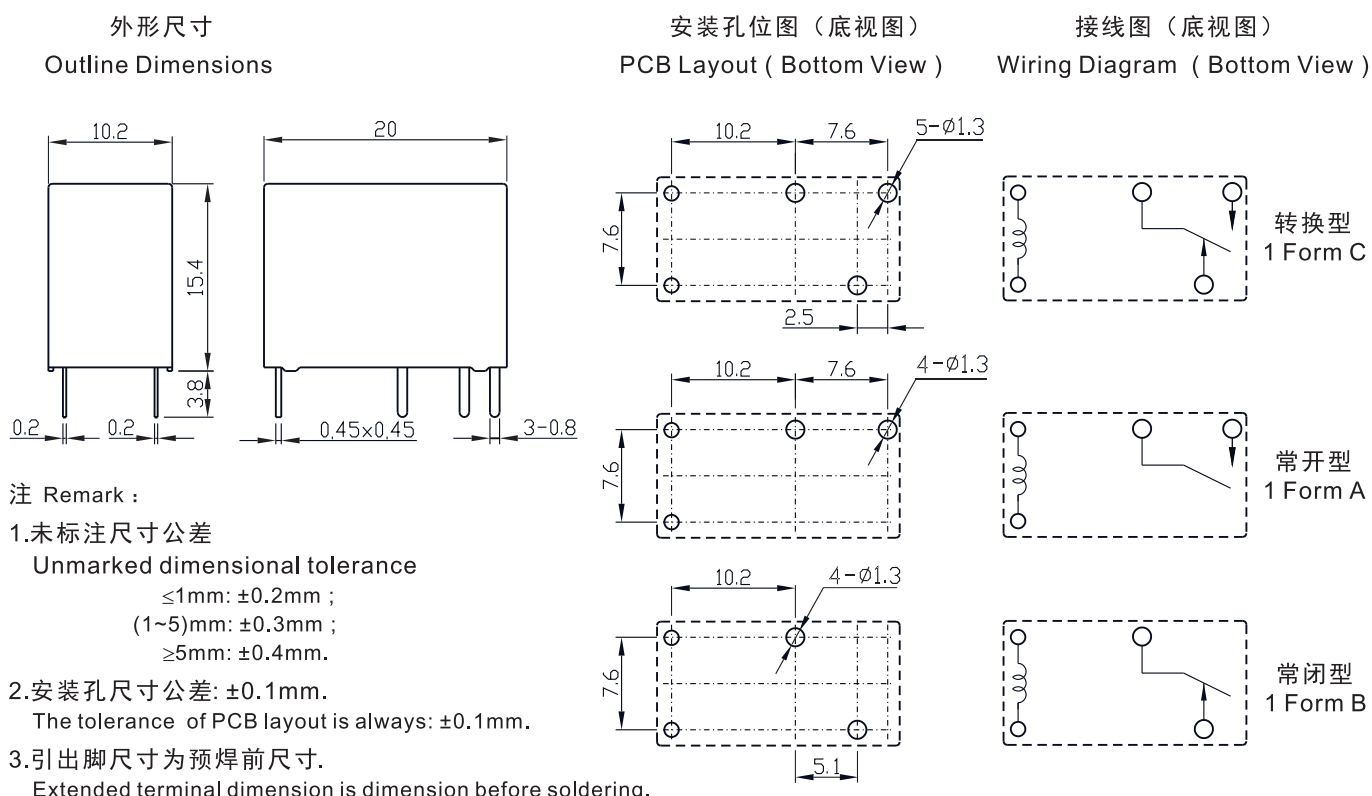
| 额定电压 Rated voltage (VDC) | 额定电流 Rated current ±10%(mA) | 线圈电阻 Coil resistance ±10%(Ω) | 最大连续外加电压 Max allowable voltage VDC (Max.) | 吸合电压 Operate voltage VDC (Max.) | 释放电压 Release voltage VDC (Min.) | 额定功率 Rated coil power (W) |
|--------------------------------|-----------------------------------|------------------------------------|---|---------------------------------------|---------------------------------------|---------------------------------|
| 3 | 133.3 | 22.5 | 额定电压的 of rated voltage 130 % | 额定电压的 of rated voltage 75 % | 额定电压的 of rated voltage 5 % | 约 approx. 0.4 |
| 5 | 80.0 | 62.5 | | | | |
| 6 | 66.7 | 90 | | | | |
| 9 | 44.4 | 202.5 | | | | |
| 12 | 33.3 | 360 | | | | |
| 15 | 26.7 | 562.5 | | | | |
| 18 | 22.2 | 810 | | | | |
| 24 | 16.7 | 1,440 | | | | |
| 36 | 11.1 | 3,240 | | | | |
| 48 | 8.3 | 5,760 | | | | |

订货标记示例 ORDERING INFORMATION

| | | | | | | |
|--------------------------------|----|---|----|---|---|--|
| YX301 | -S | -1 | 12 | D | M | |
| 触点形式 Contact form : | | 无-转换, M-常开, B-常闭 Nil-Form C, M-Form A, B-Form B | | | | |
| 线圈功耗 Coil power : | | L-0.2 W, D-0.4W | | | | |
| 线圈规格 Coil voltage : | | 03,05,06,09,12,15,18,24,36,48 (VDC) | | | | |
| 触点组数 Number of poles : | | 1-1组 1-1 Group | | | | |
| 封装形式 Protective construction : | | S-塑封式, SH-防水式 S-Flux proofed, SH-Sealed type | | | | |
| 基本型号 Type designation : | | YX301 | | | | |

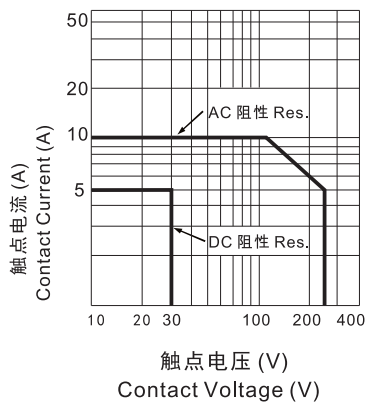
外形尺寸、接线图、安装孔位图 (单位: mm)

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

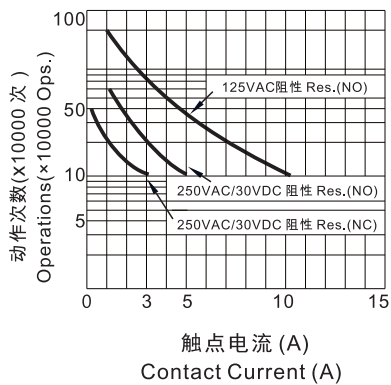


性能曲线图 CHARACTERISTIC CURVES

最大切换功率
Max. Switching Power



寿命曲线
Endurance Curve



线圈温升
Coil Temperature Rise

