


特点 Features:

- 高触点容量:16A触点切换能力
High switching capability:16A.
- 低高度 Low height:15.4mm
- 高耐压 5KV
Dielectric Strength:5KV(between coil&contacts)

触点参数 CONTACT DATA

| | | |
|----------|-----------------------------|-------------------------|
| 型号 | Model | YX208LZ |
| 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) | 16A 250VAC/30VDC |
| 最大切换电流 | Max. Switching Current | 20A |
| 最大切换电压 | Max. Switching Voltage | 277VAC/30VDC |
| 最大切换功率 | Max. Switching Power | 4000VA/480W |
| 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.) | 15ms Max. |
| 释放时间(不带二极管) | Release Time (without diode) | 10ms 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 : 1000VAC, 50/60Hz 1 min. |
| | | 触点与线圈间 Between Coil & Contacts : 5000VAC, 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. 10.0g |

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 | 23 | 额定电压的 of rated voltage 150 % | 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 | 63 | | | | |
| 6 | 66.7 | 90 | | | | |
| 9 | 44.4 | 203 | | | | |
| 12 | 33.3 | 360 | | | | |
| 15 | 22.0 | 563 | | | | |
| 18 | 22.0 | 810 | | | | |
| 24 | 16.7 | 1,440 | | | | |
| 36 | 11.1 | 3,240 | | | | |
| 48 | 8.3 | 5,760 | | | | |

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 | 180.0 | 17 | 额定电压的 of rated voltage 150 % | 额定电压的 of rated voltage 75 % | 额定电压的 of rated voltage 5 % | 约 Approx. 0.54 |
| 5 | 108.0 | 46 | | | | |
| 6 | 90.0 | 67 | | | | |
| 9 | 60.0 | 150 | | | | |
| 12 | 45.0 | 267 | | | | |
| 15 | 22.0 | 417 | | | | |
| 18 | 22.0 | 600 | | | | |
| 24 | 22.5 | 1,067 | | | | |
| 36 | 15.0 | 2,400 | | | | |
| 48 | 11.3 | 4,267 | | | | |

订货标记示例 ORDERING INFORMATION

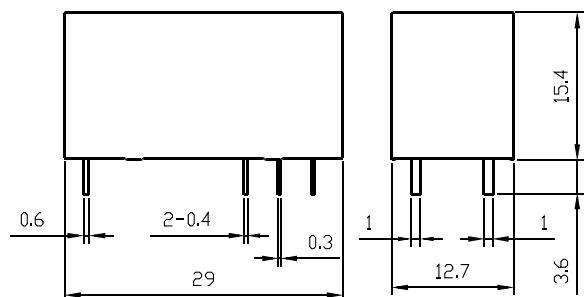
| | | | | | | |
|---------|----|----|----|---|---|---|
| YX208LZ | -S | -1 | 12 | D | M | |
| | | | | | | 触点形式 Contact form : 无-转换, M-常开, B-常闭 Nil-Form C, M-Form A, B-Form B |
| | | | | | | 线圈功耗 Coil power : D-0.4 W, H-0.54W |
| | | | | | | 线圈规格 Coil voltage : 03,05,06,09,12,15,18,24,36,48 (VDC) |
| | | | | | | 触点组数 Number of poles : 1-1组 1-1 Group |
| | | | | | | 封装形式 Protective construction : S-塑封式 S-Flux proofed |
| | | | | | | 基本型号 Type designation : YX208LZ |

外形尺寸、接线图、安装孔位图 (单位: mm)

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

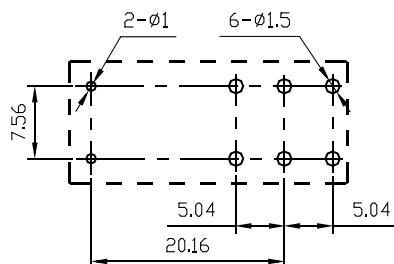
外形尺寸

Outline Dimensions



安装孔位图 (底视图)

PCB Layout (Bottom View)

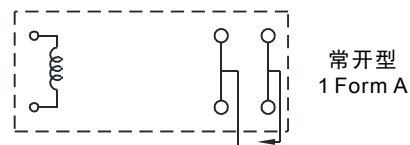
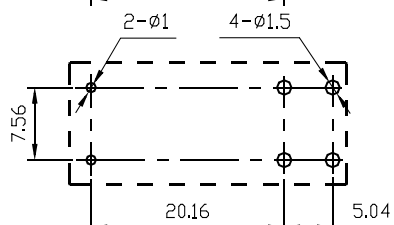


接线图 (底视图)

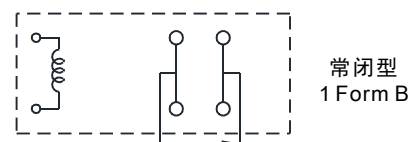
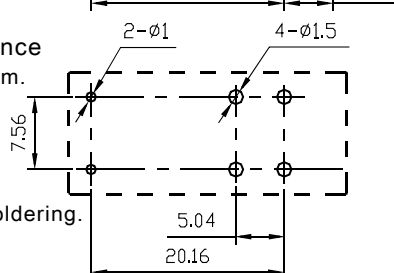
Wiring Diagram (Bottom View)



转换型
1 Form C



常开型
1 Form A



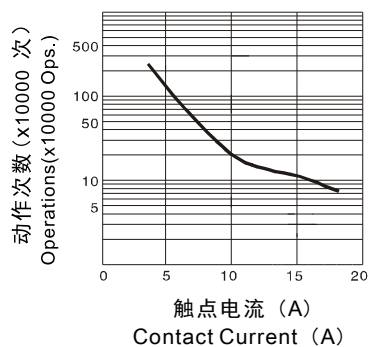
常闭型
1 Form B

注 Remark :

- 未标注尺寸公差 Unmarked dimensional tolerance
≤1mm: ±0.2mm ; (1~5)mm: ±0.3mm ; ≥5mm: ±0.4mm.
- 安装孔尺寸公差: ±0.1mm.
The tolerance of PCB layout is always: ±0.1mm.
- 引出脚尺寸为预焊前尺寸.
Extended terminal dimension is dimension before soldering.

性能曲线图 CHARACTERISTIC CURVES

寿命曲线
Endurance Curve



线圈温升
Coil Temperature Rise

