
特点 Features:

- 15A触点切换能力
Contact switching capability:15A.
- 可提供符合 IEC 60335-1 要求的产品
Product comply with IEC 60335-1 available.
- 外形尺寸: (20.3X16.6X20.3mm)
Outline Dimensions: (20.3X16.6X20.3mm).

触点参数 CONTACT DATA

| | | |
|----------|-----------------------------|-----------------------------|
| 型号 | Model | YX205 |
| 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/30VDC;15A 125VAC |
| 最大切换电流 | Max. Switching Current | 15A |
| 最大切换电压 | Max. Switching Voltage | 250VAC/30VDC |
| 最大切换功率 | Max. Switching Power | 2500VA/300W |
| 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) | 5ms Max. |
| 绝缘电阻 | Insulation Resistance | 100MΩ 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: 1,500VAC, 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. 12.5g |

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 | 120.0 | 25 | 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. 0.36 |
| 5 | 71.4 | 70 | | | | |
| 6 | 60.0 | 100 | | | | |
| 9 | 40.0 | 225 | | | | |
| 12 | 30.0 | 400 | | | | |
| 15 | 24.0 | 625 | | | | |
| 18 | 20.0 | 900 | | | | |
| 24 | 15.0 | 1,600 | | | | |
| 48 | 7.5 | 6,400 | | | | |

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 | 150.0 | 20 | 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. 0.45 |
| 5 | 89.3 | 56 | | | | |
| 6 | 75.0 | 80 | | | | |
| 9 | 50.0 | 180 | | | | |
| 12 | 37.5 | 320 | | | | |
| 15 | 30.0 | 500 | | | | |
| 18 | 25.0 | 720 | | | | |
| 24 | 18.8 | 1,280 | | | | |
| 48 | 9.4 | 5,120 | | | | |

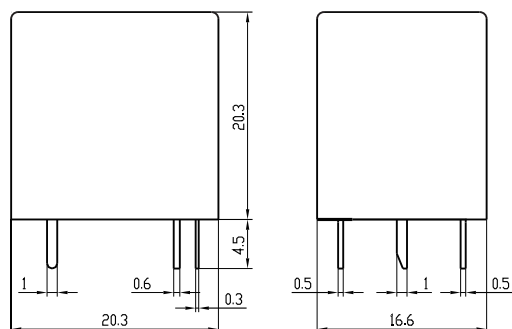
订货标记示例 ORDERING INFORMATION

| | | | | | | |
|-------|----|----|----|--------------------------------|---|---|
| YX205 | -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-0.36W (0.45W 可选 optional) |
| | | | | 线圈规格 Coil voltage : | | 03,05,06,09,12,15,18,24,48 (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 : | | YX205 |

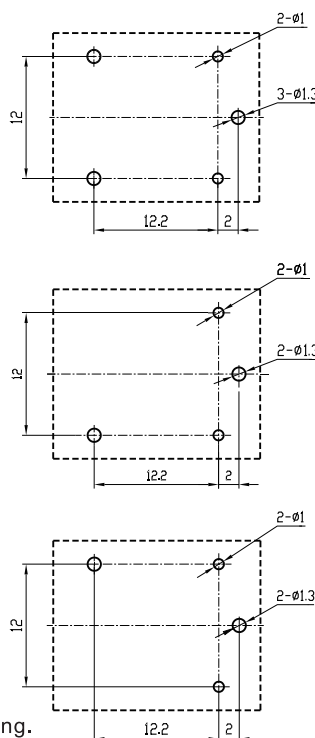
外形尺寸、接线图、安装孔位图 (单位: mm)

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

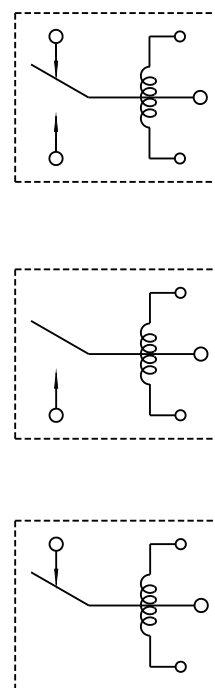
外形尺寸
Outline Dimensions



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 :

1. 未标注尺寸公差

Unmarked dimensional tolerance

≤1mm: ±0.2mm ;

(1~5)mm: ±0.3mm ;

≥5mm: ±0.4mm.

2. 安装孔尺寸公差: ±0.1mm.

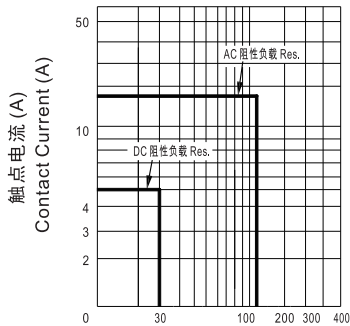
The tolerance of PCB layout is always: ±0.1mm.

3. 引出脚尺寸为预焊前尺寸.

Extended terminal dimension is dimension before soldering.

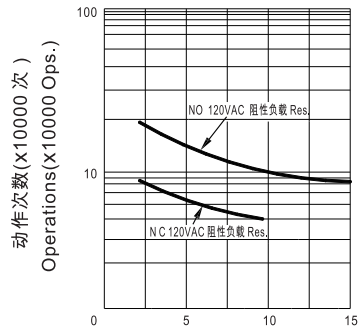
性能曲线图 CHARACTERISTIC CURVES

最大切换功率
Max. Switching Power



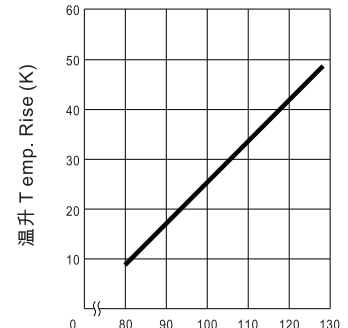
触点电压 (V)
Contact Voltage (V)

寿命曲线
Endurance Curve



触点电流 (A)
Contact Current (A)

线圈温升
Coil Temperature Rise



线圈额定电压百分比
Percentage of Nominal Coil Voltage