
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	2500VA/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

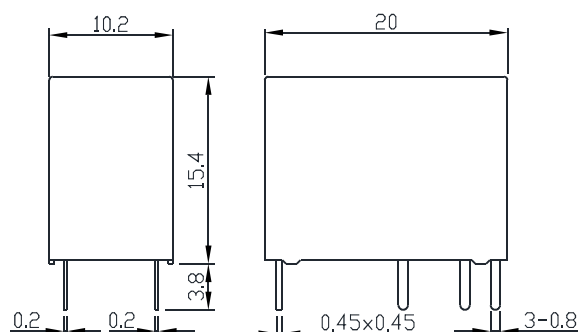
YX301	-S	-1	12	D	M	
触点形式 Contact form: 无-转换, M-常开, B-常闭 Nil-Form C, M-Form A, B-Form B						
线圈功耗 Coil power: L-0.2 W, D-0.4W						
线圈规格 Coil voltage: 03,05,06,09,12,15,18,24,36,48 (VDC)						
触点组数 Number of poles: 1-1组 1-1 Group						
封装形式 Protective construction: S-塑封式, SH-防水式 S-Flux proofed, SH-Sealed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

外形尺寸

Outline Dimensions



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.

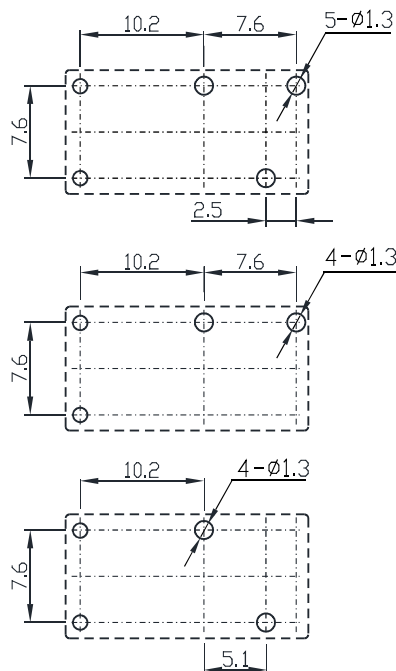
The tolerance of PCB layout is always: ±0.1mm.

3. 引出脚尺寸为预焊前尺寸.

Extended terminal dimension is dimension before soldering.

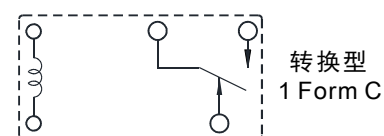
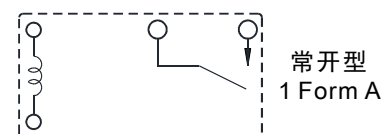
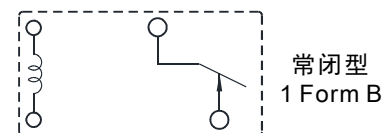
安装孔位图 (底视图)

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

性能曲线图 CHARACTERISTIC CURVES

