
特点 Features:

- 触点容量: 5A触点切换能力
Contact switching capability: 5A.
- 宽度5mm, 适合高密度电路板
5mm width suitable for high-density PCB mounting.
- 高灵敏度, 线圈功耗仅为 120mW
High Sensitivity, 120mW coil power.

触点参数 CONTACT DATA

型 号	Model	YX303
触点形式	Contact Arrangement	1A
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)	5A 250VAC/30VDC
最大切换电流	Max. Switching Current	5A
最大切换电压	Max. Switching Voltage	277VAC/30VDC
最大切换功率	Max. Switching Power	1250VA/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: 3,000VAC, 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. 2.8 g

线圈参数 COIL DATA (at 23°C)

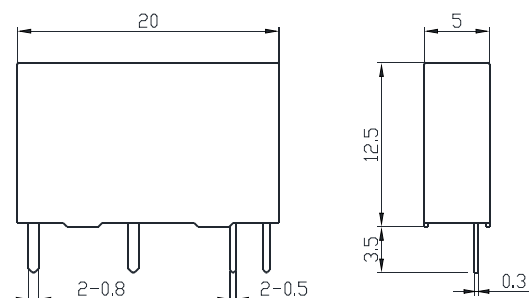
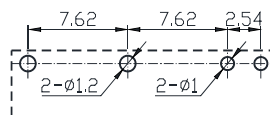
额定电压 Rated voltage (VDC)	额定电流 Rated current ±10%(mA)	线圈电阻 Coil resistance ±10%(Ω)	最大连续外加电压 Max allowable voltage VDC (Max.)	吸合电压 Operate voltage VDC (Max.)	释放电压 Release voltage VDC (Min.)	额定功率 Rated coil power (W)
3	40.0	75	额定电压的 130%	额定电压的 75%	额定电压的 5%	约 approx. 0.12
5	24.0	208				
6	20.0	300				
9	13.3	675				
12	10.0	1,200				
15	8.0	1,875				
18	6.7	2,700				
24	5.0	4,800				
48	2.5	19,200				

订货标记示例 ORDERING INFORMATION

YX303	-S	-1	12	D	M	
						触点形式 Contact form : M-常开 M-Form A
						线圈功耗 Coil power : D-0.12 W
						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, SH-防水式 S-Flux proofed , SH-Sealed type
						基本型号 Type designation : YX303

外形尺寸、接线图、安装孔位图 (单位: mm)

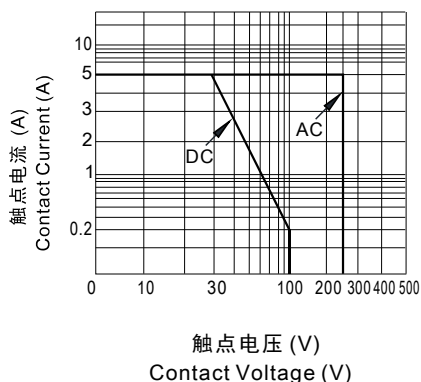
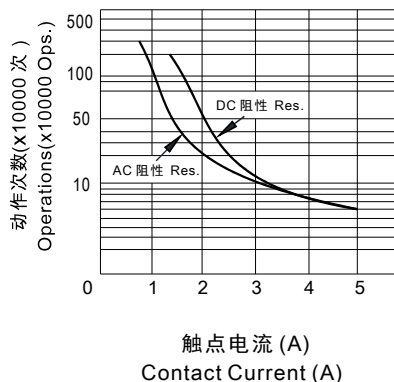
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT (Unit: mm)

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)

注 Remark :

- 1.未标注尺寸公差 Unmarked dimensional tolerance
 $\leq 1\text{mm}$: $\pm 0.2\text{mm}$; $(1\sim 5)\text{mm}$: $\pm 0.3\text{mm}$; $\geq 5\text{mm}$: $\pm 0.4\text{mm}$.
- 2.安装孔尺寸公差: $\pm 0.1\text{mm}$.
The tolerance of PCB layout is always: $\pm 0.1\text{mm}$.
- 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寿命曲线
Endurance Curve线圈温升
Coil Temperature Rise