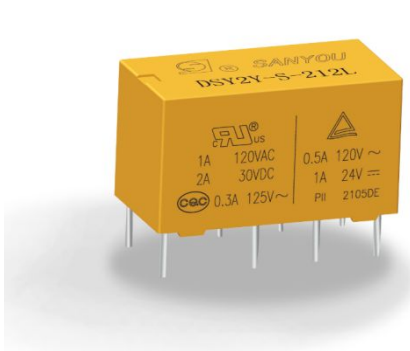



特点 Features

- 两组转换触点形式。
2 transfer contact configuration.
- 体积小和重量轻，适用于密集安装。
Small size and light weight for high density PCB mounting.
- 可供 150mW。
150mW type available.

安规认证 Safety Approval

UL , C-UL 认证号 File No : E179745
TUV 认证号 File No : R50253080
CQC 认证号 File No : CQC02001002119

触点负载 Contact Capacity

型号 Model	DSY2Y
额定负载 (阻性) Nominal switching capacity (res. load)	1A 120VAC
最大切换电流 Max. switching current	2A
最大切换电压 Max. switching voltage	277VAC
最大切换功率 Max. switching power	554VA
最小切换负载 Min. switching load	6V 1A

性能参数 Characteristic Data

触点材料 Contact material	银合金 Silver alloy	
接触电阻 Initial contact resistance	100mΩ Max.(at 1A 6VDC)	
吸合时间 Operate time (at nominal volt.)	7 msec. Max. (不加二极管 no diode)	
释放时间 Release time (at nominal volt.)	4 msec. Max. (不加二极管 no diode)	
绝缘电阻 Initial insulation resistance	1,000MΩ Min.(DC500V)	
介质耐压 Initial dielectric strength	触点与触点间 Between open contacts :	AC750V , 50/60Hz 1min.
	触点与线圈间 Between coil and contact :	AC1,000V , 50/60Hz 1min.
抗振动 Vibration resistance	误动作 Function	10 ~ 55Hz , 双振幅 1.5 mm 10 ~ 55Hz at double amplitude of 1.5 mm
	耐久 Destructive	10 ~ 55Hz , 双振幅 1.5 mm 10 ~ 55Hz at double amplitude of 1.5 mm
抗冲击 Shock resistance	误动作 Function	10G Min.
	耐久 Destructive	100G Min.
寿命 Endurance(operations)	机械寿命(每小时 10,800 次, 室温) Mechanical (at10,800ops./h)	10,000,000 次 10,000,000 cycles(at room temperature)

	电气寿命(每小时 1,800 次, 室温) Electrical (at 1,800ops./h)	100,000 次 100,000 cycles(at room temperature)
环境温度 Ambient temperature	-40°C ~ +85°C (不冷凝 no condensation)	
重量 Unit weight	约 4.6g Approx.4.6g	

线圈参数(at 20°C) CoilData (at 20°C)

额定电压 (VDC) Nominal voltage (VDC)	额定电流 ±10%(mA) Nominal operating current ± 10%(mA)	线圈电阻 ±10% (Ω) coil resistance ±10%(Ω)	最大连续外加电 压 Max. allowable voltage	吸合电压 (Max.) Pick-up voltage (Max.)	释放电压 (Min.) Drop-out voltage (Min.)	额定功率 Nominal operating power
3	50	60	7	额定电压的 75% 75% of nominal voltage	额定电压的 5% 5% of nominal voltage	约 0.15W Approx.0.15W
5	30	167	11.5			
6	25	240	13.8			
9	16.6	540	20.8			
12	12.5	960	27.7			
15	10	1,500	34.6			
18	8	2,160	41.8			
24	6.25	3,840	55.2			
3	66.6	45	6			约 0.2W Approx.0.2W
5	40.0	125	10			
6	33.3	180	12			
9	22.2	405	18			
12	16.6	720	24			
15	13.3	1,125	30			
18	11	1,620	36			
24	8.3	2,880	48			
3	120	25	4.5			约 0.36W Approx.0.36W
5	72	69	8			
6	60	100	10			
9	40	225	14.5			
12	30	400	18.5			
15	24	625	22			
18	20	900	26.8			
24	15	1,600	35.5			
48	12	4,000	56			约 0.58W Approx. 0.58W

上述值为初始值；请勿在产品上连续施加最大电压 > 10min，以免线圈过度发热。

The data shown above are initial values. Do not energize the maximum allowable voltage of the coil for more than 10 minutes to avoid overheating of the coil.

安规认证负载（注：更多详细的认证负载，参考安规证书）
Safety Approval Ratings (Note: More detail of approval ratings, please refer to the safety certification)

认证类型 Approval	CQC	TUV	UL/CUL
认证号码 File No.	CQC02001002119	R50253080	E179745
认证负载 Approved Ratings	1A 125VAC	0.5A 120VAC 1A 24VDC	1A 120VAC 2A 30VDC

- (1) 上述未注明温度的负载，均指环境温度为室温。
The above-mentioned unspecified temperature ratings, means that the ambient temperature is room temperature.
- (2) 以上仅列出了该产品认证的部分负载，每个负载的详细测试条件不同，因此电寿命次数不一样。如需了解详细情况，请联系三友。
Only some typical ratings are listed above. Each rating's test condition is different, so the electrical endurance will be different. If more details are required, please contact us.
- (3) 对于塑封式、防水式产品试验时，应打开外壳的透气孔。
For sealed type testing, please open the ventilation hole of case before test.

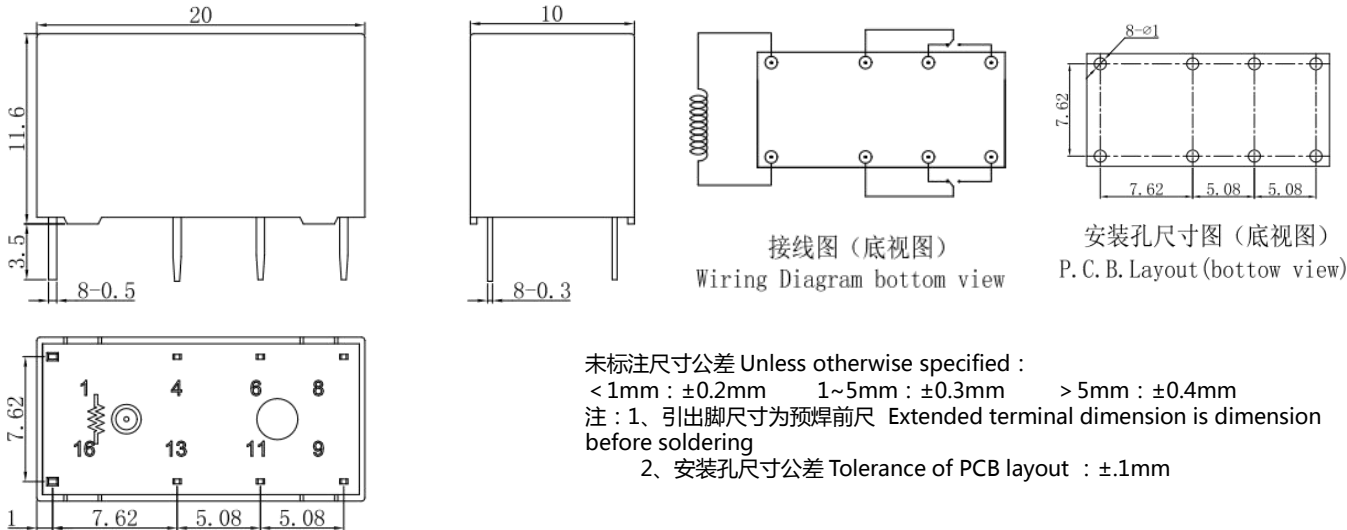
订货标记 Ordering Information

型号命名规则 Nomenclature

DSY2Y	-S	-2	12	D	-F	-XX	
							特殊参数 Special Parameter：无 Nil-标准型 Standard type， 字母或数字 Letters or Numbers-特殊要求-Special requirements
							绝缘等级 Insulation System：无 Nil - 普通型 Standard， B - Class B，F - Class F
							线圈功耗 Coil Power：D-0.36W，L-0.20W，H-0.15W，无 Nil-0.58W
							线圈规格 Coil Voltage (VDC)：03，05，06，09，12,15，18，24，48
							触点组数 Number of Poles：2-2 Pole
							封装形式：S -塑封式 Flux proofed，SH -防水式 Sealed type washable
							基本型号 Type Designation：DSY2Y

- (1) 塑封式不能在污染环境（含有 H2S、SO2、NO2、粉尘等污染物）中使用。
Plastic sealing type can not be used in polluted environment (containing H2S, SO2, NO2, dust and other pollutants)
- (2) 塑封式装入 PCB 焊接后，不能进行整体清洗或表面处理。
After the plastic seal product is loaded into PCB welding, the whole cleaning or surface treatment can not be carried out.
- (3) 客户特殊要求（XX），由我司评估后，按特性符号标识。
Special requirements of customers (XX) shall be evaluated by our company and marked by characteristic symbols.

外形尺寸图、接线图、安装孔位图（单位：mm）
Outline dimension drawing, wiring diagram, installation vacancy drawing (unit: mm)

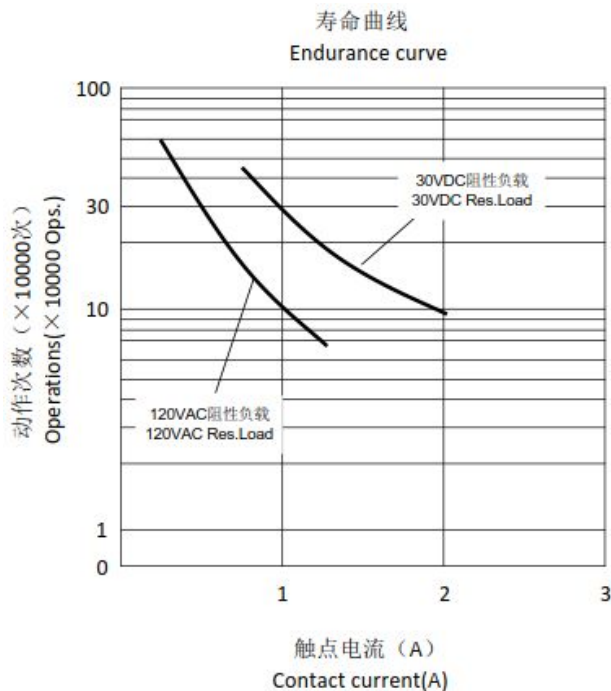
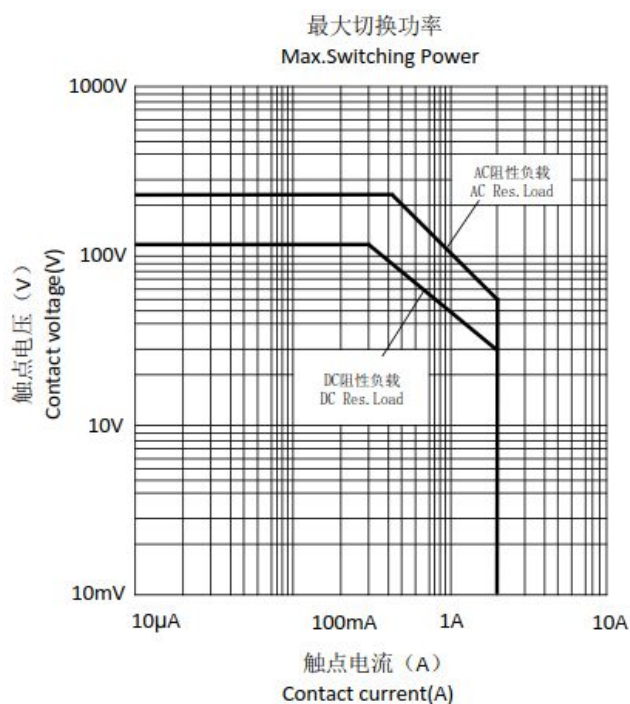


典型用途 Typical Applications

通讯设备 Telecommunication equipment
电周边设备 Computer peripherals
医疗设备 Medical equipment

办公设备 Office equipment
安全报警系统 Security alarm system

性能曲线图 Characteristic Curves



声明：本产品规格书仅供客户使用时参考，若有更改，恕不另行通知。

对三友而言，不可能评定继电器在每个具体应用领域的所有性能参数要求，因而客户应该根据具体的使用条件选择与之相匹配的产品。对于密封继电器在安装清洗后，使用前请打开外壳上的透气孔。若有疑问，请与三友联系获取更多的技术支持。但产品选型责任仅由客户负责。

Disclaimer: This datasheet is the customers' reference. All the specification are subject to change without notice. We could not evaluate all the performance and all the parameters for every possible application. Thus the user should in a right position to choose the suitable product for their own application. For sealed relays after installation and cleaning, please open the vent hole on the case before use. If there is any query, please contact Sanyou for the technical service. However it is the user's responsibility to determine which product should be used only.