

RELAY

超小型中功率电磁继电器 / Subminiature Intermediate Power Relay

DYS1/DYS1A系列
DYS1/DYS1A SERIES



- 特性 Features
 - 尺寸: 20.5 × 7.2 × 15.3(mm)
Dimension: 20.5 × 7.2 × 15.3(mm)
 - 5A触点切换能力
Switching capacity: 5A
 - 高灵敏度, 功耗仅为200mW
High sensitivity, power consumption is only 200 mW
 - 宽度仅7.2MM, 适用高密度安装
Width is only 7.2 MM, it is suitable for high density installation
 - 环保产品 (符合ROHS)
Environmentally friendly products (in accordance with ROHS)

- 安规认证 Safety Approval
 - UL/C-UL认证号: E346543
UL/C-UL File No: E346543
 - VDE认证号: 40034119
VDE File No: 40034119
 - TUV认证号: R50203208
TUV File No: R50203208

触点参数 / CONTACT DATA

触点形式 Contact Form	A- 一组常开 A-1 Foem A	
触点材料 Contact Material	银合金 Ag Alloy	
触点负载 Contact Rating	5A 250VAC	
接触电阻 Contact Resistance	100mΩ Max (6VDC 1A)	
负载 Load	最大切换电压 Max.Switching Voltage	250VAC/30VDC
	最大切换电流 Max.Switching Current	5A
	最大切换功率 Max.Switching Power	1250VA, 150W
	最小切换电压及电流 Min.Switching Load	5VDC, 100mA
寿命 Life	电寿命 Electrical	100,000次 100,000 times
	机械寿命 Mechanical	2,000,000次 2,000,000times
线圈参数 COIL DATA		
额定线圈功率 Nominal coil Power	0.2W	

性能参数 / GENERAL DATA

绝缘电阻 Insulation Resistance	Min.1000MΩ .500VDC	
介质耐压 DielectricStrength	触点与触点间 Between open contacts	750VAC, 1min
	触点与线圈间 Between coil and contacts	4000VAC, 1min
吸合时间 Operate time		Max.10ms
释放时间 Release time		Max.10ms
工作环境温度 Operating temperature		-40℃ - +95℃
相对湿度 Humidity		35 - 85%RH, +40℃
冲击 Shock Resistance	强度 Endurance	980m/S ²
	稳定性 Misoperation	98m/S ²
振动 Vibration Resistance	强度 Endurance	10~55HZ, 1.5mm双振幅 10~55HZ, 1.5mm double amplitude
	稳定性 Misoperation	10~55HZ, 1.5mm双振幅 10~55HZ, 1.5mm double amplitude
重量 weight		约3.0g Approximately3.0g

安规认证 / SAFETY APPROVAL

说明:上述值均为初始值
Note:Initial Value

认证类型/认证号 Certified/File No.	触点形式 Contact Form	额定线圈功率 Rated Coil Power	额定线圈电压 Rate Coil Voltage	认证负载 Safety Approval Rating	备注 Remark
UL/C-UL E346543	A	0.2w	5-24VDC	5A 250VAC	环境温度: 95℃ Ambient Temperature: 95℃
VDE 40034119	A	0.2w	5-24VDC	5A 250VAC	环境温度: 85℃ Ambient Temperature: 85℃
TUV R50203208	A	0.2w	5-24VDC	5A 250VAC	环境温度: 85℃ Ambient Temperature: 85℃

线圈规格 / COIL DATA

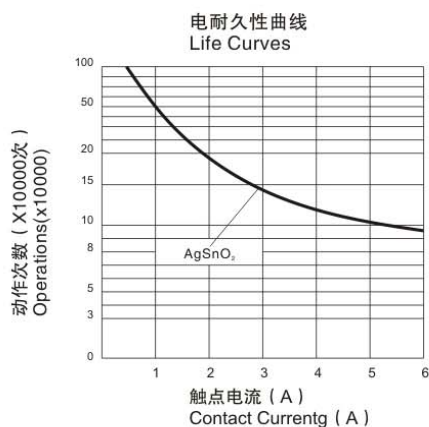
环境温度: 23℃
Ambient Temperature: 23℃

额定线圈电压 Rated Coil Voltage (VDC)	线圈电阻 Coil Resistance (Ω ± 10%)	吸合电压 Operate Voltage ≤(VDC)	释放电压 Release Voltage ≥(VDC)	额定线圈功率 Rated Coil Power (W)
5	125	3.75	0.5	0.2
6	180	4.5	0.6	
9	405	6.75	0.9	
12	720	9	1.2	
18	1620	13.5	1.8	
24	2880	18	2.4	

命名规则 / OPERING INFORMATION

DYS1/DYS1A-	S-	D12V-	A
触点形式：一组常开 Contact Forms: 1 Form A			
额定线圈电压 (VDC) : 05, 06, 09, 12, 18, 24 Rated Coil Voltage (VDC) : 05, 06, 09, 12, 18, 24			
封装形式：S-塑封型 SH-防焊剂型 Packaging Forms: S - encapsulation SH - the flux model			
型号：DYS1/DYS1A Model: DYS1/DYS1A			

特性曲线图 / CHARACTERISTIC CHART DATA



外形图, 接线图, 安装孔尺寸(单位:mm)/OUTLINE DIMENSIONS, WIRING DIAGRAM, PCB LAYOUT (UNIT:mm)

