
**特性 Characteristic**

- 可提供1组和2组转换型号, 切换电流15安(1组转换), 10安(2组转换)  
1 pole and 2 poles types available with switching current 15A(1 pole) and 10A(2 poles).
- 可供选择安装形式, PCB端子, 插入式端子, 可供法兰安装式  
PCB terminal, socket and flange case types available for different mounting consideration.
- 功耗低, 反应灵敏 Low coil power consumption with high sensitive.
- 寿命长, 可靠性好 Long service endurance, high reliability.

**安规认证 Safety Approval: UL, C-UL, CQC, TUV**
**订货标记 Ordering Information**

型号命名规则 Model Naming Rules								
DER	-DC	12V	D	1	F	-A	T X	特殊参数: 无: 标准型 Special Parameters: Blank: Standard type
								端子形式: P: PCB式, T: 插座式, F: 法兰式 Terminal Type: P: PCB type, T: Socket type, F: Flange type
								触点形式: A: 常开型, C: 转换型 Contact Form: A: Form A, C: Form C
								绝缘等级: 无: 普通型, B: 等级 B, F: 等级 F Insulation System: Blank: Standard Type, B: Class B, F: Class F
								触点组数: 1: 1组 2: 2组 Number Of Poles: 1: Single pole; 2: Double poles
								配件形式: 无: 不带配件, D: 带二极管 Accessory Form: Blank: Without accessory, D: With diode
								线圈电压: DC: 5V, 6V, 12V, 24V, 48V, 110V; AC: 6V, 12V, 24V, 48V, 110V, 220V Coil Voltage: DC: 5V, 6V, 12V, 24V, 48V, 110V; AC: 6V, 12V, 24V, 48V, 110V, 220V
								线圈性质: DC: 直流 AC: 交流 Coil Type: DC: Direct current AC: Alternating current
								产品型号: DER Model: DER

**线圈参数 Coil Data (at 20°C)**

额定电压 Rated Voltage	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. Continuous Voltage Applied	吸合电压 Pick Up Voltage (Max.)	释放电压 Drop Out Voltage (Min.)	额定功率 Power Consumption At Rated Voltage
	50Hz	60Hz					
6VAC	220.00	170.00	11.5	额定电压的110% 110% of rated voltage	额定电压的80% 80% of rated voltage	额定电压的30% 30% of rated voltage	约 Approximately 1.0 ~ 1.3VA
12VAC	110.00	85.00	46				
24VAC	60.00	45.00	165				
48VAC	30.00	23.00	735				
120VAC	13.50	11.50	4,430				
220/240VAC	6.00	5.00	14,400	额定电压的110% 110% of rated voltage	额定电压的75% 75% of rated voltage	额定电压的10% 10% of rated voltage	约 Approximately 0.90W
5VDC	180.00	27.8	40				
6VDC	150.00	40	160				
12VDC	75.00	640	2,560				
24VDC	37.50	11,000	11,000				

## 触点负载 Contact Rating

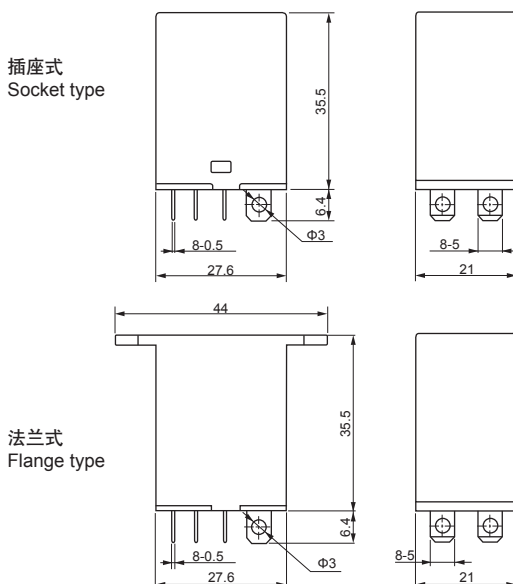
型号 Model	DER-1 pole	DER-2 poles
阻性负载 Resistive Load	15A 250VAC	10A 250VAC
最大切换电流 Max. Switching Current	15A	10A
最大切换电压 Max. Switching Voltage	250VAC	250VAC
最大切换功率 Max. Switching Power	3,750VA	2,500VA

## 规格说明 Specification

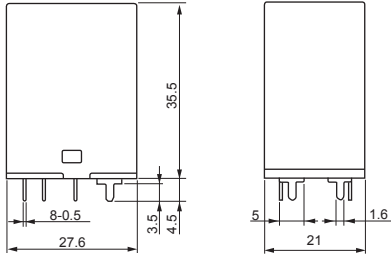
触点材料 Contact Material	银合金 Ag Alloy	
接触电阻 Contact Resistance	50mΩ Max.	
吸合时间 Operate Time	25ms. Max.	
释放时间 Release Time	25ms. Max.	
绝缘电阻 Insulation Resistance	500MΩ Min.(DC500V)	
介质耐压 Dielectric Strength	触点与触点间 Between open contact: AC1,000V, 50/60Hz 1min.	
	线圈与触点间 Between coil and contact: AC1,500V, 50/60Hz 1min.	
抗振动 Vibration Resistance	耐久 Endurance	10~55Hz, 双振幅 1.5 mm 10~55Hz, 1.5 mm double amplitude
	误动作 Misoperation	10~55Hz, 双振幅 1.5 mm 10~55Hz, 1.5 mm double amplitude
抗冲击 Shock Resistance	耐久 Endurance	10g Min.
	误动作 Misoperation	100g Min.
寿命 Life	机械寿命 Mechanical Life	10,000,000 operations
	电气寿命 Electrical Life	100,000 operations
环境温度 Ambient Temperature	-25°C~+55°C	
重量 Weight	约 Approx. 37.0g	

## 外形尺寸、接线、安装孔位图(mm)

## Outline Dimensions, Wiring Diagram, Mounting Hole Layout (mm)



PCB式  
PCB type



未标注尺寸公差 Dimension tolerance

- <1mm: ±0.2mm
- 1~5mm: ±0.3mm
- >5mm: ±0.4mm

注(Note):

- 安装孔尺寸公差 ±0.1mm
- Dimension tolerance of the mounting hole ±0.1mm



1c

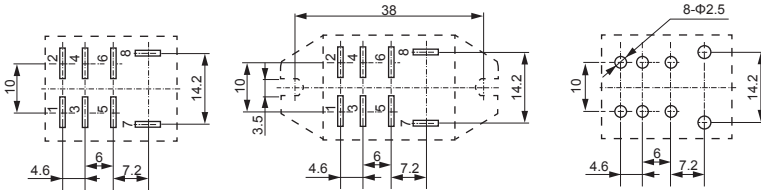
2c

接线图(底视图) Wiring Diagram (Bottom View)

插座式 Socket type

法兰式 Flange type

PCB式 PCB type



安装孔位图(底视图) Mounting Hole Layout (Bottom View)

## 典型用途 Typical Applications

- 自动售货机, 烹调电器, 办公设备 Automat, cooking appliances and office equipment.
- 家用电器, 控制设备等 Household appliances, control apparatus, ect.

## 性能曲线图 Performance Curves

