

PCB 继电器	TRG1
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- 5A switching capability
- SPDT (B-M) configuration
- Standard PC layout
- Sealed type available
- Surge resistance of 5000V
- Conform to RoHS,ELV directive

07001021631

us E173485

R50108695

外形尺寸 18.3×10.2×15.7

ORDERING CODE 订购代码

<u>TRG1</u>	<u>D</u>	—	<u>12VDC</u>	—	<u>S</u>	—	<u>H</u>
1	2		3		4		5
1. Relay Model 继电器型号				4. 封装形式: Sealed 密封			
2. Coil Power 线圈功率 D=0.45W, L=0.2W				5. 触点转换形式 H: Form A			
3. Coil Nominal Voltage 线圈额定电压 3,5,6,9,12,18,24VDC				D: Form B			
				Z: Form C			

COIL DATA 线圈参数 (at 20°C)

Nominal Voltage 额定电压(VDC)	3	5	6	9	12	18	24	
Coil Resistance 线圈阻值($\Omega \pm 10\%$)	45	125	180	405	720	1620	2880	0.2W
Rated Current 额定电流(mA)	66.67	40	33.33	22.22	16.67	11.11	8.33	
Max Operate Voltage 最大吸合电压(VDC)	2.25	3.75	4.5	6.75	9	13.5	18	
Min Release Voltage 最小释放电压(VDC)	0.15	0.25	0.3	0.45	0.6	0.9	1.2	
Coil Resistance 线圈阻值($\Omega \pm 10\%$)	20	56	80	180	320	720	1280	0.45W
Rated Current 额定电流(mA)	150	89.28	75	50	37.5	25	18.75	
Max Operate Voltage 最大吸合电压(VDC)	2.25	3.75	4.5	6.75	9	13.5	18	
Min Release Voltage 最小释放电压(VDC)	0.15	0.25	0.3	0.45	0.6	0.9	1.2	
Max Applicable Voltage 最大过载电压	70°C时额定电压的 130%， 23°C时额定电压的 170%							

CONTACT DATA 触点参数

Contact Form 触点形式	1H, 1D, 1Z			
Contact Material 触点材料	Silver Alloy			
Load 负载	Resistive load (COS Φ 1)			
Contact Ratings 触点负载	1H (0.45W)	1H (0.2W)	1D (0.45W)	1Z (0.45W)
	10A 125VAC 5A 250VAC/30VDC	3A 250VAC/30VDC	3A 250VAC/30VDC	3A 250VAC/30VDC
Minimum load 最小负载	100mA 5VDC			
Max Switching Voltage 最大转换电压	250VAC/30VDC			
Max Switching Current 最大转换电流	5A			
Max Switching Power 最大转换功率	1250VA/150W			
Contact Resistance 接触电阻	100m Ω Max at 6VDC 1A			
Life Expectancy 寿命	Electrical 电气寿命: 100,000 Operations(at30Operations/minute)			
	Mechanical 机械寿命: 10,000,000 Operations(at300Operations/minute)			

■ CHARACTERISTICS DATA 性能参数

Insulation Resistance绝缘阻值	100MΩ Min at 500VDC	
Dielectric Strength Between Open Contacts触点间耐压	1000VAC 1min.	
Between Contacts and coil触点与线圈间耐压	4000VAC 1min. (仅H型)	2500VAC 1min.
Operate Time吸合时间	≤8ms (额定电压下)	
Release Time释放时间	≤5ms (额定电压下)	
Temperature Range环境温度	-40°C to +85°C	
Shock Resistance冲击	Operating Extremes动作极限: 10G	
	Damage Limits破坏极限: 100G	
Vibration Resistance振动	10-55Hz, 1.5mm双振幅	
Max. switching frequency最大转换频率	Mechanical: 18,000operations/hr	
	Electrical: 1,800operations/hr	
Humidity湿度	40-85%	
Weight重量	Approx 6g	
Safety Standard安全标准	UL cUL TÜV CQC	

■ APPROVED STANDARDS 安全标准

Model(型号)	Coiling rating (线圈电压)	Safety Standard (安全标准)	Contact rating (触点负载)	
TRG1	3 to 24VDC	UL	10A 120VAC 5A 240VAC 3A 240VAC 3A 30VDC	
		CQC	5A 240VAC	
		TÜV	1H-D	5A 250VAC 10A 125VAC 5A 30VDC
			1H-L	3A 250VAC 3A 30VDC

■ ENGINEERING DATA 设计参数



