

LATCHING RELAY 磁保持继电器

TRL1

- High Contact Load
高容量触点负载
- The relays are designed and manufactured in accordance with the standards of DIN IEC 255, part 1-100/VDC 0435, part 201, which directive(LVD)

根据 DIN IEC 255 标准设计制造，按照 1-100/VDC0435 和 204 部分和 LVD 要求



CONTACT DATA 触点参数

Contact Arrangement 触点形式	1H
Contact Material 触点材料	Silver Alloy 银合金
Contact Ratings 触点负载	100A 250VAC
Max. Switching Voltage 最大切换电压	250VAC
Max. Switching Power 最大切换功率	25000VA
Contact Resistance 接触电阻	$\leq 2\text{m}\Omega$ (6VDC 1A)
Electrical Endurance 电耐久性	1×10^4 OPS(at 20OPS/min) 1×10^4 次(20次/分钟)
Mechanical Endurance 机械耐久性	5×10^4 OPS(at 180 OPS/min) 5×10^4 次(180次/分钟)

CHARACTERISTICS 性能参数

Insulation Resistance 绝缘电阻		1000M Ω Min. at 500VDC
Dielectric Strength 介质耐压	Between Open Contacts 触点间	1000VAC (50/60Hz 1 min)
	Between Contacts and Coil 触点与线圈间	4000VAC (50/60Hz 1 min)
Operate Time 动作时间		≤30ms
Release Time 释放时间		≤30ms
Ambient Temperature 环境温度		-40℃to+85℃
Shock Resistance 冲击		Functional 稳定性: 10G
		Destructive 强度: 100G
Vibration Resistance 振动		10~55Hz, 1.5mm DA 双振幅
Humidity 湿度		20~90%
Unit Weight 重量		Approx. 80g 约80克

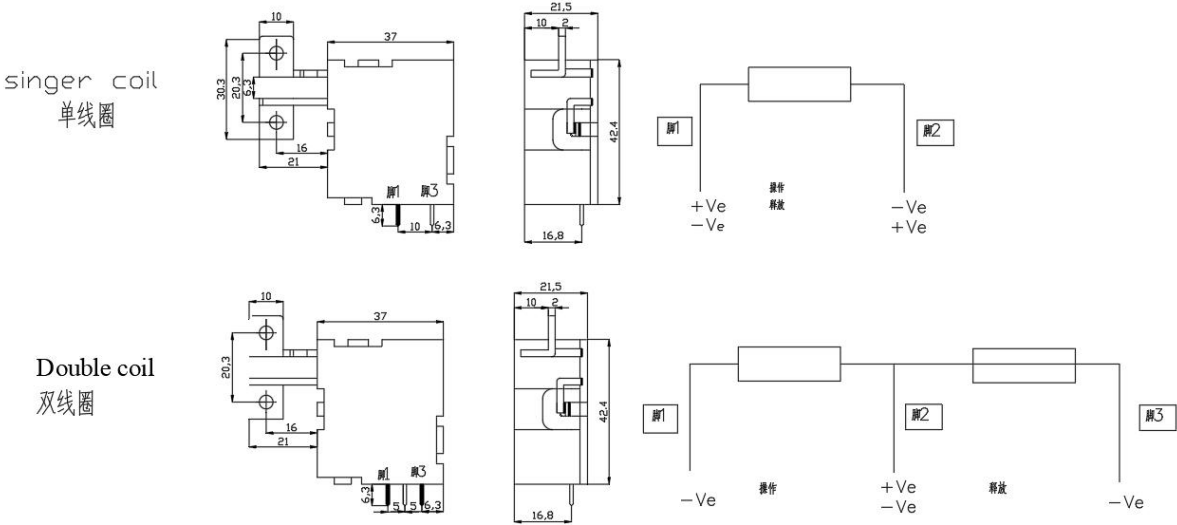
■ COIL DATA 线圈参数 (at 23°C)

Nominal Voltage额定电压(VDC)	5	6	9	12	18	24	48	Single Coil
Coil Resistance线圈阻值($\Omega \pm 10\%$)	10.5	16	34	60	135	250	500	单线圈
Rated Current额定电流(mA)	476.19	375.00	352.94	150.00	133.33	96.00	96.00	2.4W
Operate coil吸合电阻	5.25	8.00	17.00	30.00	67.50	125.00	250.00	Double coil
Operate coil释放电阻	5.25	8.00	17.00	30.00	67.50	125.00	250.00	双线圈
Rated Current额定电流(mA)	476.19	375.00	352.94	150.00	133.33	96.00	96.00	4.8W
Operating Voltage 吸合电压(VDC)	80%(min)							
Release Voltage释放电压(VDC)	80%(min)							
Rectangular Pulse width直角形振波宽度(ms)	Min.100							

■ ORDERING INFORMATION 订货标记示例

	TRL1	D	-12VDC	-H	-1
Type 型号					
Coil Power 线圈功率	D:双线圈 4.8W S:单线圈 2.4W				
Coil Voltage 线圈电压	05, 06, 09, 12, 18, 24, 48VDC				
Contact Arrangement 触点形式	H: 1 Form A H: 一组常开				
Number of wire packages 线包数	1:单线圈 2: 双线圈 1: Single Coil 2: Double coil				

■OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT 外形图、接线图、安装孔尺寸



声 明:

本产品规格书仅供客户使用时参考，如有更改，恕不另行通知。

Disclaimer:

The specification is for reference only. Specification subject to change without notice.