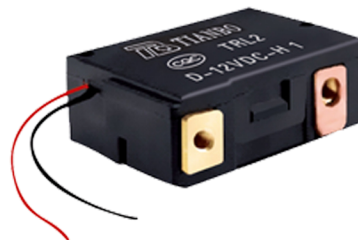


# Magnetic Latching Relay

## TRL2

- The relays are designed and manufactured in accordance with the standards of DIN IEC 255, part 1-100/VDE 0435, part 201, which directive(LVD)
- The polarized latching relays are signed by a high resistance to shock and vibration and a low bounce incination. They are always in a defined switching-position and therefore there is no loss of information in case of power failure.



### ■ ORDERING CODE 订购代码

TRL2   D — 12VDC — H   1  
1        2                3                4        5

- |  |                                      |
|--|--------------------------------------|
| 1. Relay Model 继电器型号                       | 4. Contact Form 触点形式                 |
| 2. Coil Power 线圈功率                         | H: Form A                            |
| L: Single Coil 2.88W, D: Double Coil 5.76W | 5. Number of coil 线包数                |
| 3. Coil Nominal Voltage 线圈额定电压             | 1:Single coil 单线圈, 2:Double coil 双线圈 |
| 5,6,9,12,18,24,48VDC                       |                                      |

### ■ COIL DATA 线圈参数 (at 20℃)

Nominal Voltage额定电压(VDC)	5	6	9	12	18	24	48	Single Coil 2.88W
Coil Resistance线圈阻值( $\Omega \pm 10\%$ )	8.4	12.5	27	50	108	200	768	
Rated Current额定电流(mA)	595.2	480.0	333.3	250.0	222.2	120.0	62.5	
Operate coil吸合线圈( $\Omega \pm 10\%$ )	4.2	6	13.5	25	54	100	384	Double Coil 5.76W
Operate coil吸合线圈( $\Omega \pm 10\%$ )	4.2	6	13.5	25	54	100	384	
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)	80%100							

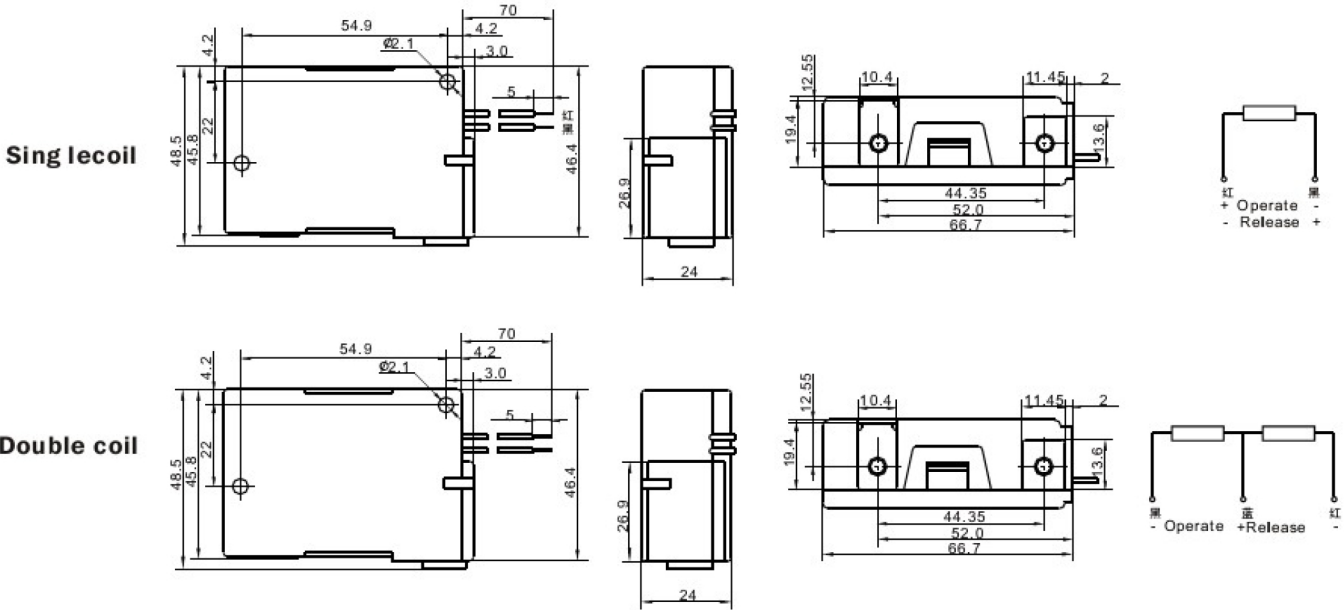
### ■ CONTACT DATA 触点参数

Contact Form触点形式	1H
Contact Material触点材料	Silver Alloy
Contact Ratings触点负载	100A 250VAC
Max Switching Voltage最大转换电压	250VAC
Max Switching Power 最大转换功率	25000VA
Contact Resistance接触电阻	2m Ω Max at 6VDC 1A
Life Expectancy寿命	Electrical 电气寿命: 1, 000 Operations(at20Operations/minute)
	Mechanical机械寿命: 200, 000 Operations(at180Operations/minute)

CHARACTERISTICS DATA 性能参数

Insulation Resistance绝缘阻值	1000MΩ Min at 500VDC
Dielectric Strength Between Open Contacts触点间耐压	1000VAC(for one minute)
Between Contacts and coil触点与线圈间耐压	5000VAC(for one minute)
Operate Time吸合时间	30ms
Release Time释放时间	30ms
Temperature Range环境温度	-30℃to+55℃
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
Humidity湿度	40-90%
Weight重量	Approx 150g

OVERALL AND MOUNTING DIMENSIONS 安装图



备注：1）产品部分外形尺寸中未注尺寸公差：当外形尺寸≤1mm 时，公差为±0.2mm；当外形尺寸在 1~5mm 时，公差为±0.3mm；  
当外形尺寸>5mm 时，公差为±0.4mm。  
2）安装孔尺寸中未注尺寸公差均为±0.1mm。

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。