

Magnetic Latching Relay

TRL3

- High contact Load
- The relays are designed and manufactured in accordance to the Standards of DIN IEC 255. part 1-00/VDE 0435, part 201, which are also in accordance to the Low Voltage directive(LVD).
- The polarized vibrations and a lowbounce inclination. 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

TRL3 D — 12VDC — H S 1
 1 2 3 4 5

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|--|---|
| 1. Relay Model 继电器型号 | Z: Form C |
| 2. Coil Power 线圈功率
Single coil 单线圈=1.0W, Double coil 双线圈=2.0W | 5. Terminal form 端子形式
S, T |
| 3. Coil Nominal Voltage 线圈额定电压
5,6,9,12,18,24,48VDC | 6. 线包数Number of coil
1:单线圈Single coil, 2:双线圈 Double coil |
| 4. Contact Form 触点形式
H: Form A
D:Form B | |

COIL DATA 线圈参数 (at 20°C)

Nominal Voltage额定电压(VDC)	5	6	9	12	18	24	48	Single coil 1.0W
Coil Resistance线圈阻值($\Omega \pm 10\%$)	24	36	80	140	200	560	2200	
Rated Current额定电流(mA)	416.67	333.33	225.00	171.43	150.00	85.71	43.64	
Operate coi吸合线圈	12	18	40	70	100	280	1100	Double coil 2.0W
Operate coi吸合线圈	12	18	40	70	100	280	1100	
Rated Current额定电流(mA)	416.67	333.33	225.00	171.43	150.00	85.71	43.64	
Release Voltage 释放电压(VDC)	80%(min)							
Operating Voltage吸合电压(VDC)	80%(max)							
Rectangular Pulse width直角形振波宽度(ms)	Min.20							

CONTACT DATA 触点参数

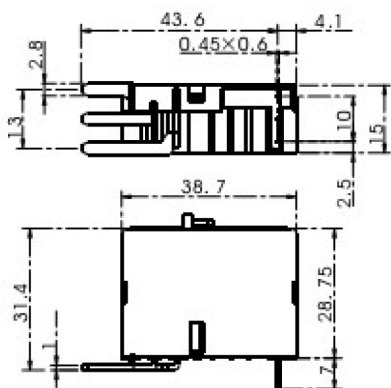
Contact Form触点形式	1H/1Z
Contact Material触点材料	Silver Alloy
Load负载	Resistive load(COS Φ 1)
Contact Ratings触点负载	25A 250VAC
Max Switching Voltage最大转换电压	440VAC
Max Switching Power 最大转换功率	6250VA
Contact Resistance接触电阻	50m Ω Max at 24VDC 1A
Life Expectancy寿命	Electrical 电气寿命: 30,000 Operations(at120Operations/minute)
	Mechanical机械寿命: 1000,000 Operations(at120Operations/minute)

CHARACTERISTICS DATA 性能参数

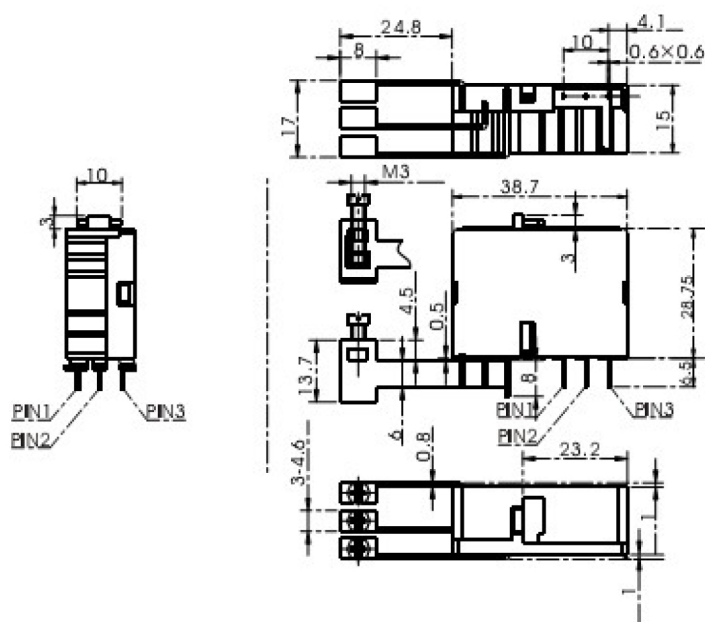
Insulation Resistance绝缘阻值	1000MΩ Min at 500VDC
Dielectric Strength Between Open Contacts触点间耐压	1500VAC(for one minute)
Between Contacts and coil触点与线圈间耐压	4000VAC(for one minute)
Operate Time吸合时间	10ms
Release Time释放时间	10ms
Temperature Range环境温度	-25℃ to +70℃
Shock Resistance冲击	Operating Extremes动作极限: 10G
	Damage Limits破坏极限: 100G
Vibration Resistance振动	10-60Hz, 1.5mm
Humidity湿度	40-90%
Weight重量	Approx 36g

OVERALL AND MOUNTING DIMENSIONS 安装图

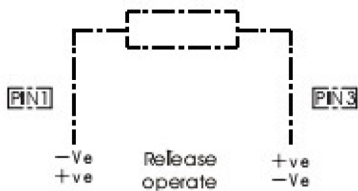
Terminal form(S)



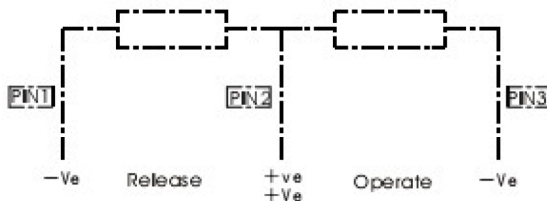
Terminal form(T)



Single coil



Double coil



备注: 1) 产品部分外形尺寸中未注尺寸公差: 当外形尺寸 $\leq 1\text{mm}$ 时, 公差为 $\pm 0.2\text{mm}$; 当外形尺寸在 $1\sim 5\text{mm}$ 时, 公差为 $\pm 0.3\text{mm}$; 当外形尺寸 $> 5\text{mm}$ 时, 公差为 $\pm 0.4\text{mm}$ 。

2) 安装孔尺寸中未注尺寸公差均为 $\pm 0.1\text{mm}$ 。

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。