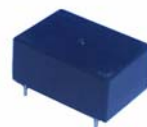


PCB 继电器

TRCD/TRCDF

- Sub-miniature dimensions: $23 \times 16.1 \times 10.2$ (L $\times$ W $\times$ H)
- High-sensitivity models available with low power consumption (200 mW)
- Conform to RoHS,ELV directive


 $23 \times 16.1 \times 10.2$
 $23 \times 25 \times 10.2$


06001015775



E173485



R50066938

ORDERING CODE 订购代码

TRCD	L	—	12VDC	—	S	—	H
1	2		3		4		5
1. Relay Model 继电器型号					4. S: Sealed 密封		
2. Coil Power 线圈功率					Nil: Vented(Flux-tight) 防焊剂型		
3. Coil Nominal Voltage 线圈额定电压					5. 触点转换形式		
					H: Form A		

COIL DATA 线圈参数 (at 20℃)

Nominal Voltage额定电压(VDC)	3	5	6	9	12	24	48	
Coil Resistance线圈阻值($\Omega \pm 10\%$)	20	56	80	180	320	1280	5120	0.45W
Rated Current额定电流(mA)	150	90	75	50	37.5	18.7	9.4	
Max Operate Voltage 最大吸合电压(VDC)	2.25	3.75	4.5	6.75	9	18	36	
Min Release Voltage最小释放电压(VDC)	0.15	0.25	0.3	0.45	0.6	1.2	2.4	
Coil Resistance线圈阻值($\Omega \pm 10\%$)	45	125	180	405	720	2880	11520	0.2W
Rated Current额定电流(mA)	66.7	40	33.3	22.2	16.7	8.3	4.2	
Max Operate Voltage 最大吸合电压(VDC)	2.25	3.75	4.5	6.75	9	18	36	
Min Release Voltage最小释放电压(VDC)	0.15	0.25	0.3	0.45	0.6	1.2	2.4	
Coil Resistance线圈阻值($\Omega \pm 10\%$)	25	69	100	225	400	1600	6400	0.36W
Rated Current额定电流(mA)	120	72	60	40	30	15	7.5	
Max Operate Voltage 最大吸合电压(VDC)	2.25	3.75	4.5	6.75	9	18	36	
Min Release Voltage最小释放电压(VDC)	0.15	0.25	0.3	0.45	0.6	1.2	2.4	
Max Applicable Voltage 最大过载电压	70℃时额定电压的130%，23℃时额定电压的170%							

CONTACT DATA 触点参数

Contact Form触点形式	1H
Contact Material触点材料	Silver Alloy
Load 负载	Resistive load(COS Φ =1)
Contact Ratings触点负载	16A 250VAC (TRCDF only) 10A 250VAC/24VDC 15A 125VAC 1/2HP 125VAC TV-5A @125VAC(LAMP)
Minimum load 最小负载	100mA 5VDC
Max Switching Voltage最大转换电压	250VAC/125VDC
Max Switching Current最大转换电流	16A
Max Switching Power 最大转换功率	4000VA/480W
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)

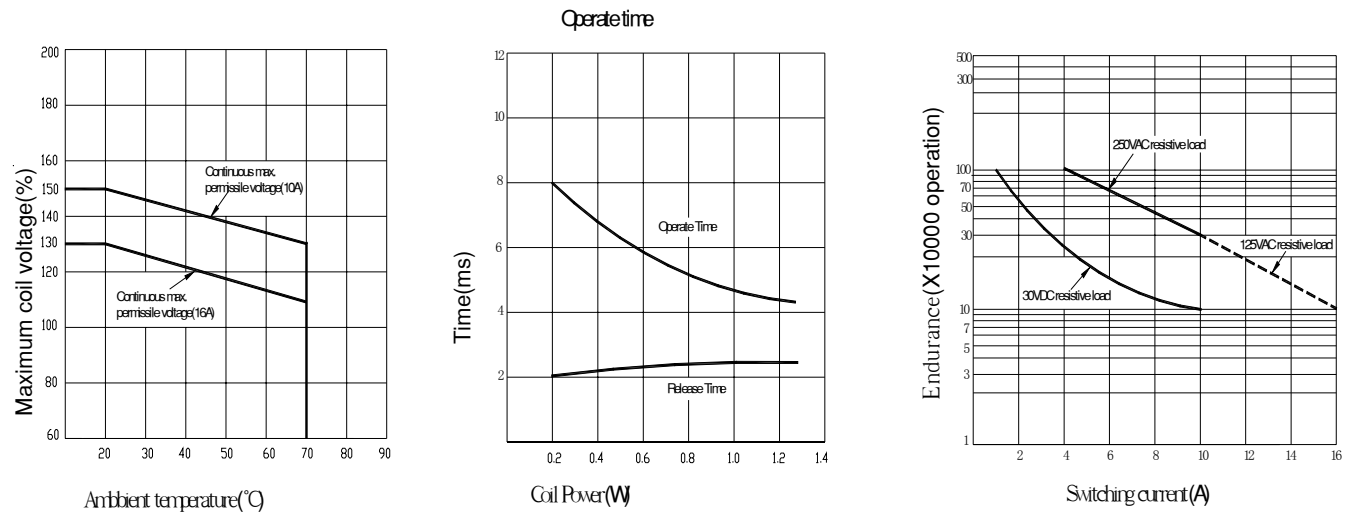
■ CHARACTERISTICS DATA 性能参数

Insulation Resistance绝缘阻值	100M Ω Min at 500VDC
Dielectric Strength Between Open Contacts触点间耐压	750VAC(for one minute)
Between Contacts and coil触点与线圈间耐压	2500VAC(for one minute)
Operate Time吸合时间	15ms
Release Time释放时间	8ms
Temperature Range环境温度	-40℃to+85℃
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
Max. switching frequency最大转换频率	Mechanical:18,000operations/hr
	Electrical:1,800operations/hr
Humidity湿度	20-85%
Weight重量	Approx 10g
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)
TRCD or TRCDF	3 to 48VDC	TÜV	16A 250VAC 10A 250VAC 10A 24VDC
		UL/cUL	10A 250VAC 15A 125VAC 1/2HP 125VAC TV-5A @125VAC (LAMP)
		CQC	16A 250VAC 10A 250VAC 10A 24VDC

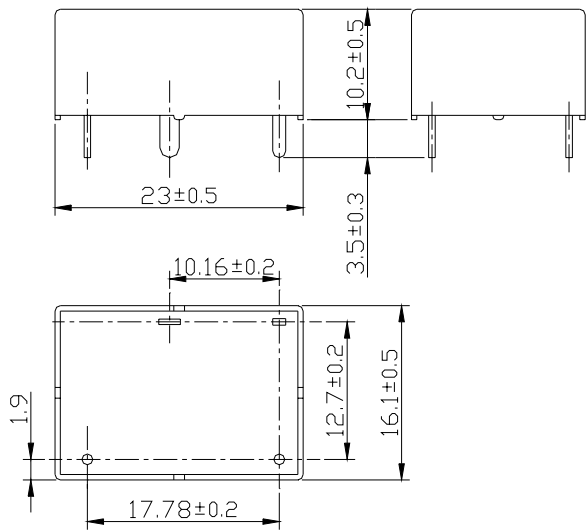
■ ENGINEERING DATA 设计参数



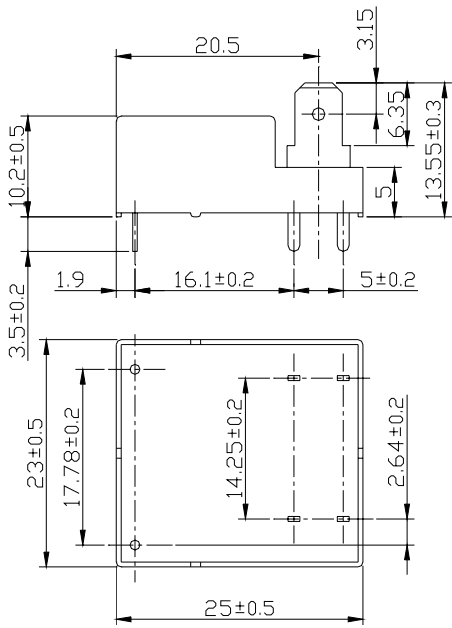
■ OVERALL AND MOUNTING DIMENSIONS 安装图

Outline dimensions

TRCD

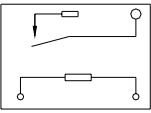


TRCDF



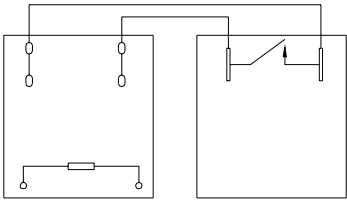
Wiring Diagrams

TRCD

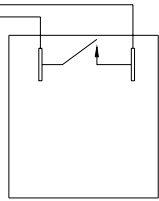


(Bottom View)

TRCDF



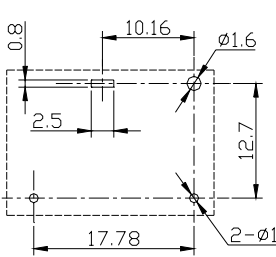
(Top View)



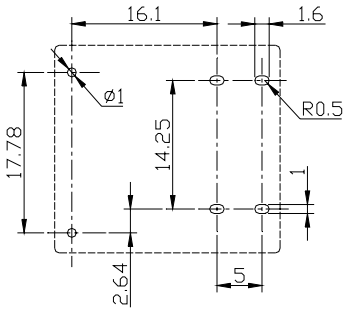
(Bottom View)

PC Board Layouts(Bottom View)

TRCD



TRCDF



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。