

TR83

➤ MAIN FEATURES

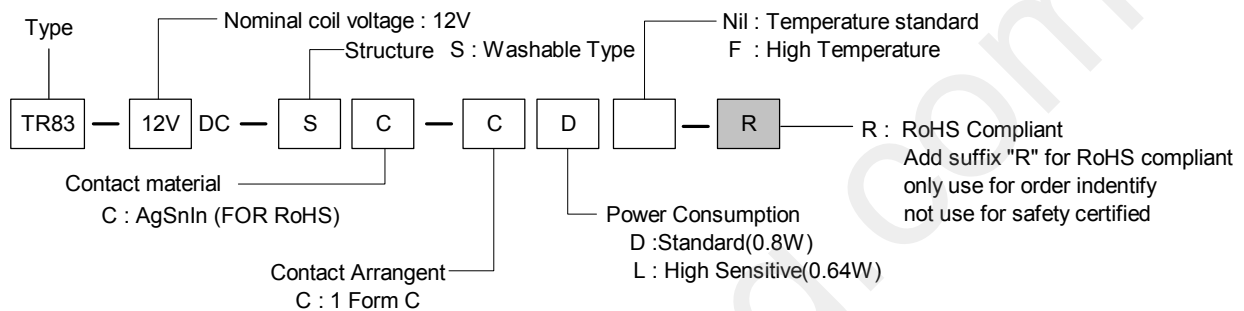
- Compact size.
- Contact arrangement: 2 Form C.
- DPDP(B-M) contacts with internal H-bridge.
- Switching capacity up to 25A motor lock load.
- High performance PCB relay.

➤ APPLICATIONS

- Suitable for household electrical appliances, automation system.



➤ ORDERING INFORMATION

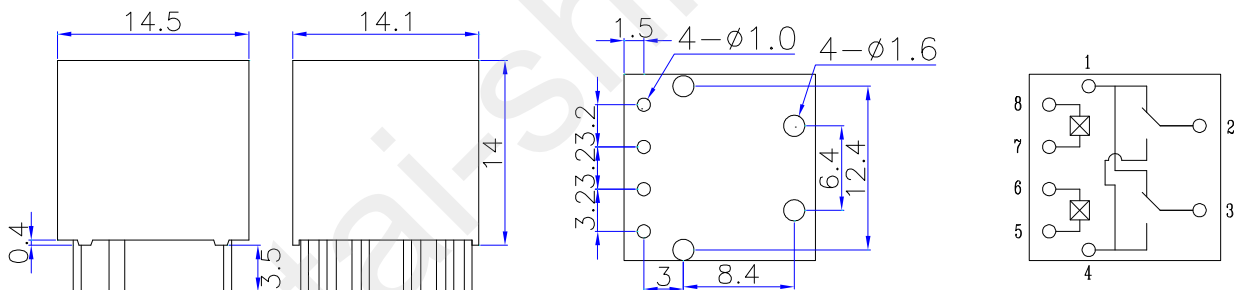


■ DIMENSION (unit:mm)

■ DRILLING (unit:mm)

■ WIRING DIAGRAM

(Bottom Views)



➤ COIL DATA CHART (at 20°C)

Coil Sensitivity	Coil Voltage (VDC) Rated	Nominal Current (mA)	Coil Resistance (Ω) $\pm 10\%$	Coil Power (W)	Pickup voltage (VDC) Max. (60% of rated voltage)	Release voltage (VDC) Min. (83% of rated voltage)	Coil Voltage (VDC) Max.
TR83 (High Sensitive)	12	53.3	225	0.64	7.2	1.0	16
TR83 (Standard)	12	66.7	180	0.80	6.5	1.0	16

➤ CONTACT RATING

Type	TR83
Item	
Contact Capacity	
Resistive Load (cos Φ =1)	25A Motor Lock / 14VDC
Max. Switching Voltage	16VDC
Max. Switching Current	30A
Max. Switching Power Force	480W
Contact Material	Ag Alloy

➤ PERFORMANCE (at initial value)

Type	TR83
Item	
Contact Resistance	100m Ω
Operation Time	Approx. 10msec
Release Time	Approx. 5msec
Dielectric Strength	
Between open contacts	500V 50Hz
Between coil & contact	500V 50Hz
Shock Resistance	
Functional	100m/s ² 11ms
Survival	1000m/s ² 11ms
Vibration Resistance	
Functional	45 m/s ² D.A. 10 to 500Hz
Survival	45 m/s ² D.A. 10 to 500Hz
Terminals resistance	5N
Solderability	235°C \pm 2°C, 3 \pm 0.5s
Temperature Range	-40°C ~105°C
Relative Humidity	85% (at 40°C)
Insulation Resistance	100 M Ω Min. (at 500VDC)
Life Expectancy	
Mechanically	1 \times 10 ⁶ ops. Min.
Electrically	1 \times 10 ⁵ ops. Min.
Weight	7.5g

This datasheet for reference and subject to change without notice. Please double check final specification with Tai-Shing. (1030AA08VOL01)