



TRQ2

MAIN FEATURES

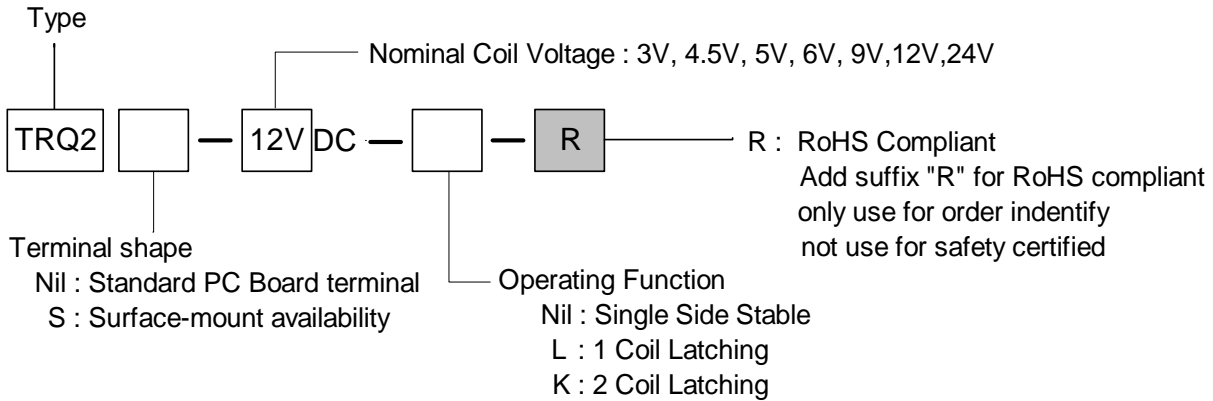
- DIL Pitch Terminals High Sensitivity: 0.14W Nominal Power.
- Conforms to FCC Part 68 1.5KV Surge and Dielectric 1000VAC.
- Monostable or bistable relays Single and double Coil magnet -latching Type available.
- Contact arrangement: 2 Form C
- UL & cUL recognized.



APPLICATIONS

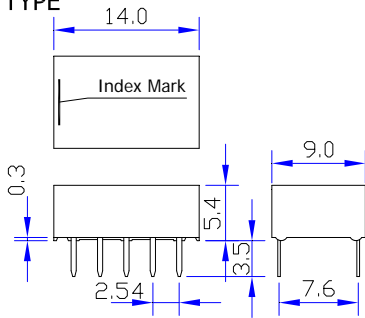
- Telecommunication Equipment, Office Equipment, Security
 - Alarm Systems, Measuring instruments, Medical Monitoring
 - Equipment, Audio Visual Equipment, Flight Simulator, Sensor Control.

ORDERING INFORMATION

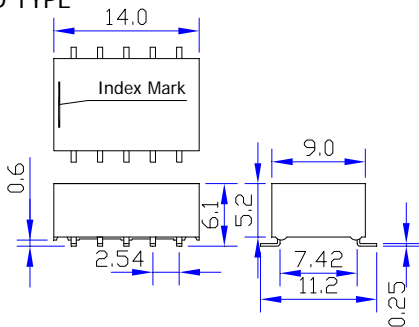


DIMENSION (unit:mm)

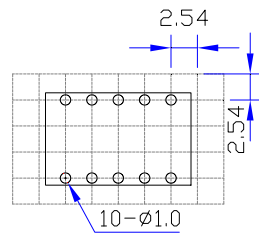
DIP TYPE



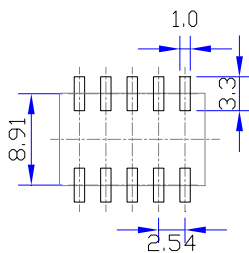
SMD TYPE



DRILLING (unit:mm)

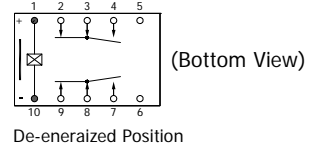


Mounting Pad Layout

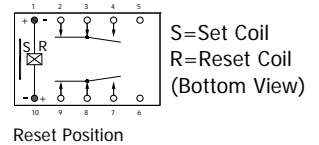


WIRING DIAGRAM

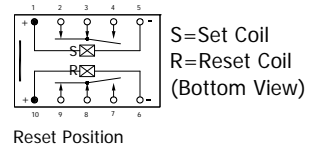
Single Side stable



1 Coil Latching



2 Coil Latching



➤ COIL DATA CHART (at 20°C)

Coil Voltage VDC	Coil Voltage (VDC) Rated	Nominal Current (mA)	Coil Resistance (Ω) ±10%	Coil Power (W)	Pickup voltage (VDC) Max. (75% of rated voltage)	Release voltage (VDC) Min. (10% of rated voltage)	Coil Voltage (VDC) Max.
Single Side Stable	3	46.7	64.3	0.14	2.25	0.3	4.5
	4.5	31.0	145	0.14	3.38	0.45	6.7
	5	28.1	178	0.14	3.75	0.5	7.5
	6	23.4	257	0.14	4.50	0.6	9.0
	9	15.5	579	0.14	6.75	0.9	13.5
	12	11.7	1028	0.14	9.00	1.2	18.0
1 Coil Latching	24	8.3	2880	0.20	18.0	2.4	36.0
	3	33.3	90	0.10	2.25	-2.25	4.5
	4.5	22.1	203	0.10	3.38	-3.38	6.7
	5	20.0	250	0.10	3.75	-3.75	7.5
	6	16.7	360	0.10	4.50	-4.50	9.0
	9	11.1	810	0.10	6.75	-6.75	13.5
2 Coil Latching	12	8.3	1440	0.10	9.00	-9.00	18.0
	24	6.3	3840	0.15	18.0	-18.0	36.0
	3	66.7	45	0.20	2.25	2.25	4.5
	4.5	44.5	101	0.20	3.38	3.38	6.7
	5	40.0	125	0.20	3.75	3.75	7.5
	6	33.3	180	0.20	4.50	4.50	9.0
	9	22.2	405	0.20	6.75	6.75	13.5
	12	16.7	720	0.20	9.00	9.00	18.0
	24	12.5	1920	0.30	18.0	18.0	36.0

➤ CONTACT RATING

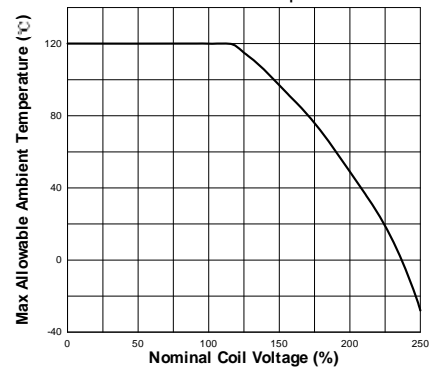
Item	Type	TRQ
Contact Capacity Resistive Load (cosΦ =1)		1A / 30VDC 0.5A / 125VAC
Rated Carrying Current		1A
Max. Switching Voltage		110VDC, 125VAC
Max. Switching Current		1A
Max. Switching Power Force		30W, 62.5VA
Referenced Min. Applicable Load		10mA resistive at 10mVDC
Contact Material		Ag Alloy

➤ PERFORMANCE (at initial value)

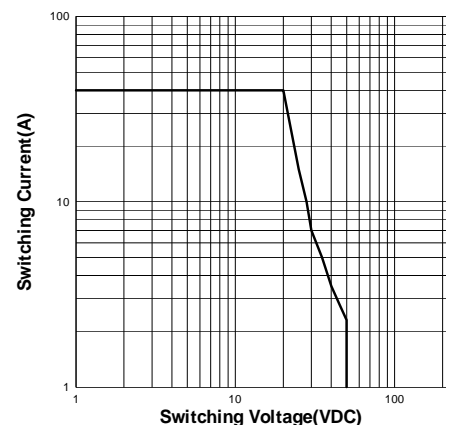
Item	Type	TRQ
Contact Resistance		100mΩ Max. at initial
Operation Time		Approx. 5msec
Release Time		Approx. 5msec
Dielectric Strength		
Between open contacts		750VAC (1 minute)
Between coil & contact		1000VAC (1 minute)
Between Contacts Poles		1000VAC (1 minute)
Surge Withstand Voltage		
Between open Contacts		1500V
Between coil & Contacts		1500V
Between Contacts Poles		2500V
Shock Resistance		
Functional		490m/s ²
Endurance		980m/s ²
Vibration Resistance		
Functional		3mm D.A. 10 to 55Hz
Destructive		5mm D.A. 10 to 55Hz
Terminals resistance		5N
Solderability		235°C± 2°C, 3 ± 0.5s
Temperature Range		-40°C ~ 70°C (-40°F ~ 158°F)
Insulation Resistance		1000 MΩ Min. (at 500VDC)
Life Expectancy		
Mechanically		1 × 10 ⁸ ops. Min. (no load)
Electrically		2 × 10 ⁵ ops. Min. (1A/30VDC) 1 × 10 ⁵ ops. Min. (0.5A/125VDC)
Weight		Approx. 1.5g
UL & cUL		E156521

➤ REFERENCE DATA

Max Allowable Ambient Temperature



Power Load Limit



This datasheet for reference and subject to change without notice. Please double check final specification with Tai-Shing. (1033AA08VOL01)