

# TRQ2

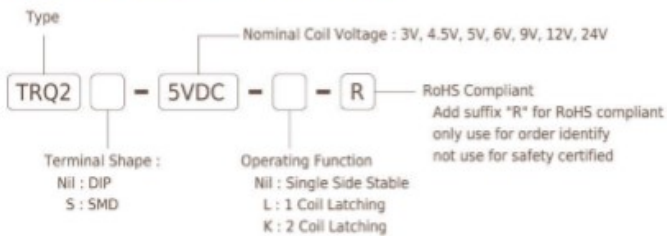
## MAIN FEATURES

- 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



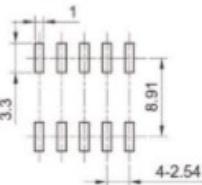
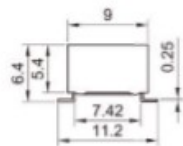
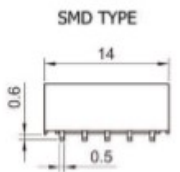
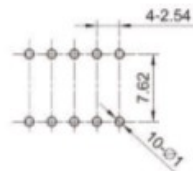
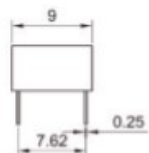
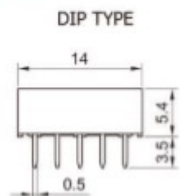
## COIL DATA CHART(at 20°C )

Coil	Coil Voltage Rated (VDC)	Nominal Current (mA)	Coil Resistance ( $\pm 10\%$ )	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	1020	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	TRQ2
Contact Capacity Resistive Load( $\cos\phi=1$ )	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	Silver Alloy

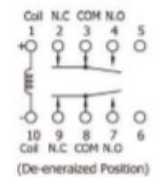
## DIMENSION(unit:mm)



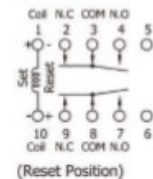
## DRILLING(unit:mm)

## WIRING DIAGRAM

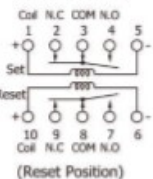
### Single Side Stable



### 1 Coil Latching



### 2 Coil Latching



## PERFORMANCE(at initial value)

Item	TRQ2
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 <sup>2</sup>
Survival	980m/s <sup>2</sup>
Vibration Resistance	
Functional	3mm D.A. 10 to 55Hz
Destructive	5mm D.A. 10 to 55Hz
Terminals resistance	5Ω
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 <sup>7</sup> ops. Min. (no load)
Electrically	2 × 10 <sup>6</sup> ops. Min. (1A/30VDC) 1 × 10 <sup>7</sup> ops. Min. (0.5A/125VDC)
Weight	Abr. 1.5g.
UL & cUL	E156521

Only for reference, won't notify if any change.