



# Power Relay

# TRJ

## MAIN FEATURES

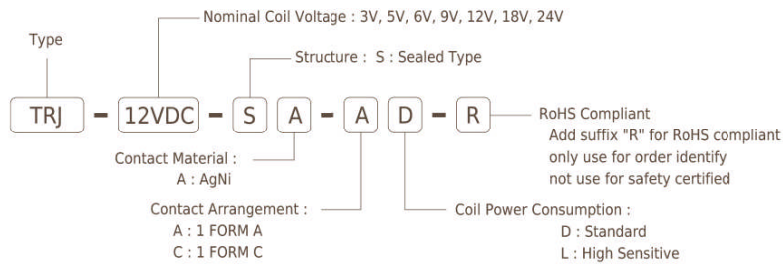
- 5A , 10A switching capabilities
- SPST-NO and SPDT configuration
- Subminiature, standard PC layout
- Sealed & Unsealed types available
- UL & cUL recognized.



## APPLICATIONS

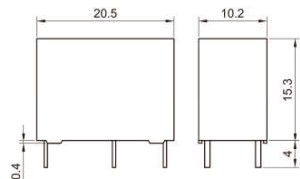
- House-hold appliance, office machine, etc.

## ORDERING INFORMATION

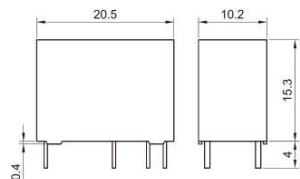


## DIMENSION(unit:mm)

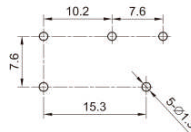
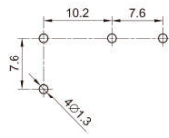
### 1 Form A



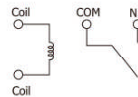
### 1 Form C



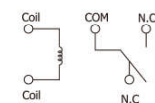
## DRILLING(unit:mm)



## WIRING DIAGRAM



(De-energized Position)



(De-energized Position)

## COIL DATA CHART(at 20°C )

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω) ± 10%	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max-Allowable Voltage (VDC)
TRJ - L (High Sensitivity)	3	67	45	abt. 0.2W	75% Max.	5% Min.	110% Max.
	5	40	125				
	6	33.3	180				
	9	22.5	400				
	12	16.7	720				
	18	11.25	1600				
TRJ - D (Standard)	3	150	20	abt. 0.45W	75% Max.	5% Min.	110% Max.
	5	91	55				
	6	75	80				
	9	50	180				
	12	37.5	320				
	18	25	720				
	24	18.75	1280				

## CONTACT RATING

Item	TRJ			
	1 Form A	1 Form C		
		N/O	N/C	
Contact Capacity	5A 30VDC	5A 30VDC	3A 30VDC	
Resistive Load (cosΦ=1)	5A 250VAC 10A 125VAC	5A 250VAC 10A 125VAC	3A 250VAC	
Rated Carrying Current	10A	10A	3A	
Max. Allowable Voltage	277VAC/30VDC			
Max. Allowable Current	10A	10A	3A	
Max. Allowable Power Force	1250VA/150W		750VA/90W	
Contact Material	Silver Alloy			

## PERFORMANCE(at initial value)

Item	TRJ
Contact Resistance	100mΩ Max(measured at 1A 24VDC).
Operation Time	8msec Max.
Release Time	5msec Max.
Dielectric Strength	Between coil & contact 4000VAC, 1min Between contacts 1000VAC, 1min
Insulation Resistance	1000MΩ Min. (at 500VDC)
Operating Ambient Temperature	-40°C to +70°C
Operating Humidity	35% - 95%
Vibration Resistance	10 to 55Hz Double Amplitude 1.6mm
Shock Resistance	Function Destructive
	100 m/s <sup>2</sup> 1000 m/s <sup>2</sup>
Life Expectancy	Mechanically Electrically
	1 × 10 <sup>7</sup> ops. Min. (no load) 1 × 10 <sup>5</sup> ops. Min. (at rated coil voltage)
Weight	Abt. 7g.
UL & cUL	E156406

1.Tolerance ±0.5mm on all dimensions unless otherwise stated.  
2. Tolerance ±0.1mm on PCB DRILLING dimension unless otherwise stated.