

MAIN FEATURES

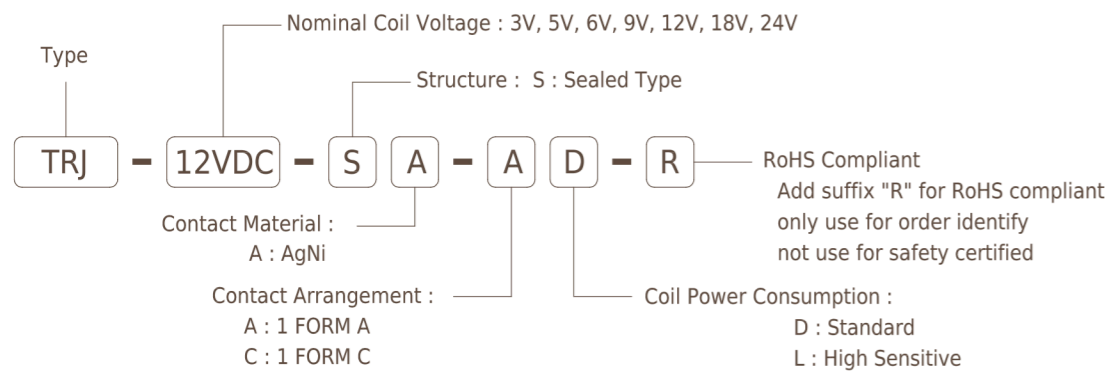
- 5A , 10A switching capabilities
- SPST-NO and SPDT configuration
- Subminiature, standard PC layout
- Sealed & Unsealed types available
- UL & cUL recognized.



APPLICATIONS

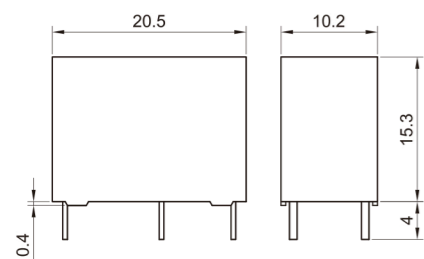
- House-hold appliance, office machine, etc.

ORDERING INFORMATION

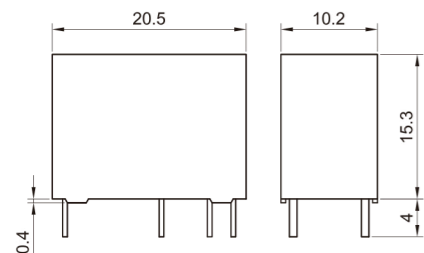


DIMENSION(unit:mm)

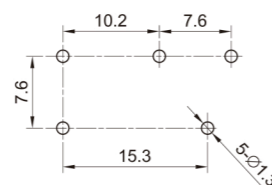
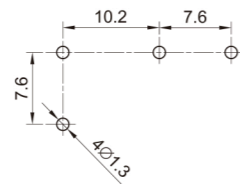
1 Form A



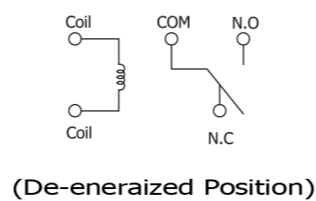
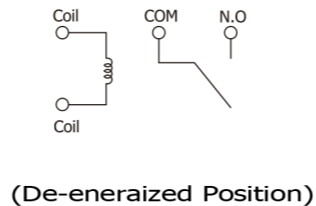
1 Form C



DRILLING(unit:mm)



WIRING DIAGRAM



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 | |
| Contact Capacity | 5A 30VDC | 5A 30VDC | N/O |
| Resistive Load (cosΦ=1) | 5A 250VAC 10A 125VAC | 5A 250VAC 10A 125VAC | 3A 30VDC 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: 100 m/s ² Destructive: 1000 m/s ² |
| Life Expectancy | Mechanically: 1 × 10 ⁷ ops. Min. (no load) Electrically: 1 × 10 ⁵ 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.