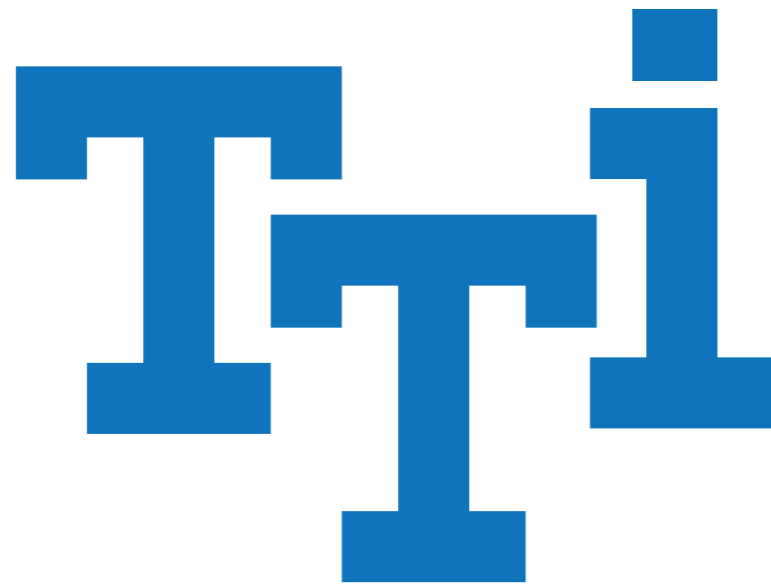


Tai-shing Electronics Components Corp.
www.tti.com.tw



Telecom Relay





Company Mission

Continuing the concept of sincere and honest management, TSE provides quality products, competitive pricing and satisfactory service to our customers.

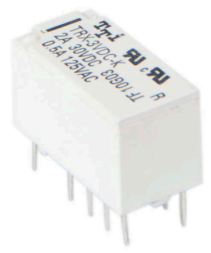
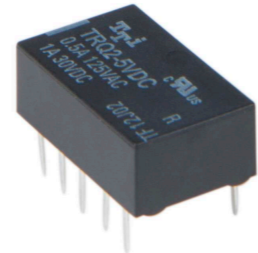
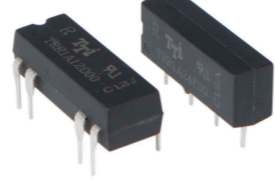
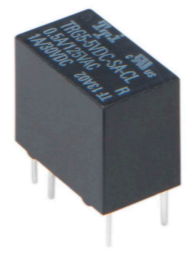
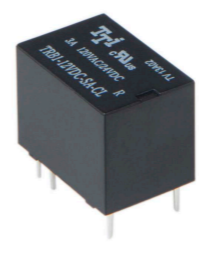
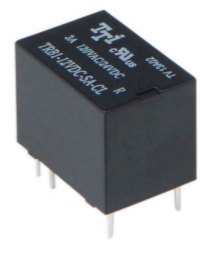
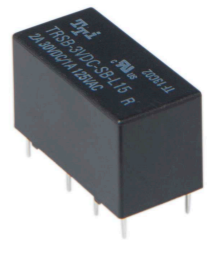
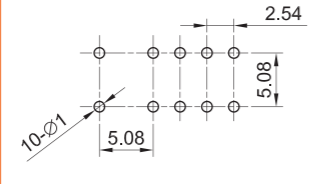
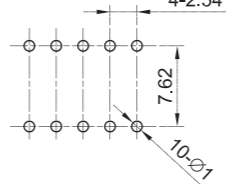
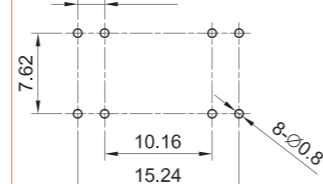
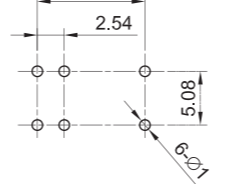
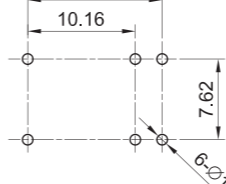
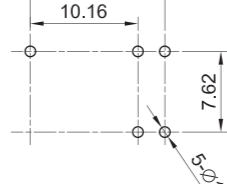
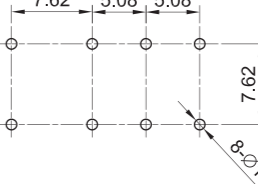
Management at TSE realizes that its greatest asset is in its employees.

Provisions are made to insure freedom of innovation and creation of new ideas and their development.

Contact Form	Coil		Terminals				Switching Current (Resistive Load) (A)																Type		
	AC	DC	PCB	QC	Plug in	other	0	0.5	1	2	3	4	5	10	20	30	40	50	60	70	80	90		100	120
1 FORM A (SPST)							[Shaded area from 0 to 100A]																TRR		
1 FORM B							[Shaded area from 0 to 100A]																TRR		
1 FORM C (SPDT)							[Shaded area from 0 to 100A]																TRR		
							[Shaded area from 0 to 100A]																TRG5		
							[Shaded area from 0 to 100A]																TRB1		
							[Shaded area from 0 to 100A]																TRB1S		
2 FORM A							[Shaded area from 0 to 100A]																TRR		
2 FORM C							[Shaded area from 0 to 100A]																TRX		
							[Shaded area from 0 to 100A]																TRQ2		
							[Shaded area from 0 to 100A]																TRSB		



Selection Chart

Model		TRX	TRQ2	TRR	TRG5	TRB1	TRB1S	TRSB	
Appearance									
size (LxWxH)		15.0x7.5x9.0	14x9.0x5.4	(SIP)19.0x5.08x7.4 (DIP)19.5x7.0x5.5 (SMD)19.5x7.0x5.5	12.5x7.5x10	15.7 × 10.4 × 11.7	15.7 × 10.4 × 11.7	20.2 × 10 × 11.5	
Contact Ratings	Arrangement	2 Form C	2 Form C	1 Form A 1 Form B 1 Form C 2 Form A	1 Form C	1 Form C	1 Form C	2 Form C	
	Max. Switching Current	200A							
		100A							
		60A							
		50A							
40A									
30A									
20A									
10A									
5A									
3A									
2A									
1A									
Max.Switching Voltage		220VDC	110VDC/125VAC		60VDC/125VAC	60VDC/240VAC	60VDC/240VAC	30VDC/125VAC	
Max.Switching		60W/62.5VA	30W/62.5VA	3VA Max.(1C) 10VA Max.(1A,1B,2A)	30W/62.5VA	90W/360VA	90W/360VA	60W/125VA	
Rated Load (Resistive Load)		2A/30VDC 0.5A/125VAC	1A/30VDC 0.5A/125VAC	DC10W AC10VA Switch Current 0.5A Carry current 1.0A	1A/30VDC 0.3A/60VDC 0.5A/125VAC	3A/120VAC 3A/24VDC	3A/120VAC 3A/24VDC	1A/125VAC 2A/30VDC	
Coil Ratings	Nominal Power	0.1W,0.14W,0.2W	0.1W~0.3W	0.05 ~ 0.288W	0.15W,0.2W	0.2W,0.36,W 0.45W	0.2W,0.36W, 0.45W	0.15W~ 0.58W	
	Nominal Voltage	3VDC ~ 24VDC	3VDC ~ 24VDC	5VDC ~ 24VDC	1.5VDC~12VDC	3VDC~48VDC	3VDC~48VDC	3VDC~48VDC	
Terminal Type		PCB SMD	PCB	PCB	PCB	PCB	PCB	PCB	
Safety Standard	UL	E156521	E156521	E156521	E156521	E156521	E156521	E156521	
	TUV								
	cUL	E156521	E156521	E156521	E156521	E156521	E156521	E156521	
Layout (Bottom View)									
Cross Reference		OMRON G6S PANASONIC TX FUJITSU NA NEC EC2/ED2	OMRON G6H PANASONIC TQ FUJITSU A NEC EA2		OMRON G5V-1 PANASONIC HY FUJITSU SY NEC TY	OMRON G2E PANASONIC MZ OEG OUA/OUAZ	OMRON G2E PANASONIC MZ OEG OUA/OUAZ	OMRON G5V-2 /G6A PANASONIC DS2Y FUJITSU RY/RA NEC MR62/MR82	



Telecom Relay TRX

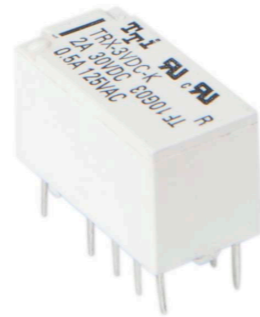
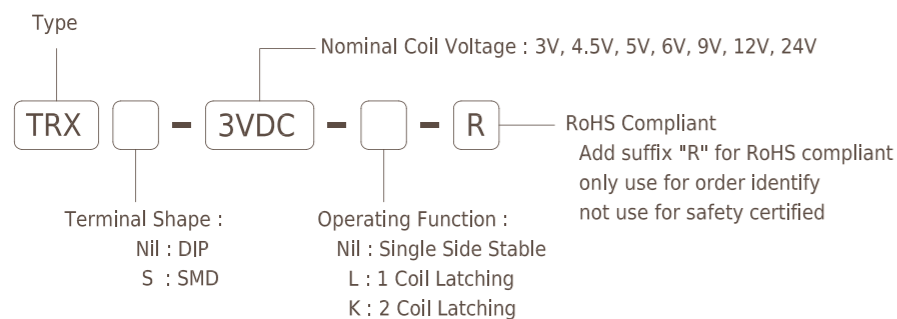
MAIN FEATURES

- DIL pitch terminals.
- Contact arrangement: 2 Form C.
- Conforms to FCC Part 68 2.5kV Surge and Dielectric 1500VAC;
- High contact capacity 2A/30VDC;

APPLICATIONS

- Application for 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 Sensitivity	Coil Voltage Rated (VDC)	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	3	33.3	90	0.10	2.25	-2.25	4.5
	4.5	22.2	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
	12	8.3	1440	0.10	9.00	-9.00	18.0
2 Coil Latching	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	4.5	4.5	9.0
	9	22.2	405	0.20	6.75	6.75	13.5
	12	16.7	720	0.20	9	9	18
	24	8.3	2880	0.20	18	18	36

CONTACT RATING

Item	TRX
Contact Capacity Resistive Load (cosφ=1)	2A/30VDC 0.5A/125VAC
Max. Switching Voltage	220VDC
Max. Switching Current	2A
Max. Switching Power Force	60W, 62.5VA
Referenced Min. Applicable Load	0.01mA/10mVDC
Contact Material	Silver Alloy

PERFORMANCE(at initial value)

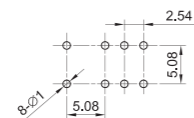
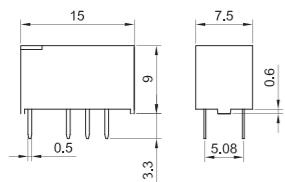
Item	TRX
Contact Resistance	80mΩ
Operation Time	Approx. 4msec
Release Time	Approx. 4msec
Dielectric Strength	Between open contacts 1000VAC (1 minute) Between coil & contact 1500VAC (1 minute) Between Contacts Poles 1000VAC (1 minute)
Surge Withstand Voltage	Between open Contacts(10x160us) 1500VAC (FCC part 68) Between coil & Contacts(2x 10us) 2500VAC (Telecordia)
Shock Resistance	Functional 750m/s ² 11ms Survival 1000m/s ² 6ms
Vibration Resistance	Functional 3.3mm D.A. 10 to 55Hz
Terminals resistance	50K max.
Temperature Range	-40°C to 85°C
Relative Humidity	35% to 85% RH
Insulation Resistance	1000 MΩ Min. (at 500VDC)
Life Expectancy	Electrically 5 × 10 ⁵ ops. Min. (1A/30VDC) Mechanically 1 × 10 ⁵ ops. Min. (2A/30VDC) 1 × 10 ⁸ ops. Min.
Weight	Abt.2g.
UL	E156521

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

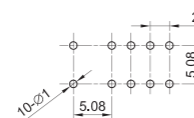
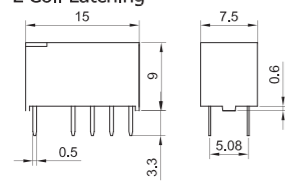
DIMENSION(unit:mm)

DIP TYPE

Single Side Stable/ 1 Coil Latching

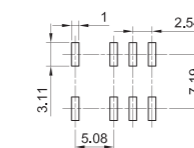
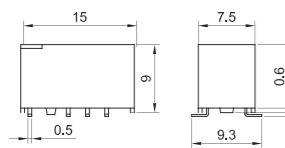


2 Coil Latching

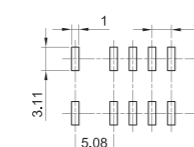
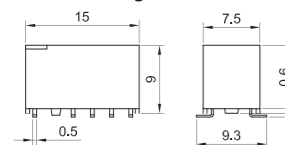


SMD TYPE

Single Side Stable/ 1 Coil Latching



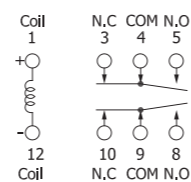
2 Coil Latching



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

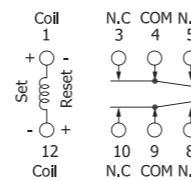
WIRING DIAGRAM

Single Side Stable



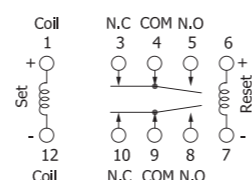
(De-energized Position)

1 Coil Latching



(Reset Position)

2 Coil Latching



(Reset Position)



Telecom Relay TRQ2

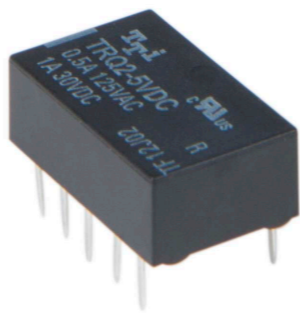
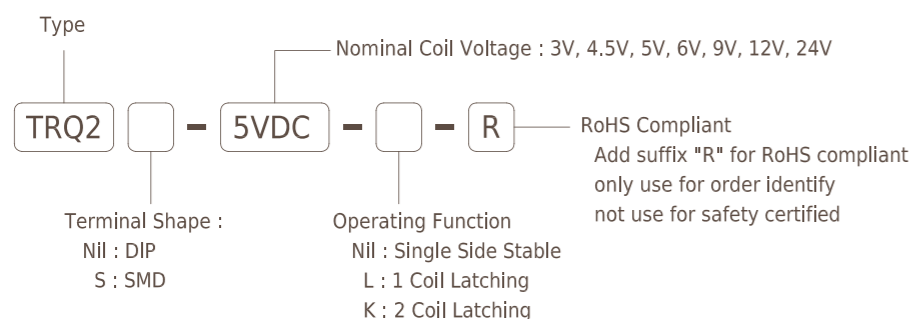
MAIN FEATURES

- 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 (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
2 Coil Latching	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 (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	Silver Alloy

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 ²
Survival	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	Abt. 1.5g.
UL & cUL	E156521

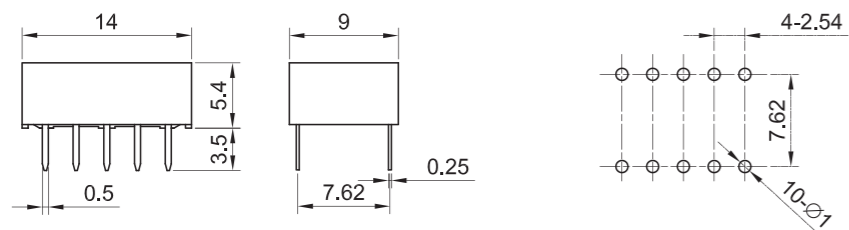
Only for reference, won't notify if any change.

DIMENSION(unit:mm)

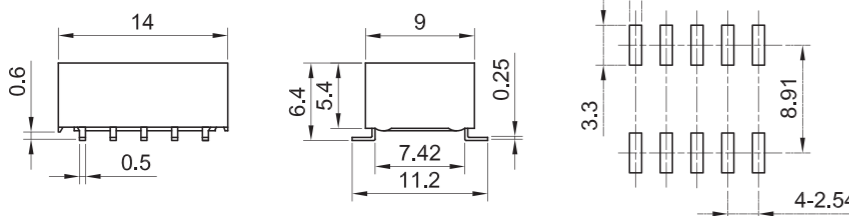
DRILLING(unit:mm)

WIRING DIAGRAM

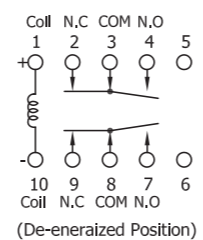
DIP TYPE



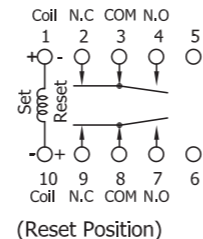
SMD TYPE



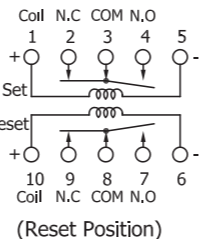
Single Side Stable



1 Coil Latching



2 Coil Latching



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



Telecom Relay TRR

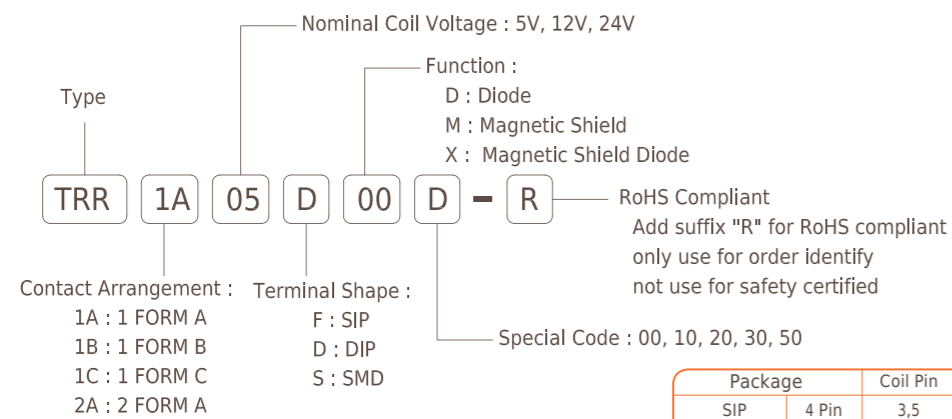
MAIN FEATURES

- Miniature, cost-effective switching solution.
- State of the art capsule designs.
- Molded construction for compatibility with automatic board processing.
- Epoxy-molded dual-in-line package.
- UL and cUL recognized.

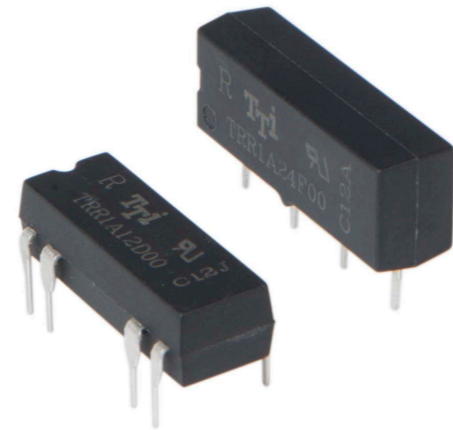
APPLICATIONS

- Measuring equipment, Communication equipment, Control equipment, Appliances, etc.

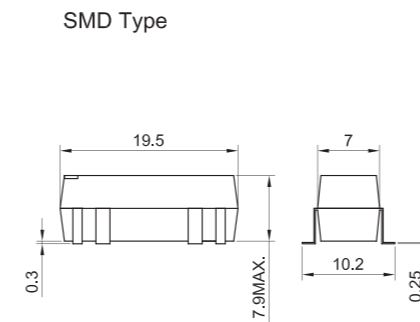
ORDERING INFORMATION



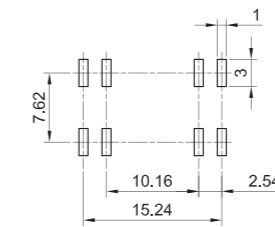
Package	Coil Pin	Contact Pin	1A	1B	1C	2A	Special Code
SIP	4 Pin	3,5	1,7	00	--	--	--
SIP	4 Pin	2,6	1,7	50	--	--	--
DIP/ SMD	8 Pin	2,6	1,7,8,14	00	00	00	
DIP/ SMD	8 Pin	(2&13),6	1,7,8,14	10	10	10	00
DIP	4 Pin	2,6	8,14	20	--	--	--
DIP	8 Pin	6,13	1,7,8,14	30	--	--	--



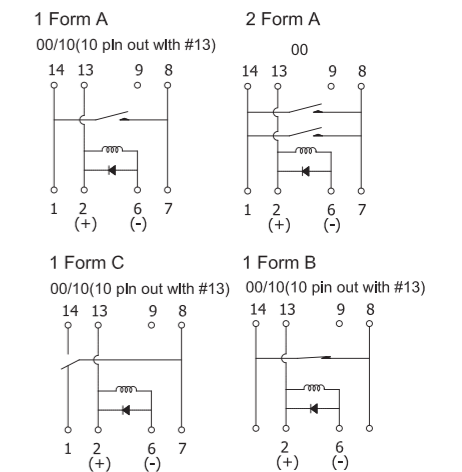
DIMENSION(unit:mm)



DRILLING(unit:mm)



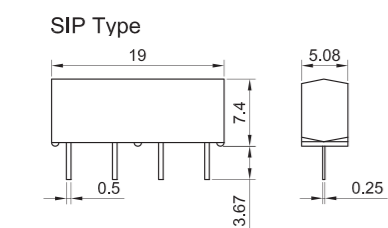
WIRING DIAGRAM



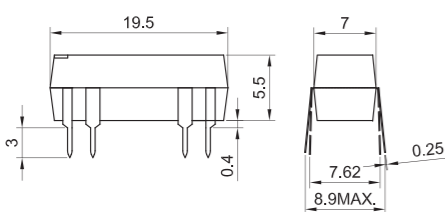
COIL DATA CHART(at 20°C)

Coil Sensitivity	Nominal Voltage (VDC)	Operate Voltage Max. (VDC)	Nominal Current (mA)	Coil Resistance (Ω)±10%	Power Consumption (mW)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)
TRR -1A TRR -1B	5	6	10	500	50	3.75	0.8
	12	14.5	12	1000	144	9.0	1.0
	24	29	11.2	2150	268	18.0	2.0
TRR -1C	5	11	25	200	125	3.75	0.8
	12	20	24	500	288	9.0	1.0
	24	32	11.2	2150	268	18.0	2.0
TRR -2A	5	11	35.7	140	179	3.75	0.8
	12	20	24	500	288	9.0	1.0
	24	32	11.2	2150	268	18.0	2.0

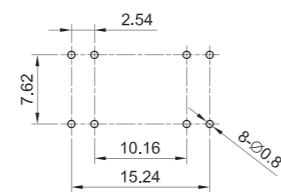
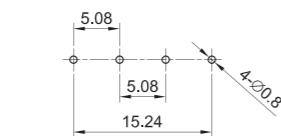
DIMENSION(unit:mm)



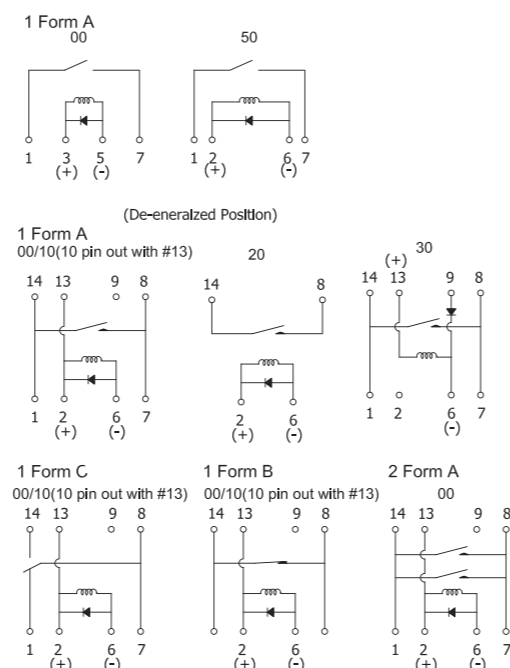
DIP Type



DRILLING(unit:mm)



WIRING DIAGRAM



PERFORMANCE

Contact form	1A / 1B / 2A	1C
Switching Current	0.5ADC Max.	0.2ADC Max.
Carry Current	1.0ADC Max.	0.5ADC Max.
Switching Power	10VA Max.	3VA Max.
Electrical Life	1×10 ⁸ (10VDC 10mA)	5×10 ⁷ (5VDC 1mA)
Contact Resistance	150mΩ Max.	
Operation Time (including bounce time)	1.0msec. Max.	
Release Time (including bounce time)	1.0msec. Max.	
Maximum Voltage	100VDC Max.	
Insulation Resistance	10 ⁹ Ω Min.	
Dielectric Strength	1400VDC, (4000VDC Only for DIP type 20)	
Between coil & contact	250VDC	
Between contacts		
Temperature Range		
Operating Temp.	-40 to +85°C	
Storage Temp.	-55 to +125°C	
Shock Resistance	30G Min.	
Weight	Abt. 1.8g.	
UL & cUL	E156521	

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

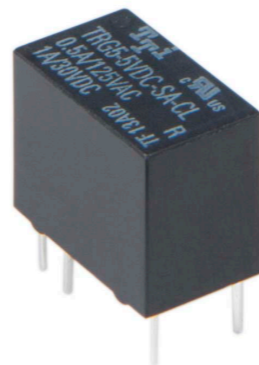
Only for reference, won't notify if any change.



Telecom Relay TRG5

MAIN FEATURES

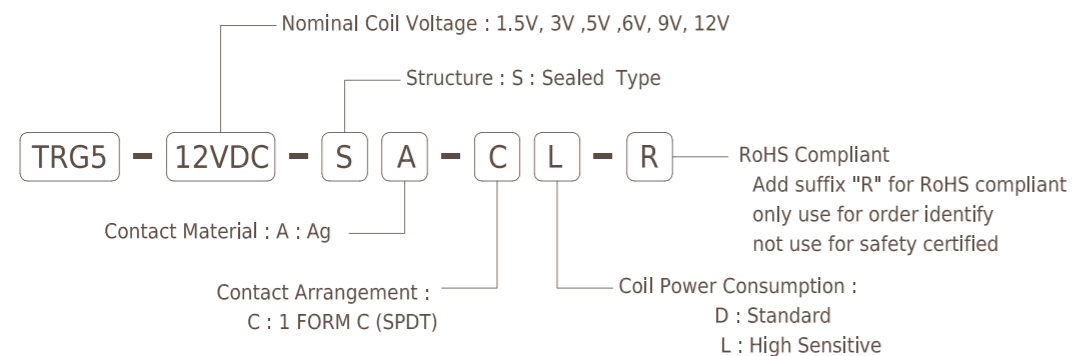
- High Sensitivity : 150 mw.
- 1 Pole Configurations.
- Small Size at 12.5Lx7.5Wx10H mm.
- Sealed Type Available.
- UL and cUL recognized.



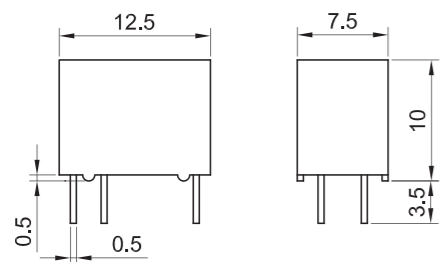
APPLICATIONS

- Telecommunication, Domestic appliances, Office Machines, audio equipment.

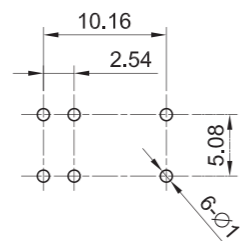
ORDERING INFORMATION



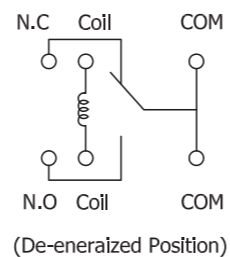
DIMENSION(unit:mm)



DRILLING(unit:mm)



WIRING DIAGRAM



COIL DATA CHART(at 20°C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max-Allowable Voltage (VDC)
TRG5 - L Type (High sensitivity)	1.5	100	15	abt. 0.15W	80% Max.	10% Min.	110%
	3	50.0	60				
	5	29.9	167				
	6	25.0	240				
	9	16.7	540				
TRG5 - D Type (Standard)	1.5	132.7	11.3	abt. 0.2 W	80% Max.	10% Min.	110%
	3	66.7	45				
	5	40.0	125				
	6	33.3	180				
	9	22.2	405				
	12	16.7	720				

CONTACT RATING

Item	TRG5
Contact Capacity Resistive Load ($\cos\phi=1$)	0.5A/125VAC, 1A/30VDC, 0.3A/60VDC
Min Permissible Load	1mA at 5VDC
Rated Carrying Current	1A
Max. Allowable Voltage	125VAC/60VDC
Max. Allowable Current	1A
Max. Allowable Power Force	62.5VA/30W
Contact Material	Silver Alloy

PERFORMANCE(at initial value)

Item	TRG5
Contact Resistance	100m Ω Max.
Operate Time	5msec Max.
Release Time	5msec Max.
Dielectric Strength Between coil & contact Between contacts	1000VAC 50/60Hz (1 minute) 400VAC 50/60Hz (1 minute)
Insulation Resistance	1000M Ω Min. (at 500VDC)
Operating Ambient Temperature	-30°C to +70°C (No water condensation and no water drop)
Operating Humidity	35 to 85% RH
Vibration Endurance Error Operation	10 to 55HZ Single Amplitude 3.3mm 10 to 55HZ Single Amplitude 3.3mm
Shock Resistance	100m/s ²
Life Expectancy Mechanically Electrically	5 $\times 10^6$ OPS 1 $\times 10^5$ OPS
Weight	Abt. 2.2g.
UL & cUL	E156521

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



Telecom Relay TRB1/TRB1S

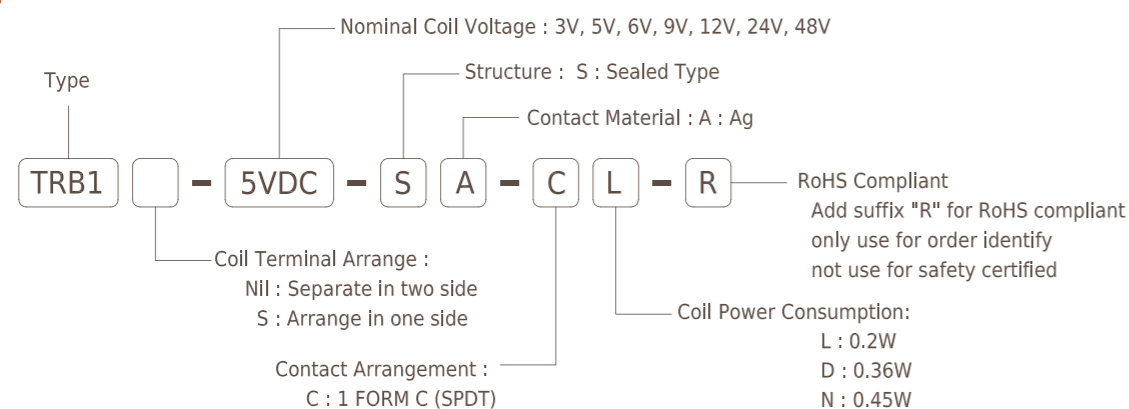
MAIN FEATURES

- Subminiature Type.
- Silver or Silver Alloy Contacts with Gold Plated.
- Low Dissipation.
- Sealed Type Available.
- Design conforms to foreign safety standard UL.
- UL and cUL recognized.

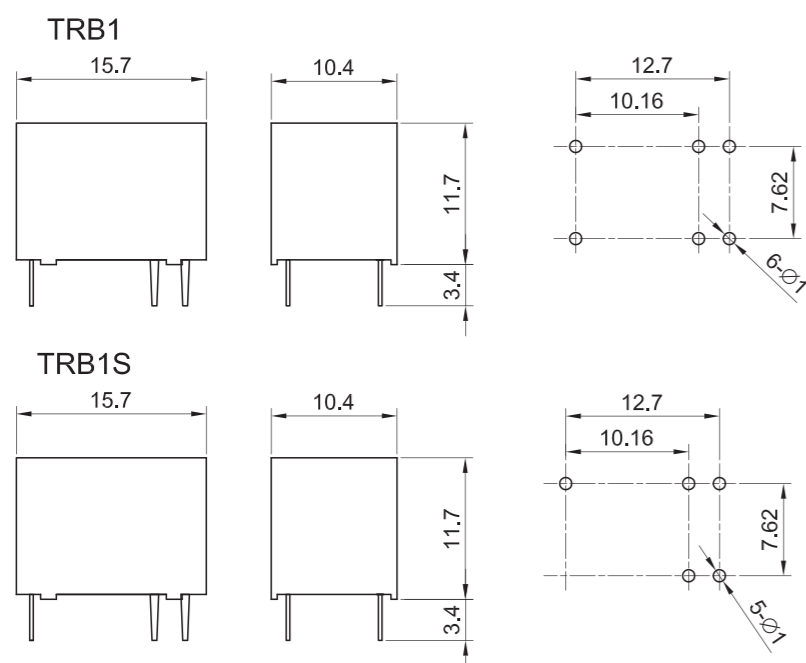
APPLICATIONS

- Microprocessor Control, Store Program Exchanger and Household Appliance.

ORDERING INFORMATION

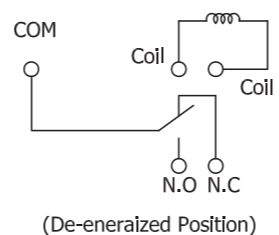
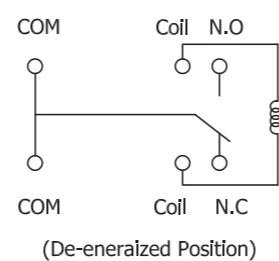


DIMENSION(unit:mm)



DRILLING(unit:mm)

WIRING DIAGRAM



COIL DATA CHART(at 20°C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max-Allowable Voltage (VDC)
TRB1/TRB1S - L Type	3	66.7	45	abt. 0.2 W	75% Max.	10% Min.	110%
	5	40	125				
	6	33.3	180				
	9	22.2	405				
	12	16.7	720				
TRB1/TRB1S - D Type	24	8.3	2880	abt. 0.36W	75% Max.	10% Min.	110%
	3	120	25				
	5	71.4	69				
	6	60	100				
	9	40	225				
	12	30	400				
TRB1/TRB1S - N Type	24	15	1600	abt. 0.45W	75% Max.	10% Min.	110%
	48	7.5	6400				
	3	150	20				
	5	90	56				
	6	75	80				
	9	50	180				
	12	37.5	320				
24	18.7	1280					
48	9	5120					

CONTACT RATING

Item	TRB1/TRB1S
Contact Capacity Resistive Load ($\cos\phi=1$)	3A/120VAC 3A/24VDC
Rated Carrying Current	3 A
Max. Allowable Voltage	240VAC, 60VDC
Max. Allowable Current	3 A
Max. Allowable Power Force	360VA, 90W
Contact Material	Silver Alloy

PERFORMANCE(at initial value)

Item	TRB1/TRB1S
Contact Resistance	100m Ω Max. (at 6VDC 1A)
Operation Time	5msec Max.
Release Time	5msec Max.
Dielectric Strength Between coil & contact Between contacts	1000VAC 50/60Hz (1 minute) 500VAC 50/60Hz (1 minute)
Insulation Resistance	100 M Ω Min. (at 500VDC)
Max. ON/OFF Switching Mechanically Electrically	300 operation/min 30 operation/min
Operating Ambient Temperature	-30°C to +85°C (No water condensation and no water drop)
Operating Humidity	40% to 85% RH
Vibration	10 to 55Hz Single Amplitude 1.5mm
Shock Endurance Error Operation	490m/s ² 98m/s ²
Life Expectancy Mechanically Electrically	1 × 10 ⁷ ops. Min. (no load) 1 × 10 ⁵ ops. Min. (at rated coil voltage)
Weight	Abt. 3.5g.
UL & cUL	E156521

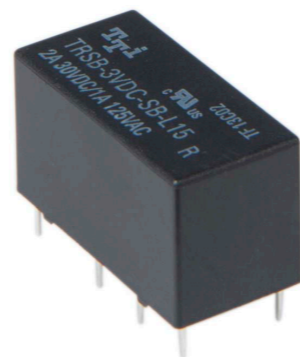
1. Tolerance ± 0.5 mm on all dimensions unless otherwise stated.
2. Tolerance ± 0.1 mm on PCB DRILLING dimension unless otherwise stated.



Telecom Relay TRSB

MAIN FEATURES

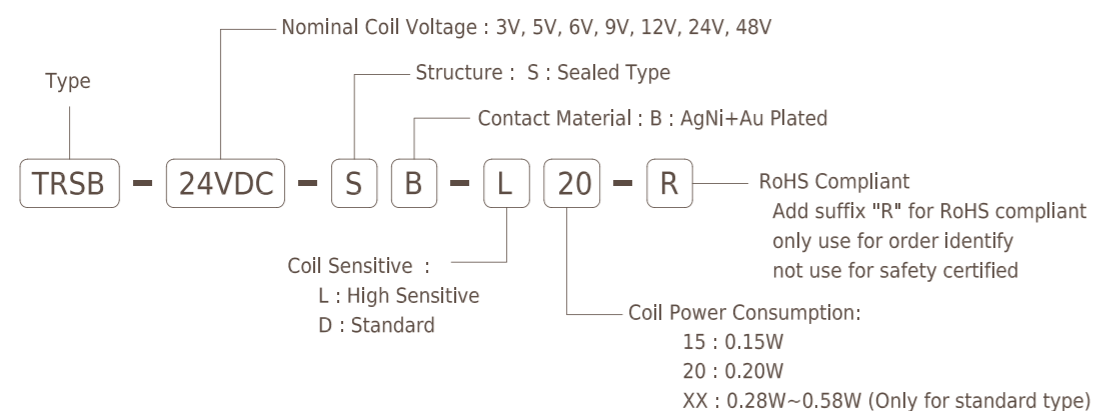
- 2 Form C (DPDT) bifurcated-cross-bar contacts.
- Gold Clad silver contact.
- Dip-2C type matching 16pin IC socket.
- Sealed type available.
- UL and CUL recognized.
- High sensitivity.
- Coil Power Consumption : 0.15 ~ 0.58W



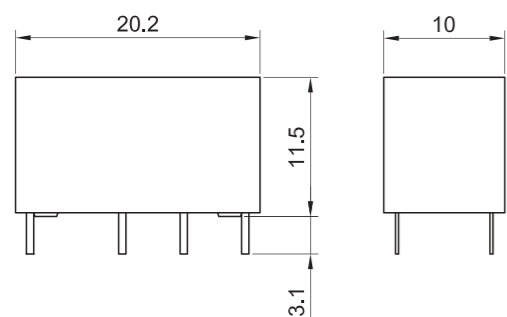
APPLICATIONS

- Telecommunication equipment, domestic appliances, office machines, audio equipment, etc.

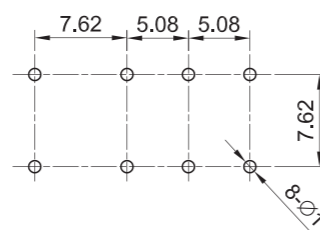
ORDERING INFORMATION



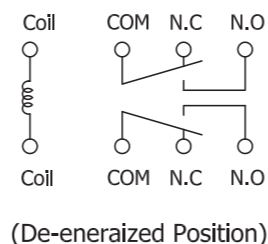
DIMENSION(unit:mm)



DRILLING(unit:mm)



WIRING DIAGRAM



COIL DATA CHART(at 20°C)

Coil Sensitivity	Coil Voltage Code	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ±10%(Ω)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max-Allowable Voltage (VDC)
TRSB -L Type (High sensitivity)	5	5	29.9	167	abt. 0.15W	80% Max.	5% Min.	150%
	6	6	25.0	240				
	9	9	16.7	540				
	12	12	12.5	960				
	3	3	66.7	45	abt. 0.2W	80% Max.	5% Min.	150%
	5	5	40	125				
	6	6	33.3	180				
	9	9	22.2	405				
12	12	16.7	720					
TRSB -D Type (Standard)	24	24	8.3	2880	80% Max.	5% Min.	150%	
	3	3	100	30				
	5	5	55.6	90				
	6	6	46.2	130				
	9	9	32.1	280				
	12	12	26.7	450				
	24	24	15	1600				
48	48	12	4000					

CONTACT RATING

Item	TRSB
Contact Capacity Resistive Load (cosφ=1)	1A/125VAC 2A/30VDC
Rated Carrying Current	2A
Max. Switching Voltage	125VAC, 30VDC
Max. Switching Current	2A
Max. Switching Power Force	125VA, 60W
Referenced Min Applicable Load	100mVDC/0.1mA
Contact Material	Silver Alloy

PERFORMANCE(at initial value)

Item	TRSB
Contact Resistance	100mΩ Max.
Operation Time	8msec Max.
Release Time	5msec Max.
Dielectric Strength	1500VAC
Between coil & contact (1 minute)	750VAC
Between contacts (1 minute)	1500V
Surge Resistiveness	1500V
Insulation Resistance (at 500VDC)	1000 MΩ Min.
Max. ON/OFF Switching	300 operation/min
Mechanically	30 operation/min
Electrically	
Operating Ambient Temperature	-40°C to +85°C
Operating Humidity	98% RH, 40°C
Vibration	10 to 55Hz Double Amplitude 1.5mm
Shock	
Destructive	980m/s ² .
Functional	196m/s ² .
Life Expectancy	
Mechanically	1 × 10 ⁸ ops. Min. (no load)
Electrically	1 × 10 ⁷ ops. Min.
Weight	Abt. 5g.
UL & CUL	E156521

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