

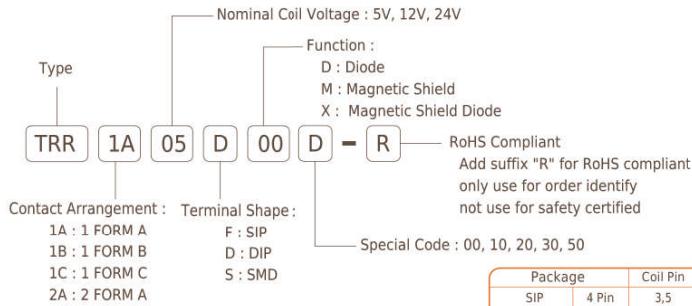
MAIN FEATURES

- 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.

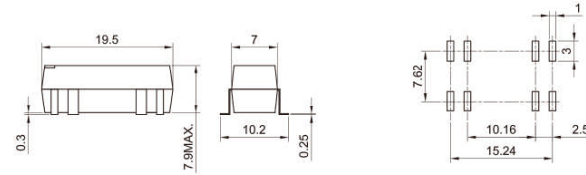
ORDERING INFORMATION



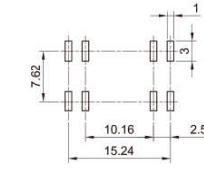
Package	Coil Pin	Contact Pin	1A	1B	1C	2A	Special Code
SIP	4 Pin	3,5	1,7	00	--	--	--
SIP	4 Pin	2,6	1,7	50	--	--	--
DIP/ SMD	8 Pin	2,6	1,7,8,14	00	00	00	--
DIP/ SMD	8 Pin	(2&13),6	1,7,8,14	10	10	10	00
DIP	4 Pin	2,6	8,14	20	--	--	--
DIP	8 Pin	6,13	1,7,8,14	30	--	--	--

DIMENSION(unit:mm)

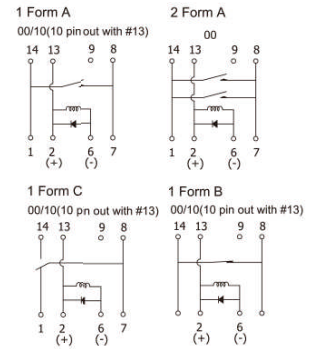
SMD Type



DRILLING(unit:mm)



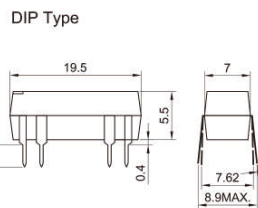
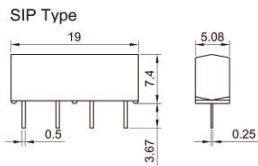
WIRING DIAGRAM



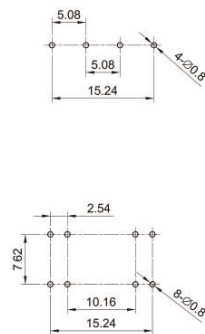
COIL DATA CHART(at 20°C)

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

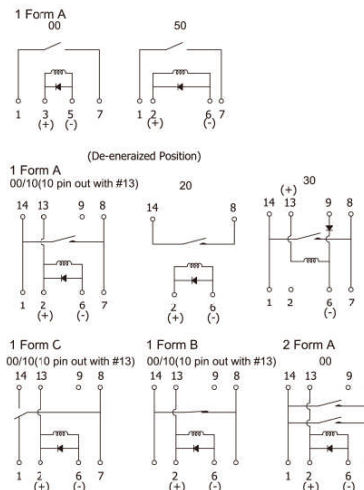
DIMENSION(unit:mm)



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	
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.