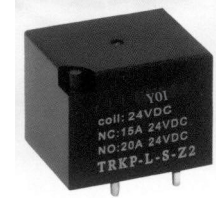


**TRKP**

- 40A continuous rating 85°C
- PC board terminals
- Inrush current 100A
- Open & sealed version available
- Conform to ROHS,ELV directive


**ORDERING CODE**

TRKP	<u>L</u>	—	<u>S</u>	—	<u>Z</u>	<u>1</u>	/	12VDC
1	2	3	4	5	6			
1. Relay Model								
2. Coil Power								
D=1.9W, L=1.6W								
3. S: Sealed								
Nil: open type								
4. Z: Form C								
H: Form A								
5. 1: USA type								
2. EUROPE type								
6. Coil Nominal Voltage								
3, 5, 6, 9, 12, 24 VDC								

**COIL DATA (at 20°C)**

Nominal Voltage (VDC)	3	5	6	9	12	24	1.6W
Coil Resistance ( $\Omega \pm 10\%$ )	6	16	23	50	90	360	
Rated Current (mA)	533	320	267	178	133	67	
Max Operate Voltage (VDC)	1.95	3.25	3.9	5.85	7.8	15.6	
Min Release Voltage (VDC)	0.3	0.5	0.6	0.9	1.2	2.4	
Coil Resistance ( $\Omega \pm 10\%$ )	5	13	19	43	76	300	1.9W
Rated Current (mA)	633	380	317	211	158	79	
Max Operate Voltage (VDC)	1.95	3.25	3.9	5.85	7.8	15.6	
Min Release Voltage (VDC)	0.3	0.5	0.6	0.9	1.2	2.4	
Max Applicable Voltage	70°C 130%, 23°C 170%						

**CONTACT DATA**

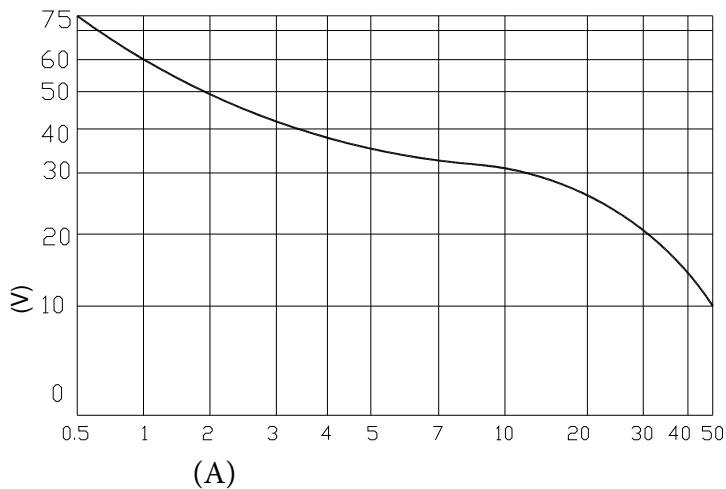
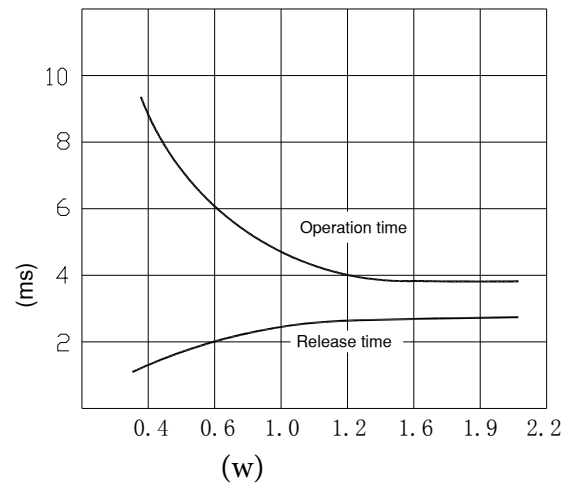
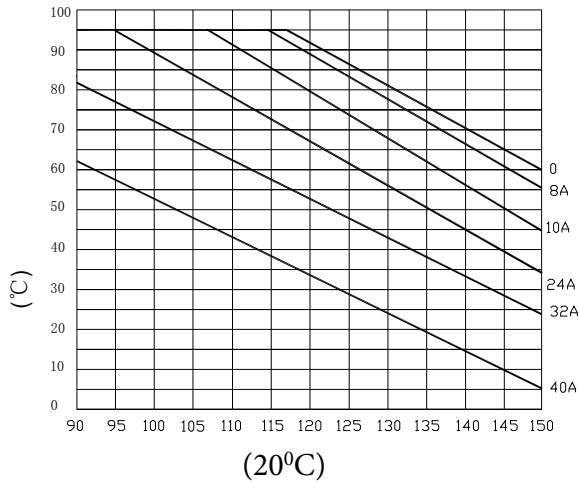
Contact Form	1H/1Z
Contact Material	Silver Alloy
Load	Resistive load(COS $\Phi$ =1)
Contact Ratings	NO: 40A 14VDC NC: 30A 14VDC
Max Switching Voltage	60VDC
Max Switching Current	40A
Max Switching Power	560W
Contact Resistance	100m $\Omega$ Max at 6VDC 1A
Life Expectancy	Electrical : 100,000 Operations(at30Operations/minute)
	Mechanical: 10,000,000 Operations(at300Operations/minute)

**Indian Technological Products Private Limited**

## ■ CHARACTERISTICS DATA

Insulation Resistance	100M $\Omega$ Min at 500VDC
Dielectric Strength Between Open Contacts	500VAC(for one minute)
Between Contacts and coil	500VAC(for one minute)
Operate Time	< 6ms
Release Time	< 4ms
Temperature Range	-40°C to +85°C
Shock Resistance	Operating Extremes: 20G
	Damage Limits: 100G
Vibration Resistance	10-55Hz, 1.5mm
Max. switching frequency	Mechanical: 18,000operations/hr
	Electrical: 1,800operations/hr
Humidity	40-85%
Weight	Approx 21g

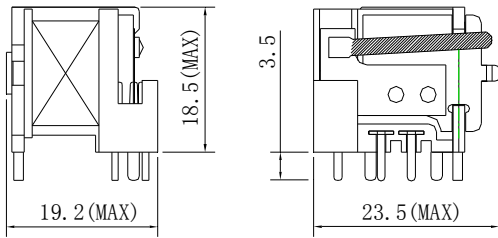
## ■ ENGINEERING DATA



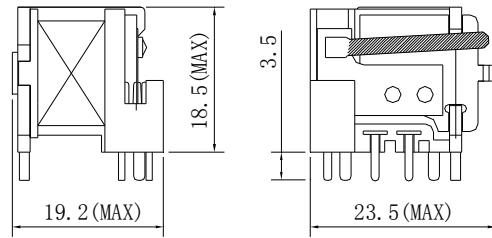
### Indian Technological Products Private Limited

■ OVERALL AND MOUNTING DIMENSIONS

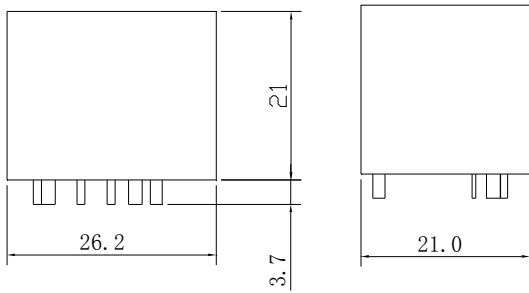
U. S. A open type



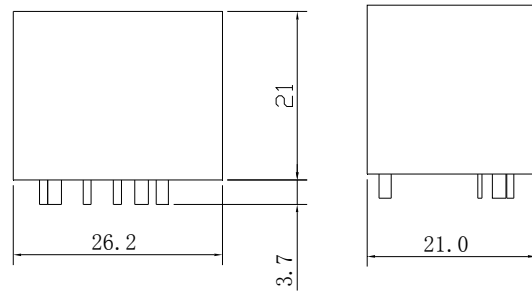
EUROPE open type



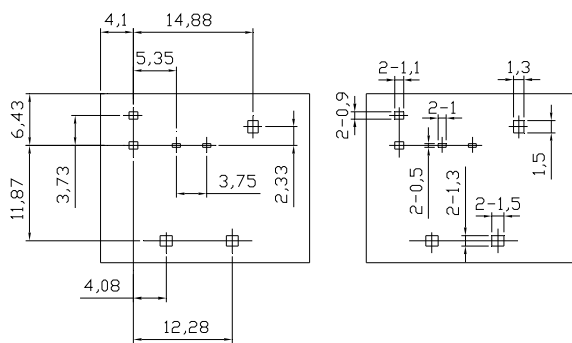
U. S. A sealed type



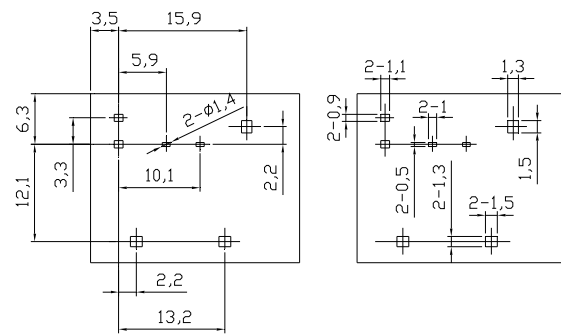
EUROPE sealed type



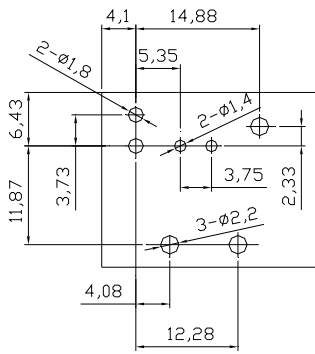
U. S. A



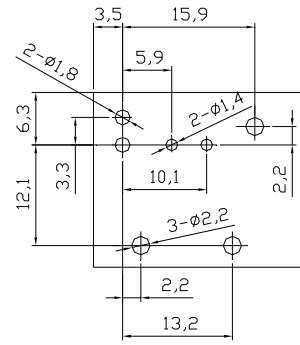
EUROPE



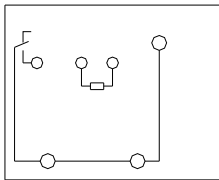
### U. S. A ( PCB layout )



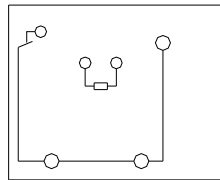
### EUROPE ( PCB layout )



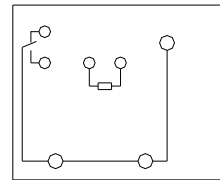
### U. S. A And EUROPE



Form A



Form B



Form C