



■ Features

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

■ Ordering Code

TRKP L — S — Z 1 / 12VDC					
1	2	3	4	5	6
1. Relay Model	2. Coil Power: D=1.9W, L=1.6W			3. S: Sealed, K: Open Type	
4. Contact Form: Z: Form C, H: Form A		5. 1: USA Type, 2: EUROPE Type		6. Coil Nominal Voltage: 3, 5, 6, 9, 12, 24VDC	

■ 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	130% of nominal voltage at 70°C, 170% of nominal voltage at 23°C						

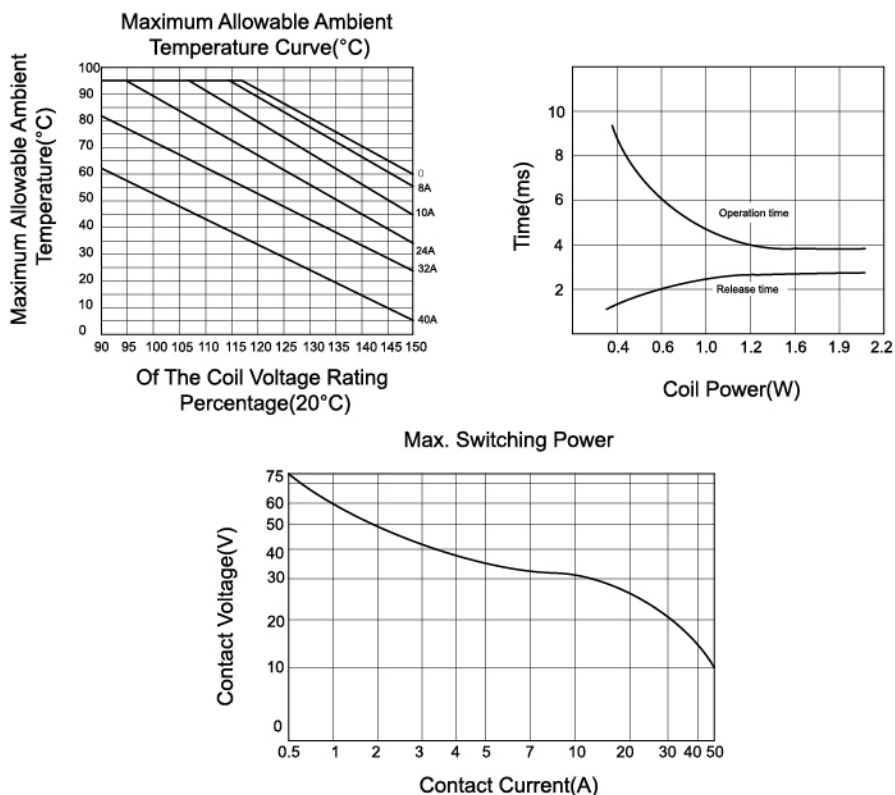
■ Contact Data

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 Ω Max at 6VDC 1A
Life Expectancy	Electrical: 100,000 Operations (at 30 Operations/minute)
	Mechanical: 10,000,000 Operations (at 300 Operations/minute)

■ Characteristics Data

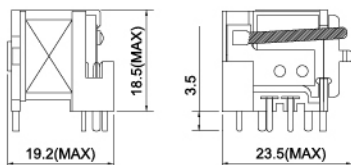
Insulation Resistance	100MΩMin at 500VDC
Dielectric Strength Between Open Contacts	500VAC (for one minute)
Between Contacts and Coil	500VAC (for one minute)
Operate Time	< 5ms
Release Time	< 4ms
Temperature Range	-40°C to +85°C
Shock Resistance	Operating Extremes: 20G Damage Limits: 100G
Vibration Resistance	10-55Hz, 1.5mm
Max. Switching Frequency	Mechanical: 18,000 operations/hr Electrical: 1,800 operations/hr
Humidity	40-85%
Weight	Approx: 21g

■ Engineering Data

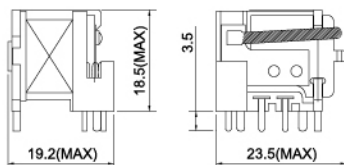


Overall and Mounting Dimensions

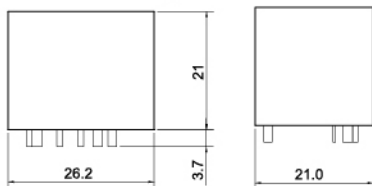
U.S.A Open Type



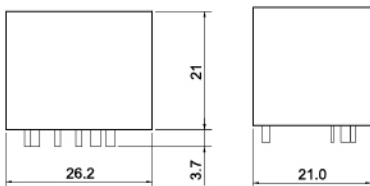
EUROPE Open Type



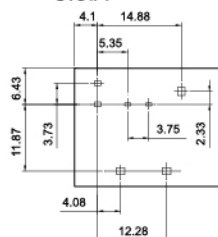
U.S.A Sealed Type



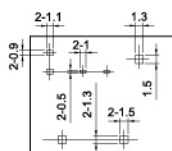
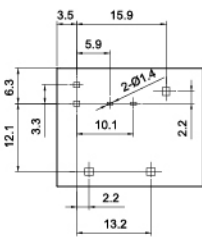
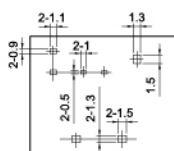
EUROPE Sealed Type



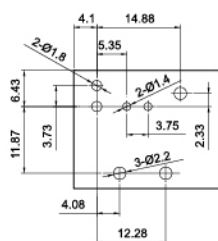
U.S.A



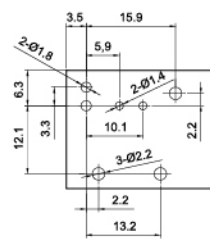
EUROPE



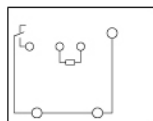
U.S.A (PCB layout)



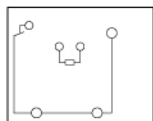
EUROPE (PCB layout)



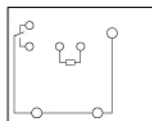
U.S.A And EUROPE



Form A



Form B



Form C

Remark:

- 1). In case the tolerance is not shown in outline dimension, the tolerance should be $\pm 0.2\text{mm}$ for outline dimensions $\leq 1\text{mm}$; $\pm 0.3\text{mm}$ for outline dimension: $1\sim 5\text{mm}$ and $\pm 0.4\text{mm}$ for outline dimension $> 5\text{mm}$.
- 2). The tolerance without indication is always $\pm 0.1\text{mm}$ for the dimension of PCB layout.

Disclaimer:

These specifications are just for customers' reference and subject to change without notice.