

Low Cost 40 Amp Relay



TRKP Series Relay

Features:

- UL Class F insulation system standard
- Meets UL 508 & UL 873 spacing requirements
- PCB Terminals.
- Conform to RoHS Directive.

Contact Parameters:

Initial Contact Resistance:	<100 mΩ
Resistive Contact Rating:	SPST-NO: 40A @ 14 Vdc UL Rated for DC Motor Starting: 20A FLA, 12Vdc, 200A LRA
Contact Arrangement:	1 Form A (SPST-NO)

Dielectric Withstanding Voltage:

Between Contacts:	500 Vrms
Coil and Contacts:	500 Vrms

Insulation Characteristic:

Insulation Resistance:	>100 MΩ
------------------------	---------

Environmental Characteristics:

Temperature Range:	-40°C to 105°C
Relative Humidity:	85% @ 20°C
Shock Resistance:	20g
Vibration Resistance:	10 ~55Hz @ 1.5mm (Double Amplitude)

Life Expectancy:

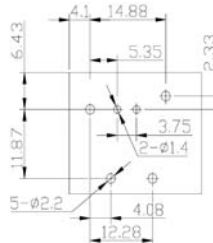
Electrical:	10 ⁵ @ rated load
Mechanical:	10 ⁷ operations

Mechanical Data:

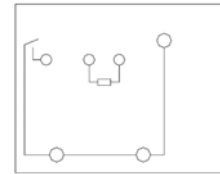
Dimension:	26.5 x 21.5 x 21.5 mm max.
Termination:	PCB Terminals
Weight:	21 grams Approx.

Coil Data @ 20 °C (Coil Power: 1.6 W)

Rated Voltage (Vdc)	Coil Res. (Ω ±10 %)	Pick-up (Vdc)	Drop-out (Vdc)
3	6	1.95	0.3
5	16	3.25	0.5
6	23	3.90	0.6
9	50	5.85	0.9
12	90	7.80	1.2
24	360	15.60	2.4



Terminal Layout (USA Type)



Wiring Diagram (Bottom View)

Ordering Information:

	TRKP -	9	L	-S	-H	I
1. Coil Voltage:	3, 5, 6, 9, 12, 24 Vdc					
2. Coil Power:	L: 1.6 W					
3. Cover Type:	S: Epoxy Sealed Blank: Open					
4. Contact Arrangement:	H: 1 FORM A (SPST-NO)					
5. Foot Print Dimensions:	1: USA Type					