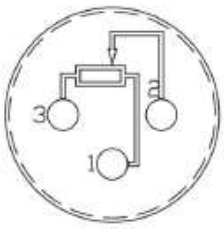
Special features

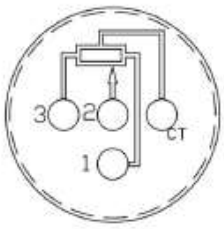
Life: 5× 10^6 cycles
Mechanical travel 360°
Electrical travel 30°, 45°,60°,90°,180°,345°
Center himself optional

RCP22

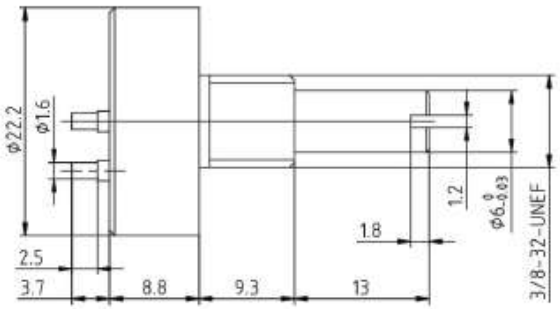
Mechanical Dimensions



RCP22A



RCP22B



Technical Specifications

ELECTRICAL		
Electrical travel	340 ± 3	°
Recommended supply voltage	5	V(Vref)
Max. permissible applied voltage	16	V
Independent linearity	± 1	%
Hysteresis	<1	%
Repeatability	≤0.1	%
Available resistance values	1; 5; 10	kΩ
Resistance tolerance	± 20	%
Insulation resistance	≥10	MΩ
MECHANICAL		
Dimensions		see drawing
Mechanical travel	360	°
Maximum operational speed	120	RPM
Weight	12	g
DURABILITY		
Vibration		16-22 G_{RMS} Random for 20hrs
Shock		50 g;11 ms
Salt fog	50hrs	with 5% Neutral Salt at 35°C
Dust	8hrs	48 km/hr Coarse Dust at80°C
Drop	1m, 3 times	
ENVIRONMENTAL		
Housing class		IP50
Temperature range	-25~+85	°C
Life	>5×10^6	cycles

RCP22 is a contact rotary position sensor that provides a linear output voltage proportional to absolute shaft rotation in either direction from a reference angle.

Special versions with different electrical travels are available.

Specifications subject to change without notice.