



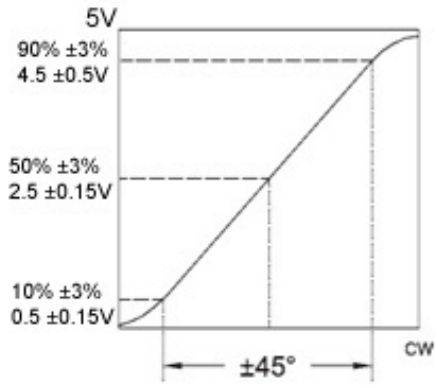
## "Contactless"

- > 50 Million Turns Life
- 22mm Diameter Housing
- 90° Electrical Angle

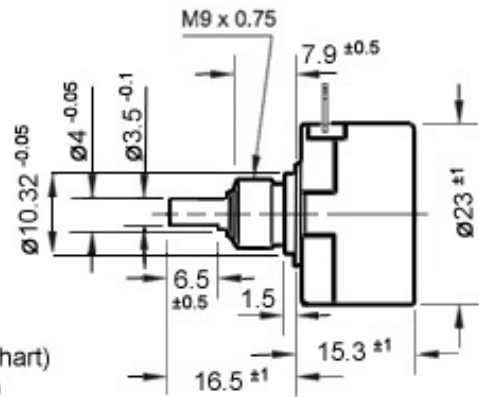
Hall effect sensor features high precision and long life without a sliding wiper. Ideal for high duty cycle applications. Also ideal for applications where sensor stays in one position for extended periods, such as throttle controls.

Electrical Specifications	
Electrical Angle	±45° (90°)
Input Voltage	5 VDC ±10%
Linearity Tolerance	±3.0%
Temperature Drift	±2.5% FS / ±0.5% Center position
Current Consumption	6 mA
Resolution	Infinite
Load Resistance	> 100k ohms
Output vs. Input	10% - 90% FS (0.5V to 4.5V)
Mechanical Specifications	
Mechanical Angle	360° (continuous)
Life Expectancy	> 50,000,000 turns
Max. Rotational Speed	40 rpm
Max. Operating Torque	< 0.2 Ncm (0.5 to 1.5 Ncm IP65 version)
Bearing	sintered - sleeve bearing
Weight	15 grams
Environmental Specifications	
Operating Temperature	-40°C to +105°C
Vibration	10 to 2000 Hz, 10G
Shock	30G, 18 times, 12 hours
Moisture Resistance	40°C 95%RH 120 hours
Protection Grade	IP40 (IP65 optional)
Materials	
Housing	Thermoplast
Shaft	Stainless steel
Bushing	Metal
Terminals	Gold plated

**Dimensions (mm)**



Pin 1: ground  
Pin 2: Output (see chart)  
Pin 3: Input (5 VDC)



**Options**

- *Special shaft machining*

- *IP65 sealed version*

- *Custom cabling*

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