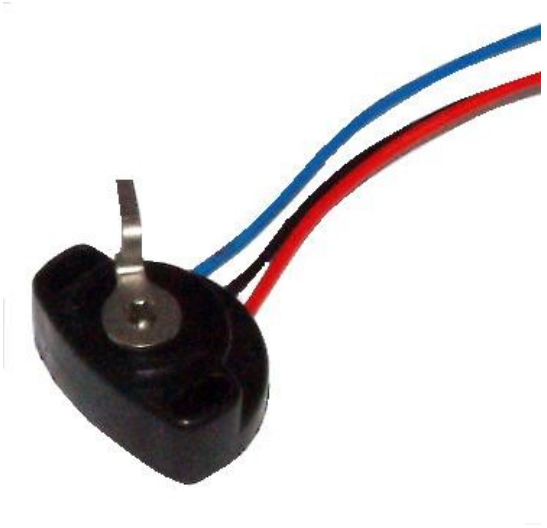
Rotary Position Sensor
RPS Series

Conductive polymer position sensor for demanding applications. A high performance cost effective position sensor, with long endurance life and protection from engine compartment environment. The drive lever, flying leads and connector plug can all be configured to a customers specific requirements.

Features

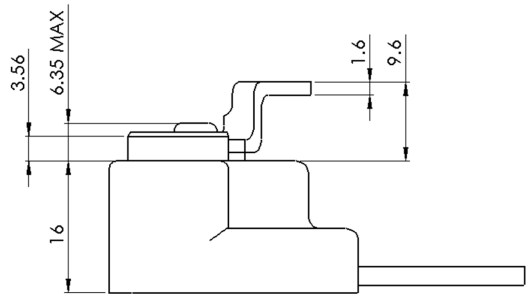
- Level Operation
- Spring return
- Radial mounting slots
- Optional lead configuration
- Glass filled nylon housing

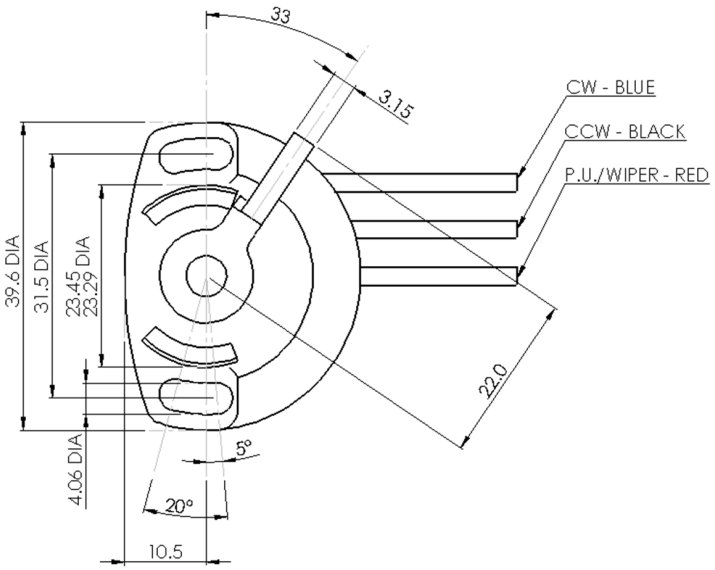


Benefits

- Highly reliable
- Robust
- Simple to use
- Long life
- Easy to install
- Proven Technology
- Easily customized

Schematic





General Note
SST Sensing Ltd reserves the right to make changes in product specifications without notice or liability. All information is subject to SST's own data and is considered accurate at time of going to print.

Applications

- Transport
- Marine
- Agriculture
- Machinery
- Machine Tools
- Automotive
- Welding
- Telehandling
- Electrical Chairs

Electrical Data

Standard resistance	4.15k Ohms
Hysteresis	<0.3%
Angle of effective rotation	90º +/- 3º
Total mechanical rotation	135º max
Wiper protection resistor	25% of value or 1,000 Ohms min
Output signal temperature coefficient	<25ppm/0ºC
Output smoothness	0.5%
Independent linearity	+/- 2%
Operating Temperature	-40ºC to +130ºC
Operational Torque	10mNm (min) /85 mNm (max)
End stop torque	800mNm maximum
Rotational Life	50 Million Cycles

Ordering Guide

Part Number	**Resistance**
RPS-004	4000 Ohms

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