

Single Ear Rotary Position Sensor

TYPICAL APPLICATIONS:

Small engine throttle plate position sensing and other similar applications where available space for an external feedback sensor is limited.

Features/Benefits:

- Compact package with integral Yazaki[®] connector Choice of mounting ear locations Clockwise or counterclockwise rotation
- Highly resistant to fluid intrusion Internal rotor seal Optional external interface seal
- Tang drive, spring return rotor accepts 6mm shaft

TYPICAL SPECIFICATIONS:

ELECTRICAL

Total Resistance: Linearity: Rotation Maximum:

Hysteresis: Slope: Normal Index Voltage: Adjustable Index Range: Torque Requirement: Electrical Limit Maximum: Typical Voltage: Maximum Power Rating:

DURABILITY

Mechanical Cycling: Standard Vibration: Thermal Shock:

Temperature Range C dYfUhjb[..... Grc fU[Y:

9NVIRONMENTAL

Water Resistance: Solvent Exposure:

Dust Exposure:

5.0 k Ω, ± 40% ± 2.0% (point slope linearity) 122° mechanical 105° typical electrical ≤ 1.0% applied voltage 0.8% / degree 6% of applied at mid-adjustment 0 - 20% of applied 5.11 N-cm 16 VDC 5 - 10 VDC 0.8 watts

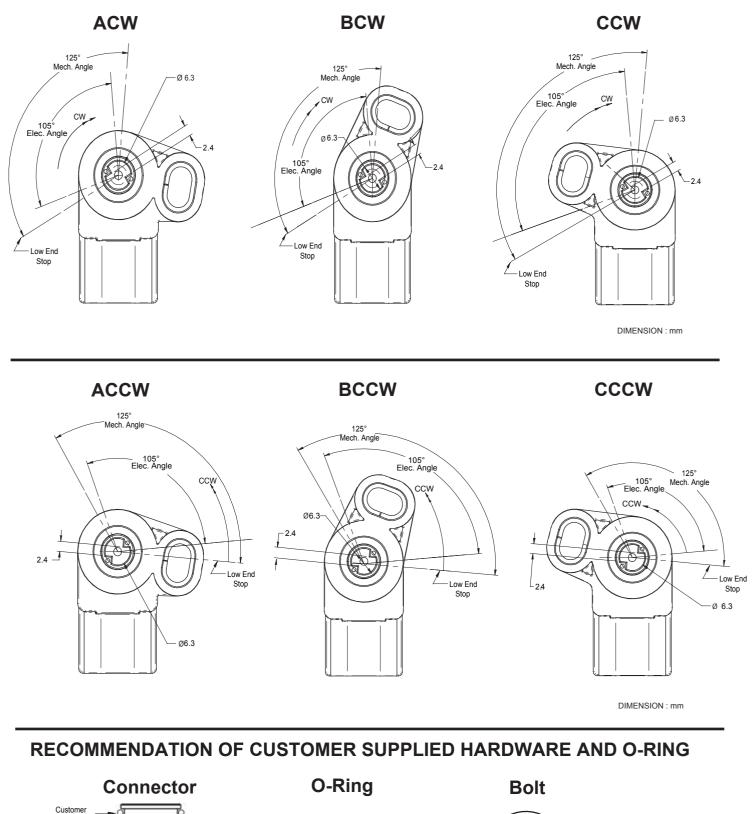
2x10⁶ full strokes @ 1 Hz: 0.5 x 10⁶ half strokes @ 0.5 Hz 24 hrs., 3 planes; random 33 to 2000 Hz; 1.36 - 25g; 0° to 80°C 100 Cycles, -40° to 120°C; transition time less than 1 minute soak at each temperature

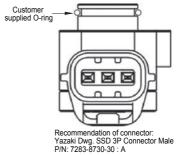
....!'\$,`hc`‱\$,7-(0° to 1&0°C

JIS D0203 Brush on gasoline, engine oil brake fluid, transmission fluid and antifreeze JIS D0207-F2

NOTE: These standard specifications have been met by existing production-tooled units evaluated with precise test equipment and procedures. Test results, including failure criteria, is available upon request. This data sheet does not constitute a warranty that the product will meet the above specifications while used in specific applications or attached to specific test equipment

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Dia.:10.8±0.15 Dia.:1±0.0.07

5mm bolt Nominal length 16mm - Pitch 0.8mm Wave Washer 0.5mm approx. thick. Flat Washer Ø8.9mm min. X 1.0mm thick. Fastening Torque - 4.5Nm MAX.

Ordering Information

