



## Absolute Position Steering Angle Sensor

Sensata Technologies' Absolute Position Steering Angle Sensors are designed to provide a low cost solution for applications that require accurate, non-contacting absolute position information. Using proprietary digital techniques, absolute position can be obtained at incremental encoder prices.

All sensors are based on proven, non-contacting optical technology and feature hysteresis free, high reliability, zero non-linearity sensing. These sensors range from simple incremental up to full multi-turn lock-to-lock steering.

Sensata is an ISO and TS registered company. We provide world-class quality products error-free and on time.

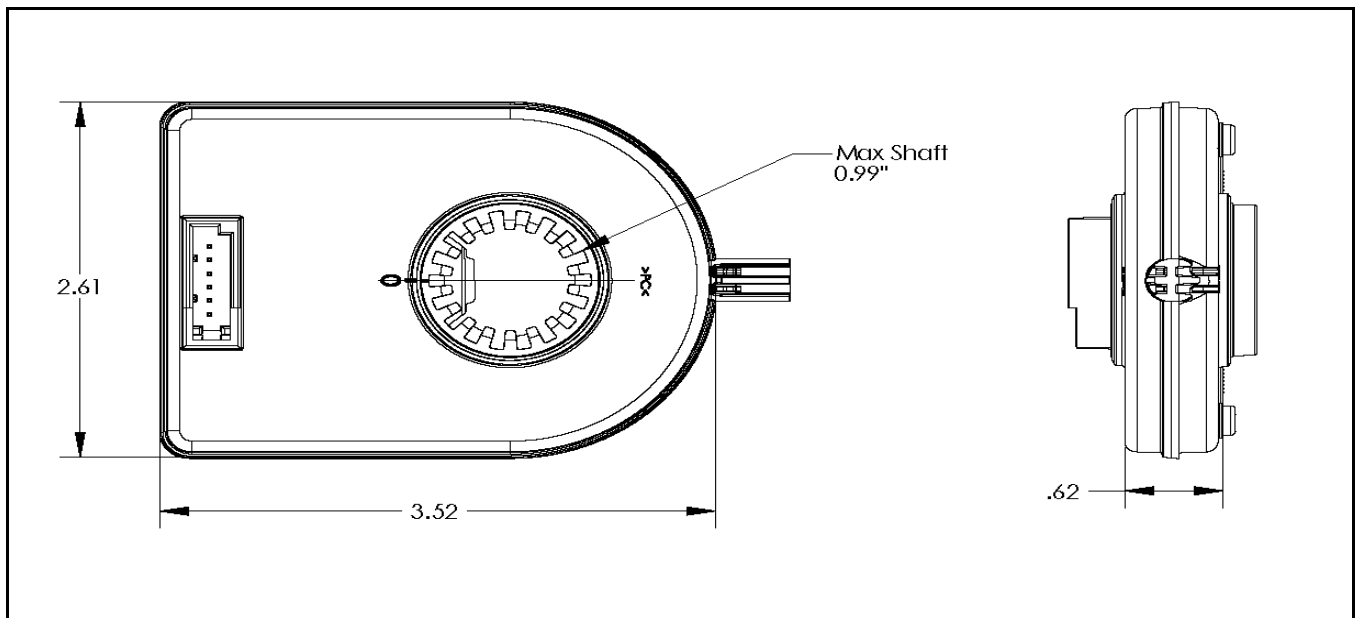
### Features:

- Multiple form factors available
- Basic resolution of 1.0 degree
- Designed for automotive use
- Built-in diagnostics
- Redundant elements available
- No wearing sensing components
- Raw, LIN and CAN outputs

### Benefits:

- Cost effective replacement for contacting type sensors
- Easily integrated into existing systems
- Higher levels of information over incremental sensor
- No "keep alive power" requirements





### General Specifications

Resolution	1°, others available upon request
Accuracy (non-cumulative)	± 2.5° absolute accuracy
Initialization Period	Approximately 5° depending on specified resolution
Output Format	Quad, LIN or CAN
Supply Voltage	8-16 Volts DC, 28V max
Supply Current	<70 mA nominal
Max RPM	2000° per second
Operating Temperature	-40°C to 85°C
Storage Temperature	-40°C to 105°C
Operational Life	>10,000 hours

### Global Sales Offices

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