

Featured Products Bulletin

SENSORS & CONTROLS



Bourns® Sensors & Controls Product Line Releases Non-Contacting Hall Effect Sensor

Riverside, California - September 30, 2011 - Bourns® Sensors & Controls Product Line announces the release of the new Non-contacting Single-turn Hall Effect Sensor [AMS22S Series](#). The Bourns® AMS22S sensor is designed to meet the specifications of heavy-duty applications requiring long cycle life and high reliability. The AMS22S Hall Effect Position Sensor features extremely low mechanical torque with a programmable electrical angle from ten to 360 degrees.

Available in a servo mount configuration with a rotational life of up to 50 million cycles, the Bourns® AMS22S sensor is a highly versatile device. Combining high accuracy and 12 bit resolution along with a factory programmable zero position, the single turn Hall Effect sensor is a cost-effective solution for heavy-duty rotary position sensing applications.

Recommended input voltage for the AMS22S is 5 V $\pm 10\%$. The standard independent linearity is $\pm 0.5\%$, with a tighter linearity available upon request. The minimum recommended load resistance is 10k ohms with an operating temperature range from $-40\text{ }^{\circ}\text{C}$ to $+125\text{ }^{\circ}\text{C}$.

Samples are available upon request.

Features

- Non-contacting magnetic technology
- Highly resistant to vibration/shock
- Highly resistant to fluid/dust ingress
- Programmable at factory for zero position
- Robust design for industrial applications
- Highly repeatable
- RoHS compliant*

Applications

- Patient platform positioning feedback
- Pneumatic control valve position feedback
- Marine throttle position feedback
- Camera positioning
- Geared DC servo motors
- Foot pedal, steering, lift-and-shuttle and suspension system position sensors
- Rudder positioning
- Tilt control and tilt positioning feedback

AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com