



Specification

Digital Speed Sensor With Hall Effect Made of Brass

summary

The sensor is a brass housing containing an integrated thermal balance over the full range of temperatures. The negative compensation slope of the sensor has been optimized to work with low-cost magnets. Negative temperature coefficient matching.

The gap control ensures that the sensor operates extremely stably throughout the power supply range.

Characteristic

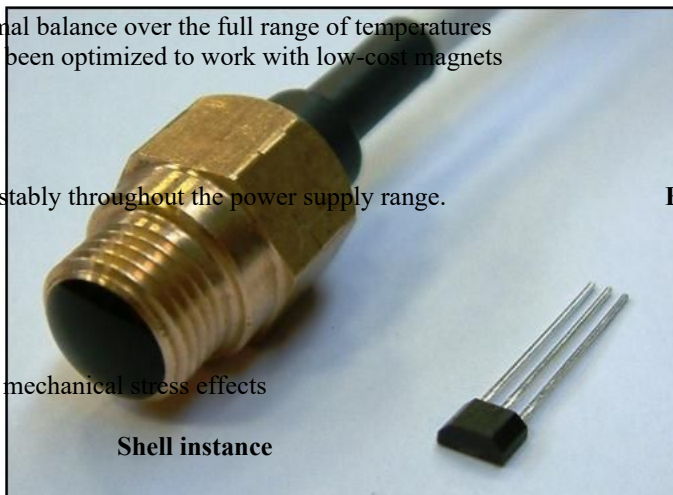
- 3.8~30V_{DC}
- Digital current drop output
- The Quad-Hall design is inherently capable of eliminating mechanical stress effects
- Magnet with temperature compensation characteristics
- High output current capability, absolute maximum 50mA
- Can operate and release symmetric points near zero Gauss
- Operating temperature range of -40 ~ +150°C

pay attention to :

The power supply of the locking device is interrupted and the sensor output changes after power restoration. State. If there is a strong enough magnetic field, the sensor will be controlled by the magnetic field. The state of affairs.

Typical applications

- Measurement of camshaft and crankshaft speed and displacement
- Chain wheel speed measurement
- Chain belt speed and position measurement
- Self-cancelling device detector



Basic sensors

Shell instance

warn

All SST products undergo testing under standard operating conditions during production. Our products are designed for a wide range of applications, though these applications fall outside our control. Therefore, the specifications provided do not constitute legal liability. Customers must conduct testing under their own conditions to ensure the sensors meet their intended application requirements.

pay attention to

Do not exceed the maximum rating.
Please follow all wiring instructions carefully, incorrect wiring will permanently damage the sensor.
Do not use any chemical cleaning agent.

Failure to comply with the above instructions will damage the sensor.

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Product Parameter

service voltage	3.8~30V _{DC}
Power supply current (max. @ 25. C)	10mA
Output type	Absorption, blockade
Output current (max.)*	20mA
Magnetic braking	Double-polar latching
operating temperature range	-40°C~150°C
output voltage	0.4V _{DC}
Step response (rise, 10~90%)	0.05μs typ., 1.5μs max.
Step response (fall, 90~10%)	0.15μs typ., 1.5μs max.
Operating point @ 25. C	5mT (50G) typ.
Release point @ 25. C	-5mT (-50G) typ.
difference	10mT (100G) typ.
leakage current	10μA

* The sensor has a continuous power supply of 20mA, but can be recycled up to 50mA.

warn personal injury Do not use such products as safety or emergency braking devices, or in any application where the failure of the product may cause personal injury. Failure to follow the instructions above may result in death or serious injury.	pay attention to Do not exceed maximum rated value. Reverse operation is not recommended, although the sensor has been reversed. Do not overlock the rotary sensor. Failure to comply with the above instructions will damage the sensor.
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