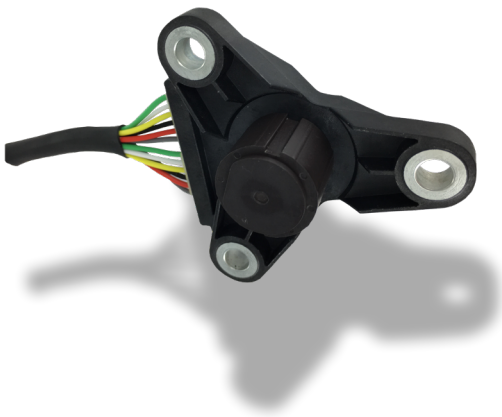


ROTOR POSITION SENSOR



E-MOBILITY

Optimization of electric mobility



TECHNOLOGY MAGNETIC

Application description

The magnetic rotor position sensor meets the control needs of synchronous electric motors used to drive electric and hybrid vehicles.

The sensor accurately measures the angular position of the rotating shaft to optimize control of the motor inverter. It offers significant advantages in terms of integration and safety.

The sensor is a dual output sensor with AMR & GMR technology.

A magnetic chip with associated electric components are encapsulated in a sealed package to make them robust with respect to the motor environment.

The sensor accurately detects the angular position of a magnet fixed to the rotor. Position information is delivered to the motor controller in the form of an analog sin/cos signal.

Technical characteristics

Dual output sensor with AMR & GMR technology

- ASIL D ready
- Generic design for off axis motor
- Easy integration
- Weight and size reduction compared to resolver