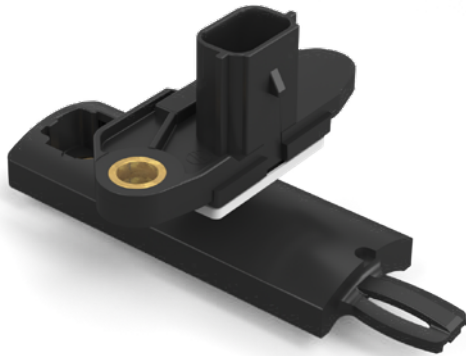


Transmission Position Sensor

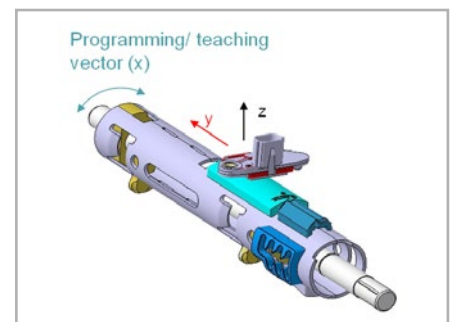


for start stop systems
in manual-transmission
vehicles

Features and Benefits

- emissions reducing start stop functionality
- hall-effect operates contactlessly
- two separate sub-systems: magnet and sensor
- add-on solution to safely detect the neutral position in existing transmissions with minimal OE modification

Applications



Transmission Position Sensor

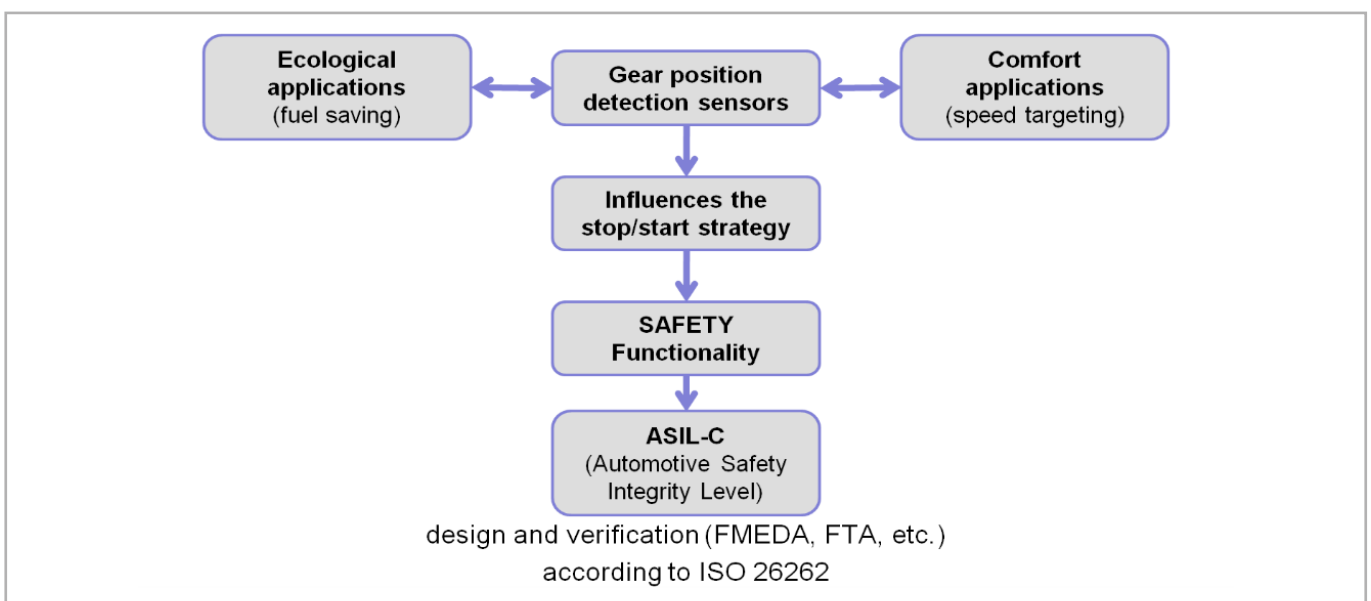
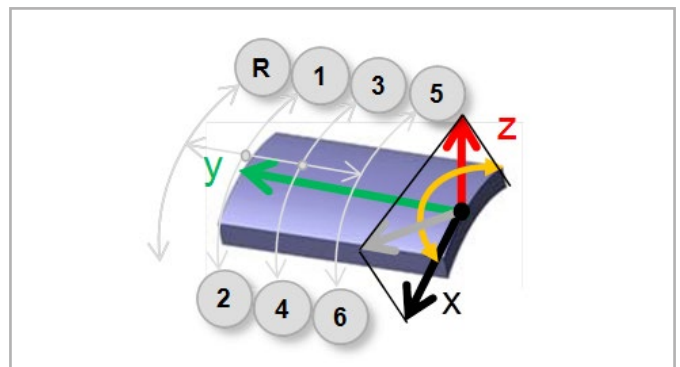
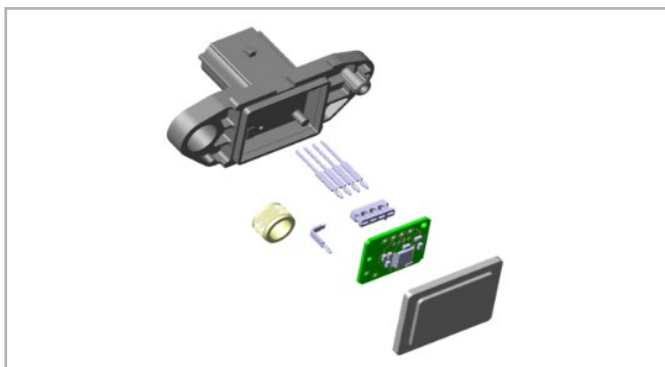
Short Description

The Sensor IC

- 3D-Hall sensor, measures the alignment of the magnetic flux field vectors
- well established analogue Hall front end
- programmable signal conditioning core
- multiple output interfaces
- two fully parallel and isolated circuits offer multiple outputs or redundancy and plausibility

The Magnet

- 3D magnetization for field vector angles (not field strength)
- 3D B-Field across a curved magnet (x-vector) leads to a unique vector for each shift-group (odd or even)
- the magnet long axis (y-vector) covers the range selection (reverse, low, medium and high)



Contact

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