

Angle Position Sensors



709-21995

Magnet carrier for use with Angle Position Sensors

Description

Magnet carrier to use with angle/position sensor suitable for a measuring range up to 360°. It is specially coordinated with the ZF Hall sensors but can also be used for other position sensors. The plastic carrier housing contains a rare earth magnet.

Features

- PA 6 GF30 housing
- Samarium Cobalt 28 magnet
- RoHS compliant

Environmental Specifications

| | |
|-----------------------|---|
| Mechanical Shock | Provided according to DIN EN 60068-2-31:2009 |
| Operation Temperature | -40 °C to 140 °C (-40 °F to 284 °F) |
| Immersion | Tested per ISO 16750-05:2010: Engine oil and additives, Transmission and hydraulic fluid, Brake fluids, Washer solvent, Gasoline, Diesel fuel, Alcohol, Antifreeze fluid, Battery fluid, Cleaning solvent, Protective lacquer, Silicone |

Mechanical Specifications

| | |
|----------------------|-----------------------|
| Recommended Fastener | M3 Cap Screw |
| Recommended Torque | 110 Ncm (9,74 in lbs) |

Products

| Part Number | Description | Sensing Range |
|-------------|--------------------------------------|---------------|
| 709-21995 | Magnet only | N/A |
| ANG | Angle sensor, non- or semi redundant | 0 - 360° |
| AN1 | Angle sensor, non-redundant | 5 - 85° |
| AN8 | Angle sensor, non-redundant | 0 – 360° |
| AN9 | Angle sensor, fully redundant | 0 – 360° |

Dimensions in mm

