

# Angle Position Sensors

## AS500106

Magnet carrier for use with Angle Position Sensors



### Features

- PPS housing
- Samarium Cobalt 28 magnet
- RoHS compliant

### Environmental Specifications

|                       |                                                                                                                                                                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vibration             | 15g sinusoidal, 9.26g RMS axial; 40 Hz – 2 kHz all 3 axes                                                                                                                                                                                           |
| Operation Temperature | -40 °C to 125 °C (-40 °F to 257 °F)                                                                                                                                                                                                                 |
| Storage Temperature   | -40 °C to 150 °C (-40 °F to 302 °F)                                                                                                                                                                                                                 |
| Salt Spray            | SAEJ1455, Section 4.3.3                                                                                                                                                                                                                             |
| Immersion             | Tested per SAE J 1455, Section 4.4.1: Engine oil and additives, Transmission oils, Water, Power steering fluid, Brake fluids, Washer solvent, Gasoline, Diesel fuel, Alcohol, Antifreeze water mixture, Battery acid, Salt water, Kerosene, Ammonia |

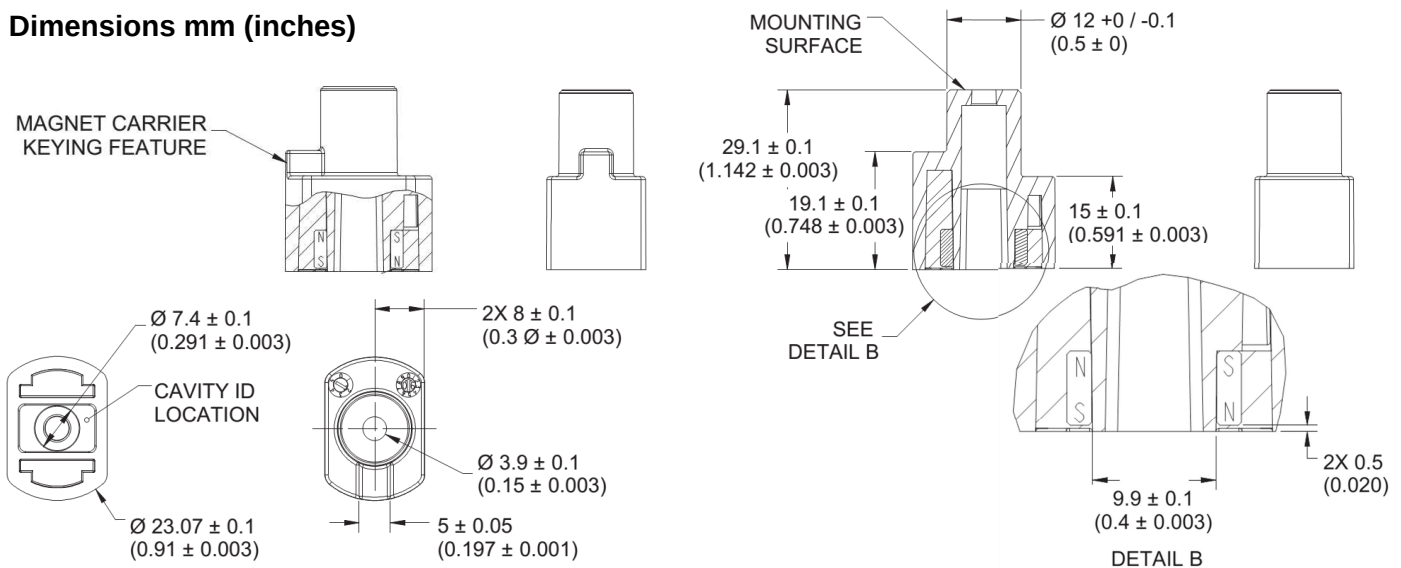
### Mechanical Specifications

|                      |                    |
|----------------------|--------------------|
| Recommended Fastener | M4 Cap Screw       |
| Recommended Torque   | 3 Nm (26.5 in lbs) |

### Products

| Part Number | Description              | Sensing Range |
|-------------|--------------------------|---------------|
| AS500106    | Magnet only              | N/A           |
| CU103601    | Kit with AN820001 sensor | 180°          |
| CU103602    | Kit with AN820002 sensor | 360°          |
| CU103603    | Kit with AN820003 sensor | 45°           |

### Dimensions mm (inches)



[www.switches-sensors.zf.com](http://www.switches-sensors.zf.com) ZF Electronics Systems Pleasant Prairie, LLC ("ZF") acquired the rights to the CHERRY branded switches and sensors in 2008. Although ZF divested its interest in the CHERRY name in 2015, the switches and sensors remain unchanged and are now sold under the ZF brand.

