



## HGS-12-01

### HGS Series Position Sensor

#### Features

- ◆ Auto compensates for gear wheel run out
- ◆ Supplied with 2 fixing nuts for magnetic range adjustment
- ◆ Black PVC sleeving, 6mm bore

#### Comments

- ◆ Typical Air gap to Gear Tooth 1mm
- ◆ High speed operation
- ◆ Suitable for use in harsh environments
- ◆ Long life, X operations
- ◆ Connector options available

#### Applications

- ◆ Speed Sensing Ferrous metal
- ◆ Gear Wheel Sensing
- ◆ Vehicle speedometer
- ◆ Rotary encoder
- ◆ Camshaft sensor

## HGS 12-01

HGS Series | Position Sensor

### Material

**Housing Material** Stainless Steel

**Housing Colour** Stainless Steel

### Mechanical Specifications

**IP** IP65

### Switching

**Supply Voltage (Vs)** 9 to 24 (12 Nominal)

**Output Voltage (High)** (Voh) Supply - 1V

**Output Voltage (Low)** (Voh) <0.5V

**Output Current** 20mA

**Quiescent Current** 5mA

**Maximum Switching Speed** 10kHz

### Cable

**Cable Length** 3 x 0.5M Single insulated

**Connection Type** Stripped Cables

**Cable Type** 20AWG UL1015

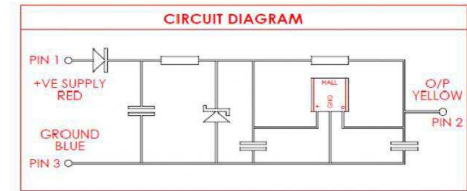
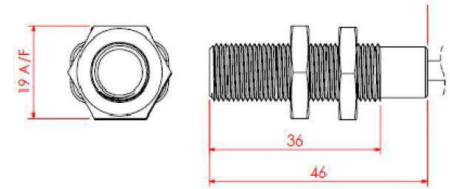
**Cable Colour** Red (+), Blue (ground), Yellow (O/P)

### Mounting

**Fitment** Through Hole

**Mounting** Any Axis

### Technical Drawing



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