



## GS1012 Series

Flange mount gear sensor rated to 150°C.

### Features

- Capable of operating up to 150°C
- Sealed design exceeds IEC60529 IP67 standard for immersion
- Resistant to fuels, solvents, and lubricants associated with engines, transmissions, brakes and chassis systems
- Easily customizable connector orientation
- ESD resistant to 15kV (contact discharge)
- Operates at arbitrarily low speeds
- Mating connector Delphi 12162280

### Applications

- Transmission speed
- Wheel speed
- Engine speed
- Anti-lock braking systems

### Specifications

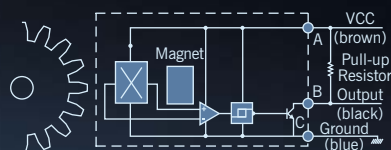
| Part Number | Operating Voltage Range (VDC) | Supply Current (mA max.) | Output | Output Saturation Voltage (mV max.) | Output Current (mA max.) | Operating Temp Range (°C) | Storage Temp Range (°C) | Leads | Connector |
|-------------|-------------------------------|--------------------------|--------|-------------------------------------|--------------------------|---------------------------|-------------------------|-------|-----------|
| GS101205    | 5.0 – 30                      | 6                        | sink   | 600                                 | 25                       | -40 to 150*               | -55 to 150              | _____ | Delphi**  |

Notes: These sensors require the use of an external pull-up resistor, the value of which is dependent on the supply voltage. See page 27 for recommendations. Pull-up resistor should be connected between output and Vcc.

\* For continuous operation at 150°C, supply voltage should be limited to 5.5V max.

\*\* Delphi 12162280

### Open Collector Sinking Block Diagram



### Dimensions inches (mm)

All tolerances  $\pm 0.005$  (0.13) unless otherwise noted.

