



RS53 Sensors

Catalog MSG33-2366/US



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Application

The RS53 rotary sensor belongs to the Parker family of accessories provided to complement electronic control systems. The RS53 is a 0-5V ratiometric output, non-contact, rotary sensor suitable for a variety of applications. The RS53 sensor has a full revolution, continuous rotation working range. The sensor has a short length of wire, terminated with a Deutsch DTM connector. To make the sensor suitable for mobile equipment, we have focused upon properties such as reliability, electromagnetic immunity and ease of installation.

Properties

Reliability

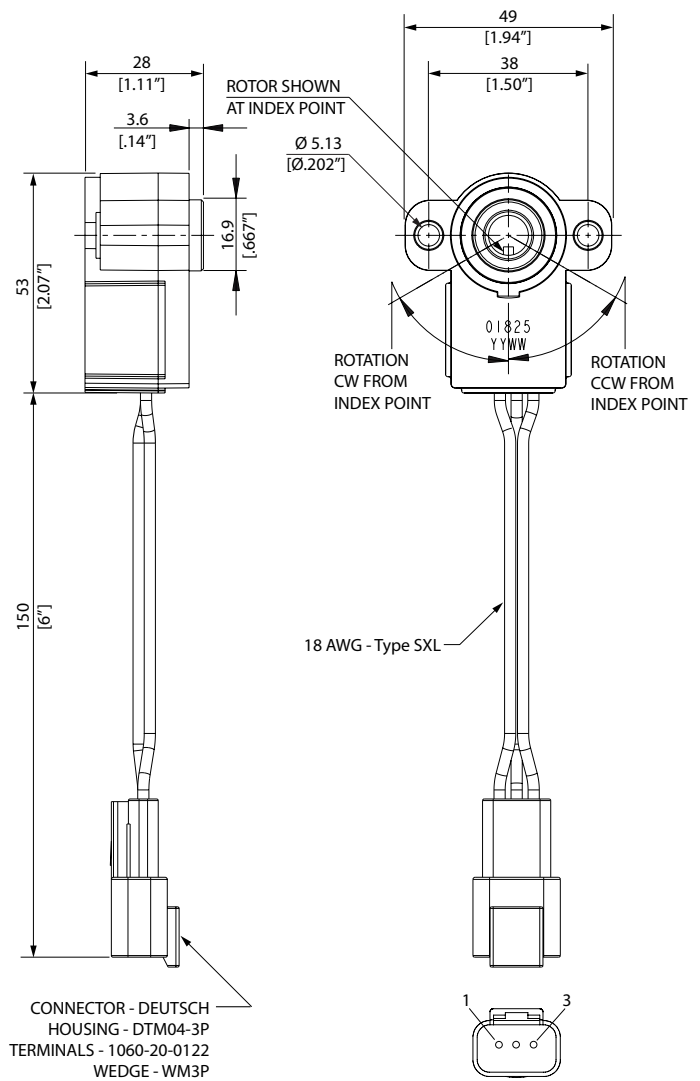
The RS53 has a glass-filled nylon plastic construction for strength and corrosion resistance. The sensor uses non-contact, amplitude independent Hall-effect technology for trouble free operation. The sensor is very robust and able to withstand rugged applications.

Electromagnetic immunity

The design of the RS53 has a high level of EMI protection. The sensor is also over-voltage and reverse polarity protected.

Installation

The RS53 is well designed for the mobile hydraulics industry. The connector is a sealed connector of type Deutsch DTM, designed for automotive use. The sealed connector, combined with potted electronics, give the sensor IP66 protection for exposed outdoor applications. The mounting holes have inserts for strength, which are closely toleranced to hold angular alignment. The housing has a raised boss diameter for center location. These features provide for easy installation and removal, even in field conditions.



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