2030100057 Datasheet

DESCRIPTION

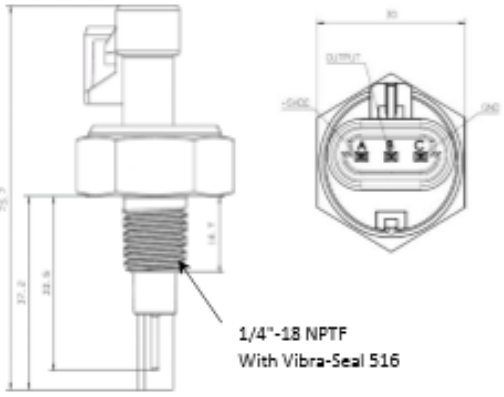
The CASCO AC Fluid Level Sensor is engineered to detect the presence of conductive fluids such as engine coolants. Conventional conductivity-based DC fluid level sensors experience reduced operating life due to probe degradation via electrolysis - the decomposition of a metal by electrochemical processes. Thus, alternating current is applied to the sensor probes to improve reliability. In addition, new brass housing and sealing concepts allow the sensor to be reliable even in the harshest environmental conditions.

TECHNICAL SPECIFICATIONS

Working medium: Water based liquids; Engine coolant
Supply Voltage: 4.75-5.25 VDC
Output Voltage
in coolant: 1.2 ±0.25 VDC
in air: 3.75 ± 0.25 VDC
Supply Current: < 12.5mA
Operating Pressure: < 20 PSI
Output DC resistance to ground: 200kΩ
Ingress Protection (IP) ratings: IP67
Temp. range:-40 °C to +125 °C (-40 ºF to + 257 ºF)
EMC: ISO10605, ISO11452-1 & ISO11452-3
Connector: Metri Pack 150; PBT GF15 black
Weight: 45g

DIMENSIONS

Dimensions in mm



CONNECTION

Typical Interface Schematic