

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: < 12.5 mA

Operating Pressure: < 20 PSI

Output DC resistance to ground: $200k\Omega$

Ingress Protection (IP) ratings: IP67

Temp. range: -40 °C to $+125$ °C (-40 °F to $+ 257$ °F)

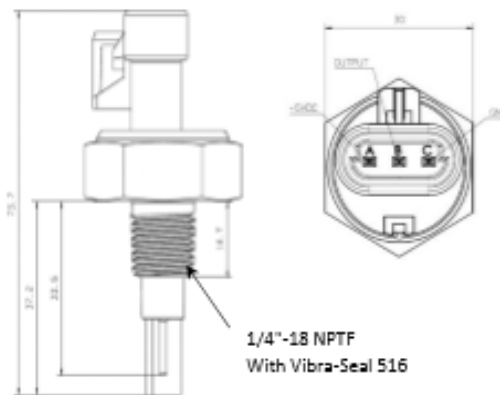
EMC: ISO10605, ISO11452-1 & ISO11452-3

Connector: Metri Pack 150; PBT GF15 black

Weight: 45g

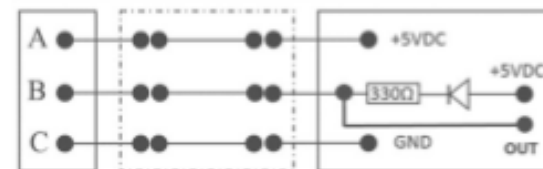
DIMENSIONS

Dimensions in mm



CONNECTION

Typical Interface Schematic



COOLANT
SENSOR

VEHICLE HARNESS
& CONNECTOR(S)

VEHICLE INTERFACE
MODULE