

# S285-V05 Coolant Level Switch



Document ref.: DDS\_S285-V05

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14" NPTE

15" NPTE

36" NPTF

1/2" BSPP

1/2" BSPT

25-Jan-21 Rev. 1

The S285 capacitance type coolant level switch is an active device designed to give an alarm signal if liquid falls below, or rises above, a preset level.

It can be specified with a delay to eliminate false alarms due to turbulence.

Containing a factory programmable microprocessor, the switch offers sink to ground or source voltage output. The switch is designed to operate in both earthed metal and isolated plastic tanks. For high accuracy the S285 is ideally mounted horizontally at the point where an alarm or control signal is required.

Part Description Prod. Group Technology Liquid Output Type Connector Thread

### Performance

Output Alarm Delay Power Up Switch Sense

## Materials

Body Probe Terminals Seals Connector Thread Seal

#### Ratings

Sealing Pressure Drop Vibration Temperature EMC

## Electricals

Supply Voltage Supply Current

## **Harness Information**

Connector Source Output Sink Output +ve supply location Ground S285-V05 1/2" NPTF, PU 1 LIQ, SS 10 FA, SI LIQ, SO AIR Coolant Level Switch Capacitance Water based Coolant Sink & Source Metri-pack 150 - 4 Pins 1/2" NPTF

Sink in Liquid, Source in Air 10 s (Factory Set) in Liquid Level Falling

Brass PTFE Brass, Tin Plated EDPM, FVMQ 30% Glass Filled Nylon Vibra-Seal 516

IP67 5 Bar (max) 1M to concrete 15.3 Grms -40 to +125 C ISO13766:2006

9-36 VDC 7 mA + source output

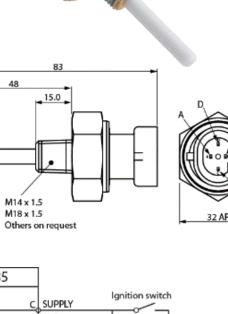
M/P 150-4P

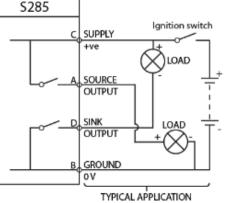
Pin A

Pin D

Pin C

Pin B





NOTE: IF SINK ONLY OUTPUT IS REQUIRED THEN

PIN A IS NOT USED.

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E. & O. E. Rochester Gauges LLC and Fozmula Limited expects that you will conduct the testing and evaluation necessary to determine that these products are suitable for your application. Materials and specifications are subject to change without notice. JP 10-Jan-21 5.10 Rev. 1