

S285-109 **Coolant Level Switch**



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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

S285-109 1/4" NPTF, PU 1 LIQ, SS 0 FA, SI LIQ, SO AIR **Coolant Level Switch** Capacitance Water based Coolant Sink & Source Metri-pack 150 - 4 Pins 1/4" NPTF

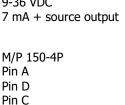
Sink in Liquid, Source in Air 0 s (Factory Set) in Liauid Level Falling

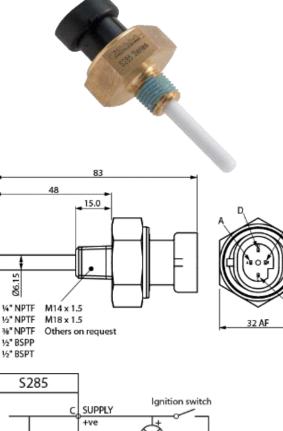
Brass PTFE Brass, Tin Plated EDPM, FVMQ 30% Glass Filled Nylon Vibra-Seal 516

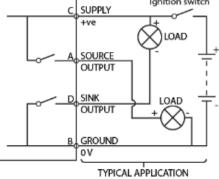
IP67 5 Bar (max) 1M to concrete 15.3 Grms -40 to +125 C ISO13766:2006

9-36 VDC 7 mA + source output

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