

S291-203 Coolant Level Switch

Document ref.: DDS_S291-203

25-Jan-21

Rev. 1

The S291 is an active device designed to give an alarm signal if liquid falls below, or rises above, a preset level. Containing a factory programmable microprocessor, the switch provides a complementary voltage output on two pins.

The switch is designed to operate in both earthed metal and isolated plastic tanks. For high accuracy the S291 is ideally mounted horizontally at the point where an alarm or control signal is required.

Part	S291-203
Description	1/4" NPTF, PU 1 LIQ, S 0 FA, A=0.25 LIQ 4.35 AIR
Prod. Group	Coolant Level Switch
Technology	Capacitance
Liquid	Water based Coolant
Output Type	Voltage
Connector	M/P 150-4P
Thread	1/4" NPTF

Performance	
Output	Voltage
Alarm Delay	0 s (Factory Set)
Power Up	in Liquid (1s delay)
Switch Sense	Level Falling
High Voltage (A)	4.35 in Air
Low Voltage (D)	0.25V in Liq

Materials	
Body	Brass
Probe	PTFE
Terminals	Brass, Tin Plated
Seals	EDPM, FVMQ
Connector	30% Glass Filled Nylon
Thread Seal	Vibra-Seal 516

Ratings	
Sealing	IP67
Pressure	5 Bar (max)
Drop	1M to concrete
Vibration	15.3 Grms
Temperature	-40 to +125 C
EMC	ISO13766:2006

Electricals	
Supply Voltage	5 VDC
Supply Current	5 mA + source output

Harness Information	
Connector	M/P 150-4P
Output location High	Pin A
Output location Low	Pin D
+ve supply location	Pin C
Ground	Pin B

