



DRS-303

- ☐ liquid sensor
- ☐ push-pull output
- ☐ small dimensions
- ☐ additional reference electrode
- ☐ 3 m wire length
- ☐ detection of actual presence of liquid on electrodes
- ☐ case protection class IP 67
- ☐ operation temperatures $-40^{\circ}\text{C} \div +85^{\circ}\text{C}$

Liquid sensor type **DRS-303** is designed for conducted liquid presence detection. Parameters of the detector have been fixed to allow detection of actual presence of liquid on its electrodes and to be resistant for low impedance conducted surfaces (eg. wet fingers). Additional reference electrode prevents detector against false signalling when liquid covers its surface only. PUSH-PULL output gives an opportunity for connection either to devices equipped with direct or inverse logic inputs.

Wide range of supply voltage (12 - 30V DC) and operation temperatures ($-40^{\circ}\text{C} \div +85^{\circ}\text{C}$) allow to use the sensor in most systems (eg. pump dry run detection, full tank detection etc.)

APPLICATION

- pump dry run detection,
- full tank detection etc.,
- liquid level detection.

TECHNICAL DATA

Power supply / Power consumption	12V .. 24V .. 30V DC ca. 5 mA (+ load capacity for output)
Output	PUSH-PULL type
Load capacity for output	50 mA (sink and source)
Signalling delay time	< 100 ms
Operating temperature	$-40^{\circ}\text{C} \div +85^{\circ}\text{C}$
Connection cable	4 wires x 0.35 mm ² , polyurethane
Wire length	3 m
Case	cable gland M20x1,5
Protection class	IP 67 (sensor case)
Mounting	thread mounting, O-ring included (or additional flat ring - gasket, provided on request)
Materials	<u>electrodes</u> : stainless steel, acid-resistant <u>filling</u> : polyurethane resin
Dimensions	28 x 33 mm, thread M20x1,5x9
Weight	50 g

ORDERING

DRS-303-001