

## INTEGRATED CONDUCTIVE LEVEL SWITCH Serie DRS-303

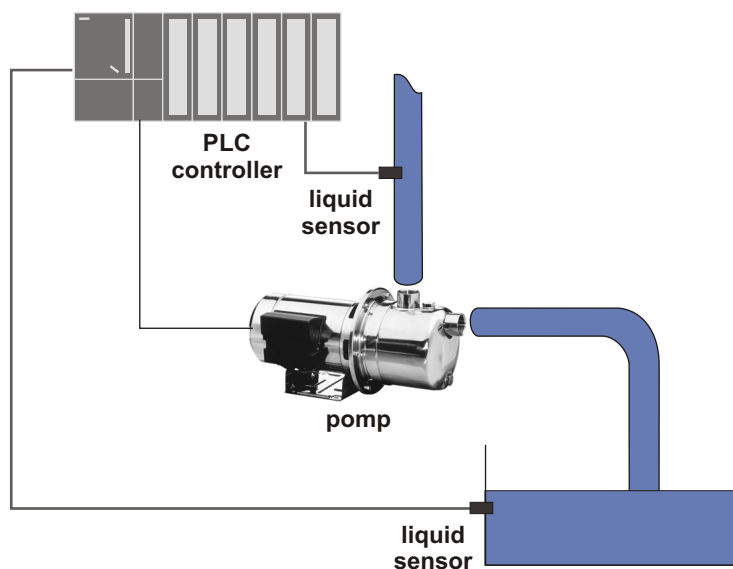
- ▣ liquid sensor
- ▣ push-pull output
- ▣ small dimensions
- ▣ additional reference electrode
- ▣ 3 m wire length



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°C ÷ +85°C) allow to use the sensor in most systems (eg. pump dry run detection, full tank detection etc.)

- detection of actual presence of liquid on electrodes,
- case protection class IP 67,
- operation temperatures -40°C ÷ +85°C.

### Typical applications



### Application

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

### Ordering

**DRS-303-001**

### Technical data

**Power supply:** 12V .. **24V** .. 30V DC  
**Power consumption:** 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°C ÷ 85°C  
**Protection class for sensor case:** IP 67  
**Electrodes material:** stainless steel, acid-resistant  
**Filling material:** polyurethane resin  
**Mounting:** thread mounting, O-ring included (or additional flat ring - gasket, provided on request)  
**Connection cable:** 4 wires x 0.35 mm<sup>2</sup>, polyurethane  
**Wire length:** 3 m  
**Case:** cable gland M20x1,5  
**Case dimensions:** 28 x 33 mm, thread M20x1,5x9  
**Weight:** 50 g