PIC
SWITCHING THE SMART WAY

# PLS-020A-3PPI

World´s smallest magnetic
Level Sensor

## Electrical Characteristics @ 25 °C

| | | |
|---|---|---|
| Contact form | | A |
| Contact rating max. | W / VA | 10 |
| Switching voltage max. | VDC | 180 |
| | VAC | 130 |
| Switching current max. | A | 0.7 |
| Carry current max. | A | 1 |
| Breakdown voltage min. | VDC | 200 |
| Total resistance max. | mΩ | 280 |

## Environmental Characteristics

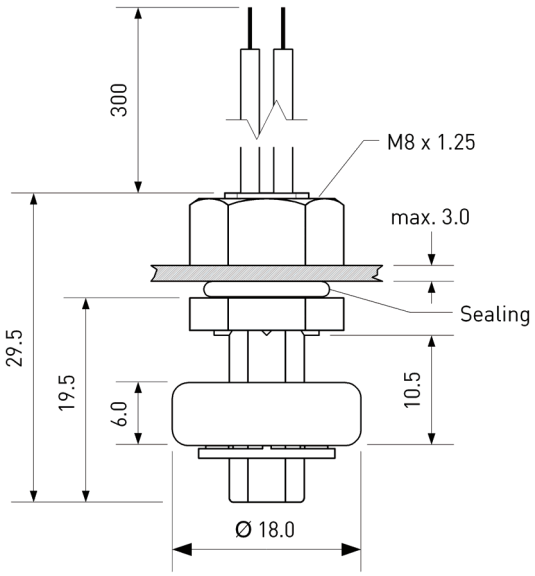
| | | |
|---|---|---|
| Operating temperature | °C | -20 to +80 |
| Storage temperature | °C | -30 to +80 |

## Mechanical Characteristics

| | | |
|---|---|---|
| Density of float typ.* | g / cm³ | 0.7 |
| Recommended minimum gravity of medium | g / cm³ | Density of float + 20% |

* in delivery condition

## Dimensions in mm




## Features

- Polypropylene housing
- Suitable for food contact
- Covers a wide range of applications
- Customized types available

## Approvals

RoHS

REACH

IP 67

cULus

## Ordering Information

| | | |
|---|---|---|
| Packing Unit | 20 | pcs |
| Weight per piece | 5.6 | g |
| Weight per package | 120 | g |

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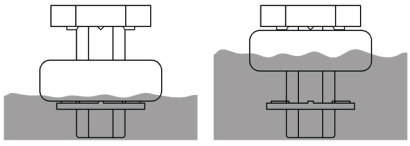
## Material Information

| | Material | Colour |
|---|---|---|
| Housing | PP | white |
| Cable | UL 1007, AWG 24, 4 mm stripped and tinned | white |
| Nuts | PA66, M8, 1 pc preassembled | white |
| Float | PP foam | white |
| Potting | PU / Epoxy | black |
| Sealing ring | Silicone | white |

## Operation View

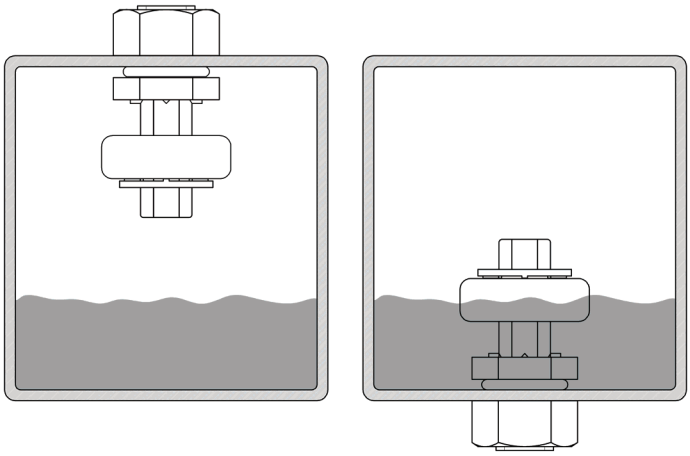



## Remarks

When mounted near ferromagnetic parts switching distance of PLS-020A-3PPI may vary.

Electromagnetical influences and magnetic fields may change the switching behaviour of the Level Sensor.

## Mounting



When mounted stem up,
operating functions are reversed.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