

# Miniature Inductive Proximity Sensor 8 mm Top Sensing - 5 ~ 36 VDC

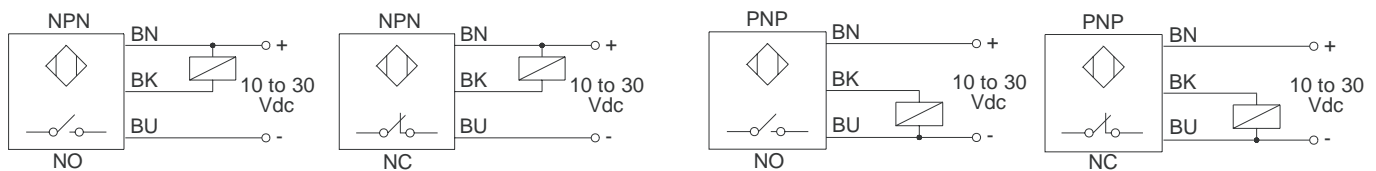
## Specifications

| Type                   |                 |     | Miniature Inductive Proximity Sensor                       |
|------------------------|-----------------|-----|--|
|                        |                 |     | Top Sensing  |
| Model Number           | Normally Open   | NPN | <b>IQP2-881.5N-A3U2T W/R Cable</b>                         |
|                        |                 | PNP | <b>IQP2-881.5P-A3U2T W/R Cable</b>                         |
|                        | Normally Closed | NPN | <b>IQP2-881.5N-B3U2T W/R Cable</b>                         |
|                        |                 | PNP | <b>IQP2-881.5P-B3U2T W/R Cable</b>                         |
| Sensing Range          |                 |     | 1.5 mm   |
| Hysteresis             |                 |     | < 15 % of sensing range                                    |
| Repeatability          |                 |     | < 0.04 mm  |
| Supply Voltage         |                 |     | 5 ~ 36 VDC incl. 10% ripple                                |
| Current Consumption    |                 |     | < 10 mA max.   |
| Max. Switching Freq.   |                 |     | 500 Hz   |
| Control Output         |                 |     | NPN or PNP Open Collector Transistor, 100 mA / 30 VDC Max. |
| Response Time          |                 |     | 0.5 msec.  |
| Output Protection      |                 |     | Short circuit and Reverse polarity protection              |
| Sensitivity Adjustment |                 |     | ----   |
| Indicators             |                 |     | Output LED   |
| Conformity             |                 |     | CE   |
| Ambient Temperature    |                 |     | -25° to +70°C  |
| IP Protection          |                 |     | IP67   |
| Material               |                 |     | Polycarbonate  |



All models feature Robotic cable for applications where the sensor is mounted on a moving apparatus.

## Electrical Connection



## Dimensions (Unit: mm)

### IQP2-881.5(N/P)-(A/B)3L2T

