

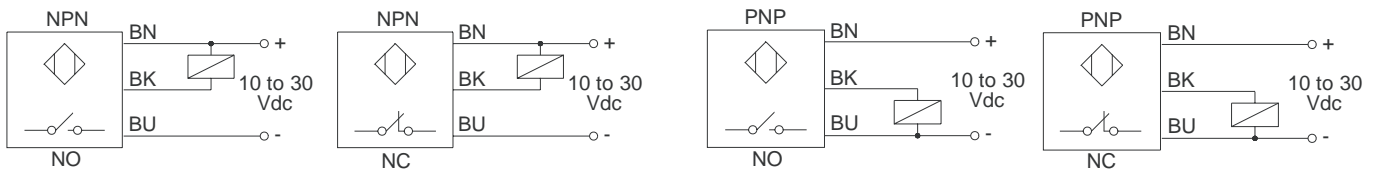
# Miniature Inductive Proximity Sensor 10 & 12 mm Front Sensing

## Specifications

| Type                   |                 |  | Miniature Inductive Proximity Sensor |                         |
|------------------------|-----------------|--|--------------------------------------|-------------------------|
|                        |                 |  | 10 mm Front Sensing                  | 12 mm Front Sensing     |
| Model Number           | Normally Open   | NPN  | <b>MQP2-1002N-A3U2F</b>              | <b>MQP2-1202N-A3U2F</b> |
|                        |                 | PNP  | <b>MQP2-1002P-A3U2F</b>              | <b>MQP2-1202P-A3U2F</b> |
|                        | Normally Closed | NPN  | <b>MQP2-1002N-B3U2F</b>              | <b>MQP2-1202N-B3U2F</b> |
|                        |                 | PNP  | <b>MQP2-1002P-B3U2F</b>              | <b>MQP2-1202P-B3U2F</b> |
| Sensing Range          |                 | 2 mm   |                                      |                         |
| Hysteresis             |                 | < 15 % of sensing range                                    |                                      |                         |
| Repeatability          |                 | < 0.04 mm  |                                      |                         |
| Supply Voltage         |                 | 10 ~ 30 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  |                                      |                         |

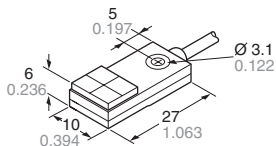


## Electrical Connection



## Dimensions (Unit: mm)

### MQP2-1002(N/P)-(A/B)3U2F



### MQP2-1202(N/P)-(A/B)3U2F

