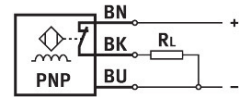
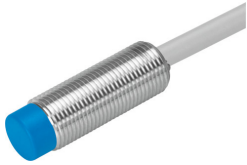


Proximity sensor SIEN-M12NB-PO-K-L

Part number: 150414

FESTO



Data sheet

| Feature | Value |
|--|--|
| Conforms to standard | EN 60947-5-2 |
| Approval | RCM trademark c UL us listed (OL) |
| CE mark (see declaration of conformity) | To EU EMC Directive |
| Rated operating distance | 4 mm |
| Assured operating distance | 3.24 mm |
| Reduction factors | Aluminium = 0.5 Stainless steel St 18/8 = 0.9 Copper = 0.5 Brass = 0.6 Steel St 37 = 1.0 |
| Ambient temperature | -25 °C...70 °C |
| Repetition accuracy with constant conditions | 0.2 mm |
| Switching output | PNP |
| Switching element function | N/C contact |
| Hysteresis | 0.36 mm |
| Max. switching frequency | 2000 Hz |
| Max. output current | 200 mA |
| Voltage drop | 2 V |
| Inductive protective circuit | Integrated |
| Short circuit current rating | Pulsed |
| Operational voltage range DC | 10 V...30 V |
| Residual ripple | ± 10% |
| No-load supply current | 10 mA |
| Reverse polarity protection | For all electrical connections |
| Electrical connection | Cable |
| Cable length | 2.5 m |
| Material cable sheath | TPE-U(PUR) |
| Size | M12x1 |
| Type of mounting | Via lock nut |
| Mounting type | Not flush |
| Product weight | 90 g |

| Feature | Value |
|---|--------------------------------|
| Material housing | Brass PBTP Nickel-plated |
| Switching status indication | Yellow LED |
| Ambient temperature with moving cable | -5 °C...70 °C |
| Degree of protection | IP65 IP67 |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Additional information for sensor selection | with standard sensing distance |
| Electrical output | PNP |
| Selection of sensor design | Standard |