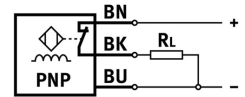
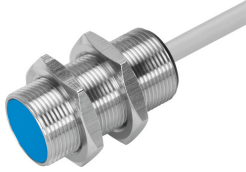


# Proximity sensor SIEN-M18B-PO-K-L

Part number: 150422

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature                                    | Value   |
|--|---|
| Conforms to standard                       | EN 60947-5-2  |
| Symbol                                     | 00991613  |
| Certification                              | RCM compliance mark<br>c UL us - Listed (OL)  |
| CE marking (see declaration of conformity) | As per EU EMC directive   |
| Note on materials                          | RoHS-compliant  |
| Rated operating distance                   | 5 mm  |
| Assured operating distance                 | 4.05 mm   |
| Reduction factors                          | Aluminum = 0.4<br>Stainless steel St 18/8 = 0.8<br>Copper = 0.4<br>Brass = 0.5<br>Steel St 37 = 1.0 |
| Ambient temperature                        | -25 °C ... 70 °C  |
| Repetition accuracy                        | 0.25 mm   |
| Switching output                           | PNP   |
| Switching element function                 | N/C contact   |
| Hysteresis                                 | ≤0.55 mm  |
| Max. switching frequency                   | 2000 Hz   |
| Max. output current                        | 200 mA  |
| Voltage drop                               | 2 V   |
| Short-circuit protection                   | Pulsed  |
| DC operating voltage range                 | 10 V ... 30 V   |
| Residual ripple                            | +/- 20 %  |
| Idle current                               | ≤10 mA  |
| Reverse polarity protection                | for all electrical connections  |
| Electrical connection                      | 3-wire<br>Cable   |
| Cable length                               | 2.5 m   |
| Material of cable sheath                   | TPE-U(PUR)  |
| Size                                       | M18x1   |
| Type of mounting                           | With lock nut   |
| Tightening torque                          | 20 Nm   |
| Mounting type                              | Flush   |
| Product weight                             | 108 g   |
| Housing material                           | Brass<br>PBTP<br>Nickel-plated  |

| <b>Feature</b>                                       | <b>Value</b>                     |
|--|----------------------------------|
| Switching status indication                          | LED yellow                       |
| Ambient temperature with flexible cable installation | -5 °C ... 70 °C                  |
| Degree of protection                                 | IP67                             |
| LABS (PWIS) conformity                               | VDMA24364-B2-L                   |
| Contamination level                                  | 3                                |
| Selection of additional sensor information           | With standard switching distance |
| Electrical output                                    | PNP                              |
| Selection of sensor version                          | Standard                         |