

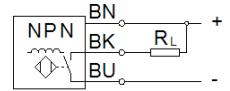
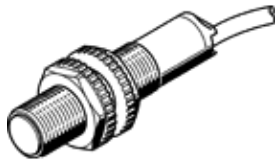
# Proximity Sensor SIEN-M12B-NS-K-L-PA

Part number: 538324  
Product to be discontinued

FESTO

With cable, flush mounting

Type to be discontinued. Available until 2024. See Support Portal for alternative products.



## Data sheet

| Feature  | Value   |
|--|---|
| Design   | Round   |
| Conforms to standard                                 | EN 60947-5-2  |
| Authorization  | RCM Mark<br>c UL us - Listed (OL)   |
| CE symbol (see declaration of conformity)            | according to EU-EMV guideline   |
| Measuring principle                                  | Inductive   |
| Nominal switching distance                           | 2 mm  |
| Guaranteed switching distance                        | 1.62 mm   |
| Reduction factors                                    | Aluminum = 0.35 to 0.5<br>Stainless steel, St 18/8 = 0.6 to 1.0<br>Copper = 0.25 to 0.45<br>Brass = 0.35 to 0.5<br>Steel, St 37 = 1.0 |
| Ambient temperature                                  | -25 ... 70 °C   |
| Repetition accuracy                                  | 0.04 mm   |
| Switch output  | NPN   |
| Switching element function                           | Normally open contact   |
| Hysteresis   | 0.06 ... 0.3 mm   |
| Max. switching frequency, DC                         | 2,000 Hz  |
| Max. output current                                  | 200 mA  |
| Voltage drop   | ≤ 1.8 V   |
| Short circuit strength                               | Pulsing   |
| Operating voltage range DC                           | 10 ... 30 V   |
| Residual ripple                                      | 10 %  |
| Idle current   | ≤ 15 mA   |
| Polarity protected                                   | for all electrical connections  |
| Electrical connection                                | 3-core<br>Cable   |
| Cable length   | 2.5 m   |
| Material cable sheath                                | PVC   |
| Material insulation                                  | PVC   |
| Size   | M12   |
| Mounting type  | with lock nut   |
| Tightening torque                                    | 1 Nm  |
| Type of installation                                 | flush   |
| Product weight                                       | 113 g   |
| Material housing                                     | PA-reinforced   |
| Operating status display                             | Yellow LED  |
| Ambient temperature with flexible cable installation | 0 ... 70 °C   |
| Protection class                                     | IP65<br>IP67  |
| Corrosion resistance classification CRC              | 4 - Very high corrosion stress  |