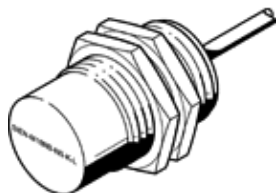


# proximity sensor SIEN-M18NB-NS-K-L-PA

Part number: 538332

FESTO

With cable, non-flush mounting



## Data sheet

| Feature  | Value  |
|--|--|
| Design   | Round  |
| Conforms to standard                                 | EN 60947-5-2   |
| Authorisation  | RCM Mark<br>c UL us - Listed (OL)  |
| CE mark (see declaration of conformity)              | to EU directive for EMC  |
| Materials note                                       | Free of copper and PTFE  |
| Measuring principle                                  | Inductive  |
| Nominal switching distance                           | 8 mm   |
| Guaranteed switching distance                        | 6.48 mm  |
| Reduction factors                                    | Aluminium = 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                                  | 0.16 mm  |
| Switch output  | NPN  |
| Switching element function                           | Normally open contact  |
| Hysteresis   | 0.24 ... 1.2 mm  |
| Max. switching frequency, DC                         | 1,000 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   | M18  |
| Mounting type  | with lock nut  |
| Tightening torque                                    | 2 Nm   |
| Type of installation                                 | not flush  |
| Product weight                                       | 127 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   |