

# Proximity Sensor SIEN-M30NB-NO-S-L

Part number: 150445

FESTO

Inductive, with standard switching distance.



## Data sheet

| Feature  | Value   |
|--|---|
| 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   |
| Materials note                                       | Conforms to RoHS  |
| Nominal switching distance                           | 15 mm   |
| Guaranteed switching distance                        | 12.15 mm  |
| Reduction factors                                    | Aluminum = 0.5<br>Stainless steel St 18/8 = 0.85<br>Copper = 0.43<br>Brass = 0.53<br>Steel, St 37 = 1.0 |
| Ambient temperature                                  | -25 ... 70 °C   |
| Repetition accuracy                                  | 0.75 mm   |
| Switch output  | NPN   |
| Switching element function                           | Normally closed contact   |
| Hysteresis   | ≤ 1.65 mm   |
| Max. switching frequency                             | 700 Hz  |
| Max. output current                                  | 200 mA  |
| Voltage drop   | ≤ 2 V   |
| Short circuit strength                               | Pulsing   |
| Operating voltage range DC                           | 14 ... 30 V   |
| Residual ripple                                      | +/- 20 %  |
| Idle current   | ≤ 10 mA   |
| Polarity protected                                   | for all electrical connections  |
| Electrical connection                                | 3-pin<br>M12x1<br>Plug  |
| Size   | M30x1,5   |
| Mounting type  | with lock nut   |
| Tightening torque                                    | 40 Nm   |
| Type of installation                                 | not flush   |
| Product weight                                       | 100 g   |
| Material housing                                     | Brass<br>PA<br>PBTP<br>Chromed-plated   |
| Operating status display                             | Yellow LED  |
| Ambient temperature with flexible cable installation | -5 ... 70 °C  |
| Protection class                                     | IP67  |
| Surge strength                                       | 0.8 kV  |
| PWIS conformity                                      | VDMA24364-B2-L  |
| Degree of contamination                              | 3   |