

# Proximity sensor SIEN-M30NB-NO-K-L

Part number: 150444

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature  | Value   |
|--|---|
| Conforms to standard                                 | EN 60947-5-2  |
| Symbol   | 00991643  |
| Approval   | RCM<br>c UL us - Listed (Oil)   |
| CE mark (see declaration of conformity)              | To EU EMC Directive<br>In accordance with EU RoHS Directive   |
| UKCA marking (see declaration of conformity)         | according to UK RoHS instructions (UK-R)  |
| Note on materials                                    | RoHS compliant  |
| Rated operating distance                             | 15 mm   |
| Assured operating distance                           | 12.15 mm  |
| Reduction factors                                    | Aluminium = 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 °C ... 70 °C  |
| Repetition accuracy                                  | 0.75 mm   |
| Switching output                                     | NPN   |
| Switching element function                           | N/C contact   |
| Hysteresis   | ≤1.65 mm  |
| Max. switching frequency                             | 700 Hz  |
| Max. output current                                  | 200 mA  |
| Voltage drop   | ≤2 V  |
| Short circuit current rating                         | Pulsed  |
| Operational voltage range DC                         | 13 V ... 30 V   |
| Residual ripple                                      | +/-20%  |
| No-load supply current                               | ≤10 mA  |
| Reverse polarity protection                          | For all electrical connections  |
| Electrical connection 1, connection type             | Cable   |
| Electrical connection 1, connector system            | Open end  |
| Electrical connection 1, number of connections/cores | 3   |
| Cable length   | 2.5 m   |
| Material cable sheath                                | TPE-U(PUR)  |
| Size   | M30x1.5   |
| Type of mounting                                     | Via lock nut  |
| Tightening torque                                    | 40 Nm   |
| Mounting type  | Not flush   |

| <b>Feature</b>                              | <b>Value</b>                            |
|---|---|
| Product weight                              | 150 g                                   |
| Material housing                            | PBTP<br>Chrome-plated                   |
| Switching status indication                 | Yellow LED                              |
| Ambient temperature with moving cable       | -5 °C ... 70 °C                         |
| Degree of protection                        | IP67                                    |
| Immunity to surge                           | 0.8 kV                                  |
| LABS (PWIS) conformity                      | VDMA24364-B2-L                          |
| Pollution degree                            | 3                                       |
| Additional information for sensor selection | With standards-based switching distance |
| Electrical output                           | NPN                                     |
| Selection of sensor design                  | Standard                                |