

# Proximity sensor SIEN-M30NB-PO-S-L

Part number: 150447

FESTO



[General operating condition](#)

## Data sheet

| Feature  | Value  |
|--|--|
| Conforms to standard                           | EN 60947-5-2   |
| Symbol   | 00992830   |
| Certification                                  | RCM compliance mark<br>c UL us - Listed (OL)   |
| CE marking (see declaration of conformity)     | As per EU EMC directive<br>As per EU RoHS directive  |
| UKCA marking (see declaration of conformity)   | according to UK RoHS regulations (UK-R)  |
| Note on materials                              | RoHS compliant   |
| Rated operating distance                       | 15 mm  |
| Assured operating 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 °C ... 70 °C   |
| Repetition accuracy                            | 0.75 mm  |
| Switching output                               | PNP  |
| Switching element function                     | NC contact   |
| Hysteresis                                     | ≤1.65 mm   |
| Max. switching frequency                       | 700 Hz   |
| Max. output current                            | 200 mA   |
| Voltage drop                                   | ≤2 V   |
| Short-circuit protection                       | Pulsed   |
| DC operating voltage range                     | 16 V ... 30 V  |
| Residual ripple                                | +/- 20%  |
| Idle current                                   | ≤10 mA   |
| Reverse polarity protection                    | for all electrical connections   |
| Electrical connection 1, connection type       | Plug   |
| Electrical connection 1, connection technology | M12x1 A-coded as per EN 61076-2-101  |
| Electrical connection 1, number of pins/wires  | 4  |
| Electrical connection 1, type of mounting      | not rotatable  |
| Electrical connection 1, type of mounting      | Compatible with rotatable screw-type lock  |
| Size   | M30x1.5  |
| Type of mounting                               | With locknut   |
| Tightening torque                              | 40 Nm  |
| Mounting type                                  | Not flush  |

| <b>Feature</b>                                       | <b>Value</b>                     |
|--|----------------------------------|
| Product weight                                       | 100 g                            |
| Housing material                                     | PBTP<br>Chrome-plated            |
| Switching status indication                          | Yellow LED                       |
| Ambient temperature with flexible cable installation | -5 °C ... 70 °C                  |
| Degree of protection                                 | IP67                             |
| Surge resistance                                     | 0.8 kV                           |
| 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                         |