

Proximity sensor SIEN-M12B-NS-K-L

Part number: 150400

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|--|--|
| Conforms to standard | EN 60947-5-2 |
| Symbol | 00991704 |
| Approval | RCM trademark c UL us listed (OL) |
| CE mark (see declaration of conformity) | To EU EMC Directive In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | according to UK RoHS instructions (UK-R) |
| Rated operating distance | 2 mm |
| Assured operating distance | 1.62 mm |
| Reduction factors | Aluminium = 0.4 Stainless steel St 18/8 = 0.6 Copper = 0.3 Brass = 0.5 Steel St 37 = 1.0 |
| Ambient temperature | -25 °C ... 70 °C |
| Repetition accuracy with constant conditions | 0.1 mm |
| Switching output | NPN |
| Switching element function | N/O contact |
| Hysteresis | ≤0.18 mm |
| Max. switching frequency | 3000 Hz |
| Max. output current | 200 mA |
| Voltage drop | ≤2 V |
| Inductive protective circuit | Integrated |
| Short circuit current rating | Pulsed |
| Operational voltage range DC | 10 V ... 30 V |
| Residual ripple | ± 10% |
| 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 | M12x1 |
| Type of mounting | Via lock nut |
| Mounting type | Flush |
| Product weight | 110 g |

| Feature | Value |
|---|--------------------------------|
| Material housing | PBTP Nickel-plated |
| Switching status indication | Yellow LED |
| Ambient temperature with moving cable | -5 °C ... 70 °C |
| Degree of protection | IP65 IP67 |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Additional information for sensor selection | with standard sensing distance |
| Electrical output | NPN |
| Selection of sensor design | Standard |