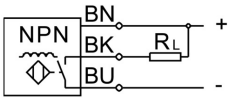
# Proximity sensor
# SIEN-M12B-NS-K-L

Part number: 150400

FESTO






## Data sheet

| Feature | Value |
|---|---|
| Type code | SIEN |
| Conforms to standard | EN 60947-5-2 |
| Symbol | 00991704 |
| Certification | RCM compliance mark<br>c UL us - Listed (OL) |
| CE marking (see declaration of conformity) | As per EU EMC directive |
| Note on materials | Free of copper and PTFE |
| Rated operating distance | 2 mm |
| Assured operating distance | 1.62 mm |
| Reduction factors | Aluminum = 0.4<br>Stainless steel St 18/8 = 0.6<br>Copper = 0.3<br>Brass = 0.5<br>Steel St 37 = 1.0 |
| Ambient temperature | -25 °C ... 70 °C |
| Repetition accuracy under 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 | Installed |
| Short-circuit protection | Pulsed |
| DC operating voltage range | 10 V ... 30 V |
| Residual ripple | ± 10% |
| Idle current | ≤10 mA |
| Reverse polarity protection | for all electrical connections |
| Electrical connection | Cable |
| Cable length | 2.5 m |
| Material of cable sheath | TPE-U(PUR) |
| Size | M12x1 |
| Type of mounting | With lock nut |
| Mounting type | Flush |
| Product weight | 110 g |
| Housing material | Brass<br>PBTP<br>Nickel-plated |

| Feature | Value |
|---|---|
| Switching status indication | LED yellow |
| Ambient temperature with flexible cable installation | -5 °C ... 70 °C |
| Degree of protection | IP65<br>IP67 |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| Selection of additional sensor information | With standard switching distance |
| Electrical output | NPN |
| Selection of sensor version | Standard |