

Proximity sensor SIEF-M12B-NS-K-L

Part number: 553544

FESTO



[General operating condition](#)

Data sheet

| Feature | Value |
|--|--|
| Design | Round |
| Conforms to standard | EN 60947-5-2 |
| Symbol | 00991704 |
| Certification | RCM compliance mark c UL us - Listed (OL) |
| CE marking (see declaration of conformity) | As per EU EMC directive As per EU low voltage directive As per EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions To UK instructions for electrical equipment |
| Note on materials | RoHS-compliant |
| Rated operating distance | 3 mm |
| Ambient temperature | -30 °C ... 70 °C |
| Repetition accuracy | 0.16 mm |
| Switching output | NPN |
| Switching element function | N/O contact |
| Max. switching frequency DC | 3000 Hz |
| Max. output current | 200 mA |
| Short-circuit protection | Pulsed |
| DC operating voltage range | 10 V ... 30 V |
| Reverse polarity protection | for all electrical connections |
| Electrical connection | Cable |
| Cable length | 2.5 m |
| Material of cable sheath | TPE-U(PU) |
| Size | M12 |
| Mounting type | Flush |
| Product weight | 105 g |
| Housing material | TPE-O Chrome-plated |
| Switching status indication | LED yellow |
| Ambient temperature with flexible cable installation | -5 °C ... 70 °C |
| Degree of protection | IP68 |
| Resistance to interference from magnetic fields | Magnetic direct and alternating fields |
| Surge resistance | 0.8 kV |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Contamination level | 3 |

| Feature | Value |
|--|---|
| Selection of additional sensor information | with reduction factor 1 – resistance to magnetic fields |
| Selection of sensor version | Standard |