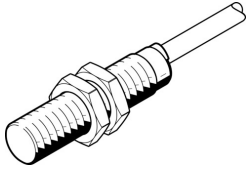


Proximity sensor SIEF-M12B-NS-K-L

Part number: 553544

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|--|---|
| Design | Round |
| Conforms to standard | EN 60947-5-2 |
| Symbol | 00991704 |
| Approval | RCM trademark c UL us listed (OL) |
| CE mark (see declaration of conformity) | To EU EMC Directive To EU Low Voltage Directive In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions To UK regulations 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 current rating | Pulsed |
| Operational voltage range DC | 10 V ... 30 V |
| Reverse polarity protection | For all electrical connections |
| Electrical connection | 3-wire Cable |
| Cable length | 2.5 m |
| Material cable sheath | TPE-U(PU) |
| Size | M12 |
| Mounting type | Flush |
| Product weight | 105 g |
| Material housing | TPE-O Chrome-plated |
| Switching status indication | Yellow LED |
| Ambient temperature with moving cable | -5 °C ... 70 °C |
| Degree of protection | IP68 |
| Immunity to magnetic fields | Magnetic direct and alternating field |
| Immunity to surge | 0.8 kV |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |

| Feature | Value |
|---|--|
| Pollution degree | 3 |
| Additional information for sensor selection | Reduction factor 1, resistant to magnetic fields |
| Selection of sensor design | Standard |