

Proximity sensor SME-10M

Part number: 551364

FESTO



Data sheet

| Feature | Value |
|--|--|
| Design | for round slot |
| Conforms to standard | EN 60947-5-2 |
| Certification | RCM compliance mark |
| CE marking (see declaration of conformity) | As per EU EMC directive As per EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| Special features | Oil-resistant |
| Note on materials | RoHS-compliant Halogen-free |
| Application note | Support / actuator-sensor overview "The right sensor for the actuator" |
| Measured variable | Position |
| Measuring principle | Magnetic reed |
| Ambient temperature | -40 °C...70 °C |
| Repetition accuracy | 0.2 mm |
| Switching output | Contact-based, bipolar |
| Switching element function | N/O contact |
| On time | 1.2 ms |
| Switch-off time | 1 ms |
| Max. switching frequency | 50 Hz |
| Max. output current | 100 mA...300 mA |
| Max. output current in mounting kits | 50 mA |
| Min. switching capacity AC | 3 VA...9 VA |
| Max. switching capacity DC | 3 W...9 W |
| Max. switching capacity DC in mounting kits | 1.5 W |
| Max. switching capacity AC in mounting kits | 1.5 VA |
| Voltage drop | 4.5 V |
| Short-circuit protection | no |
| Overload protection | Not available |
| Rated operating voltage DC | 24 V |
| Operating voltage range AC | 5 V...30 V |
| DC operating voltage range | 5 V...30 V |

| Feature | Value |
|--|--|
| Reverse polarity protection | Bipolar no |
| Electrical connection 1, connection type | Cable Cable with plug |
| Electrical connection 1, connection technology | M12x1 A-coded as per EN 61076-2-101 M8x1 A-coded as per EN 61076-2-104 Open end |
| Electrical connection 1, number of pins/wires | 2 3 |
| Electrical connection 1, type of mounting | Screw-type lock |
| Connection outlet orientation | Longitudinal Transverse |
| Connector cable test conditions | Flexural strength: as per Festo standard Test conditions on request Torsion resistance: > 300,000 cycles, $\pm 270^\circ/0.1$ m Energy chain > 5 million cycles, bending radius 28 mm |
| Cable length | 0.2 m...10 m |
| Cable characteristic | Suitable for energy chains/robot applications |
| Material of cable sheath | TPE-U(PUR) |
| Type of mounting | Screwed tightly Can be inserted in slot from above |
| Max. tightening torque | 0.4 Nm |
| Mounting position | Any |
| Housing material | PA-reinforced High-alloy stainless steel |
| Switching status indication | LED yellow |
| Ambient temperature with flexible cable installation | -20 °C...70 °C |
| Degree of protection | IP65 IP68 |
| LABS (PWIS) conformity | VDMA24364-B2-L |