# proximity sensor
# SME-10M-DS-24V-E-0,3-L-M8D

Part number: 551367

★ Core product range

**FESTO**
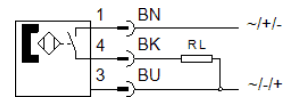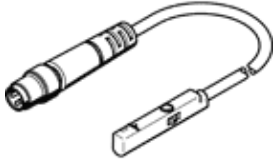
## Data sheet

| Feature | Value |
|---|---|
| Design | for round slot |
| Conforms to standard | EN 60947-5-2 |
| Authorisation | C-Tick |
| CE mark (see declaration of conformity) | to EU directive for EMC |
| Special characteristics | Oil resistant |
| Materials note | Free of copper and PTFE |
| | Conforms to RoHS |
| | Halogen-free |
| Measured variable | Position |
| Measuring principle | Reed magnetic |
| Ambient temperature | -40 ... 70 °C |
| Switch output | with contact, bipolar |
| Switching element function | Normally open contact |
| Switching output repetition accuracy in ± mm | 0.1 mm |
| Switch-on time | <= 1.2 ms |
| Switch-off time | <= 1 ms |
| Max. switching frequency | 50 Hz |
| Max. output current | 300 mA |
| Max. output current in mounting kits | 50 mA |
| Max. contact rating AC | 9 VA |
| Max. contact rating DC | 9 W |
| Max. switching capacity DC in mounting kits | 1.5 W |
| Max. switching capacity AC in mounting kits | 1.5 VA |
| Voltage drop | <= 1.5 V |
| Short circuit strength | No |
| Overload withstand capability | Not available |
| Nominal operating voltage DC | 24 V |
| Operating voltage range AC | 5 ... 30 V |
| Operating voltage range DC | 5 ... 30 V |
| Polarity protected | No |
| Electrical connection 1, connection type | Cable with plug |
| Electrical connection 1, connection technology | M8x1 A-coded to EN 61076-2-104 |
| Electrical connection 1, number of pins/wires | 3 |
| Electrical connection 1, type of mounting | Screw lock |
| Connector exit direction | axial |
| Test conditions of cable | Bending strength according to Festo standard |
| | Test conditions on request |
| | Chain link trunking: 5 million cycles, bending radius 28 mm |
| | Torsion resistance: > 300,000 cycles, ±270°/0.1 m |
| Cable length | 0.3 m |
| Cable attribute | Energy chain + robot |
| Material cable sheath | TPE-U(PUR) |
| Mounting type | Tightened |
| | Insertable in slot from above |

| Feature | Value |
|---|---|
| Max. tightening torque | 0.4 Nm |
| Assembly position | Any |
| Product weight | 6.7 g |
| Material housing | PA-reinforced |
| | High alloy steel, non-corrosive |
| Operating status display | Yellow LED |
| Ambient temperature with flexible cable installation | -20 ... 70 °C |
| Protection class | IP65 |
| | IP68 |