# Proximity sensor
# SDBC-MSB-1L-PU-K-0.3-M8
Part number: 8139726

**FESTO**



# Data sheet

| Feature | Value |
|---|---|
| Design | for round slot |
| Conforms to standard | EN 60947-5-2 |
| Authorization | RCM Mark |
| CE symbol (see declaration of conformity) | according to EU-EMV guideline<br>in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC<br>To UK RoHS instructions |
| KC mark | KC-EMV |
| Special characteristics | Oil resistant |
| Materials note | Conforms to RoHS<br>Halogen-free<br>Free of copper |
| Instructions for use | Cable flame-protected and flame-retardant to UL Standard 758 Horizontal Flame Test, does not comply with fire protection according to IEC 61010-1:2017, Edition 3.1, Section 9.3. |
| Measured variable | Position |
| Measuring principle | Magnetoresistive |
| Ambient temperature | -10 ... 70 °C |
| Repetition accuracy | 0.2 mm |
| Switch output | PNP |
| Switching element function | Normally open contact |
| Switch-on time | <= 2.5 ms |
| Switch-off time | <= 2.5 ms |
| Max. switching frequency | 480 Hz |
| Max. output current | 100 mA |
| Max. contact rating DC | 3 W |
| Voltage drop | <= 0.5 V |
| Short circuit strength | No |
| Overload withstand capability | Not available |
| Nominal operating voltage DC | 24 V |
| Operating voltage range DC | 10 ... 30 V |
| Polarity protected | for all electrical connections |
| 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 |
| Cable length | 0.3 m |
| Cable attribute | Standard<br>Suitable for energy chains |
| Material cable sheath | PUR |
| Material insulation | PP |
| Mounting type | Tightened<br>Insertable in slot from above |
| Max. tightening torque | 0.2 Nm |
| Assembly position | Any |
| Product weight | 10 g |

| Feature | Value |
|---|---|
| Material housing | PC |
| Material of union nut | High alloy steel, non-corrosive |
| Operating status display | Yellow LED |
| Ambient temperature with flexible cable installation | -10 … 70 °C |
| Protection class | IP67 <br> to IEC 60529 |
| PWIS conformity | VDMA24364 zone III |