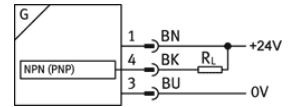
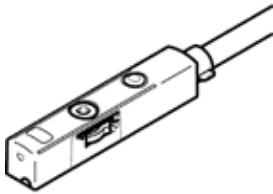


proximity sensor SDBT-MSX-1L-NU-E-0.3-N-M8

Part number: 8059123

★ Core product range

FESTO



Data sheet

| Feature | Value |
|--|---|
| Design | for T-slot |
| Based on the standard | EN 60947-5-2 |
| Authorisation | RCM Mark c UL us - Listed (OL) |
| CE mark (see declaration of conformity) | to EU directive for EMC in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| KC mark | KC-EMV |
| Certificate issuing department | UL E232949 |
| Materials note | Conforms to RoHS Halogen-free |
| Instructions for use | Link: Drive-Sensor-Overview |
| Measured variable | Position |
| Measuring principle | Hall magnetic |
| Ambient temperature | -40 ... 85 °C |
| Max. travel speed | 3 m/s |
| Repetition accuracy | 0.1 mm |
| Switch output | PNP/NPN, switchable |
| Switching element function | N/C or N/O contact, switchable |
| Hysteresis | 0.2 mm |
| Switch-on time | ≤ 2 ms |
| Switch-off time | ≤ 2 ms |
| Max. switching frequency | 200 Hz |
| Max. output current | 100 mA |
| Max. output current in mounting kits | 100 mA |
| Max. contact rating DC | 2.8 W |
| Max. switching capacity DC in mounting kits | 2.8 W |
| Voltage drop | < 1.5 V |
| Minimum load current | 0.15 mA |
| Residual current | < 0.2 mA |
| Short circuit strength | Yes |
| Overload withstand capability | 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 |
| Test conditions of cable | Bending strength according to Festo standard Test conditions on request Torsion resistance: > 300,000 cycles, ±270°/0.1 m Energy chain: > 5 million cycles, bending radius 28 mm |
| Cable length | 0.3 m |

| Feature | Value |
|--|---|
| Cable attribute | Suitable for energy chains/robot applications |
| Cable sheath colour | Grey |
| Material cable sheath | TPE-U(PUR) |
| Mounting type | Tightened Insertable in slot from above |
| Max. tightening torque | 0.6 Nm |
| Assembly position | Any |
| Product weight | 10 g |
| Housing colour | Black |
| Material housing | Nickel-plated brass PA-reinforced High alloy steel, non-corrosive |
| Operating status display | Yellow LED |
| Status display | Green LED |
| Setting options | Auto Teach-In Capacitive pushbutton |
| Ambient temperature with flexible cable installation | -20 ... 85 °C |
| Protection class | IP68 |
| PWIS conformity | VDMA24364-B2-L |
| RSBP classification to CD-0033 | F1a |
| Cleanroom class | ISO class 4 |