

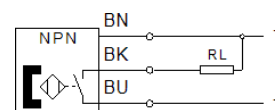
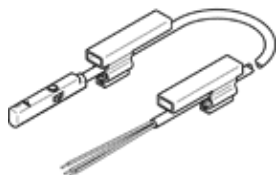
# proximity sensor SMT-10M-NS-24V-E-2,5-L-OE

Part number: 551377

★ Core product range

Magnetic, contactless, for C-slot.

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| Design   | for round slot   |
| Conforms to standard                           | EN 60947-5-2   |
| Authorisation                                  | RCM Mark<br>c UL us - Listed (OL)  |
| CE mark (see declaration of conformity)        | to EU directive for EMC<br>in accordance with EU RoHS directive  |
| KC mark  | KC-EMV   |
| Special characteristics                        | Oil resistant  |
| Materials note                                 | Free of copper and PTFE<br>Conforms to RoHS<br>Halogen-free  |
| Measured variable                              | Position   |
| Measuring principle                            | Magneto-resistive  |
| Ambient temperature                            | -40 ... 70 °C  |
| Repetition accuracy                            | 0.2 mm   |
| Switch output                                  | NPN  |
| Switching element function                     | Normally open contact  |
| Switch-on time                                 | ≤ 1.3 ms   |
| Switch-off time                                | ≤ 1.4 ms   |
| Max. switching frequency                       | 150 Hz   |
| Max. output current                            | 100 mA   |
| Max. output current in mounting kits           | 50 mA  |
| Max. contact rating DC                         | 2.8 W  |
| Max. switching capacity DC in mounting kits    | 1.5 W  |
| Voltage drop                                   | ≤ 1.5 V  |
| Short circuit strength                         | Yes  |
| Overload withstand capability                  | Available  |
| Nominal operating voltage DC                   | 24 V   |
| Operating voltage range DC                     | 5 ... 30 V   |
| Polarity protected                             | for all electrical connections   |
| Electrical connection 1, connection type       | Cable  |
| Electrical connection 1, connection technology | Open end   |
| Electrical connection 1, number of pins/wires  | 3  |
| Connector exit direction                       | axial  |
| Test conditions of cable                       | Bending strength according to Festo standard<br>Test conditions on request<br>Chain link trunking: 5 million cycles, bending radius 28 mm<br>Torsion resistance: > 300,000 cycles, ±270°/0.1 m |
| Cable length                                   | 2.5 m  |
| Cable attribute                                | Energy chain + robot   |
| Material cable sheath                          | TPE-U(PUR)   |
| Mounting type                                  | Tightened<br>Insertable in slot from above   |
| Max. tightening torque                         | 0.4 Nm   |

| Feature  | Value  |
|--|--|
| Assembly position                                    | Any  |
| Product weight                                       | 16.8 g   |
| Material housing                                     | PA-reinforced<br>High alloy steel, non-corrosive |
| Operating status display                             | Yellow LED                                       |
| Ambient temperature with flexible cable installation | -20 ... 70 °C                                    |
| Protection class                                     | IP65<br>IP68                                     |