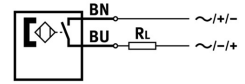



# Proximity sensor SME-10M-ZS-24V-E-2,5-Q-OE

Part number: 551370

FESTO



 [General operating condition](#)

## Data sheet

| Feature  | Value  |
|--|--|
| Design   | for round slot   |
| Conforms to standard                           | EN 60947-5-2   |
| Symbol   | 00991624   |
| Certification                                  | RCM compliance mark  |
| CE marking (see declaration of conformity)     | As per EU EMC directive<br>As per EU RoHS directive                    |
| UKCA marking (see declaration of conformity)   | To UK instructions for EMC<br>To UK RoHS instructions                  |
| Special features                               | Oil-resistant  |
| Note on materials                              | RoHS-compliant<br>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   |
| Max. output current in mounting kits           | 50 mA  |
| Min. switching capacity AC                     | 3 VA   |
| Max. switching capacity DC                     | 3 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   |
| Reverse polarity protection                    | Bipolar  |
| Electrical connection 1, connection type       | Cable  |
| Electrical connection 1, connection technology | Open end   |

| Feature  | Value  |
|--|--|
| Electrical connection 1, number of pins/wires        | 2  |
| Connection outlet orientation                        | Transverse   |
| Connector cable test conditions                      | Flexural strength: as per Festo standard<br>Test conditions on request<br>Torsional resistance: > 300 000 cycles, ±270°/0.1 m<br>Energy chain > 5 million cycles, bending radius 28 mm |
| Cable length   | 2.5 m  |
| Cable characteristic                                 | Suitable for energy chains/robot applications  |
| Material of cable sheath                             | TPE-U(PUR)   |
| Type of mounting                                     | Screwed tightly<br>Can be inserted in slot from above  |
| Max. tightening torque                               | 0.4 Nm   |
| Mounting position                                    | Any  |
| Product weight                                       | 14.6 g   |
| Housing material                                     | PA-reinforced<br>High-alloy stainless steel  |
| Switching status indication                          | LED yellow   |
| Ambient temperature with flexible cable installation | -20 °C ... 70 °C   |
| Degree of protection                                 | IP65<br>IP68   |
| LABS (PWIS) conformity                               | VDMA24364-B2-L   |