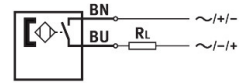


# Proximity sensor SME-10M-ZS-24V-E-2,5-Q-OE

Part number: 551370

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| Design   | For C-slot   |
| Conforms to standard                           | EN 60947-5-2   |
| Approval                                       | RCM trademark  |
| CE mark (see declaration of conformity)        | To EU EMC Directive<br>In accordance with EU RoHS Directive            |
| UKCA marking (see declaration of conformity)   | To UK instructions for EMC<br>To UK RoHS instructions                  |
| Special characteristics                        | Oil resistant  |
| Note on materials                              | RoHS-compliant<br>Free of halogen                                      |
| Instructions on use                            | 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                               | Contacting, bipolar  |
| Switching element function                     | N/O contact  |
| Switch-on time                                 | 1.2 ms   |
| Switch-off time                                | 1 ms   |
| Max. switching frequency                       | 50 Hz  |
| Max. output current                            | 100 mA   |
| Max. output current using mounting kits        | 50 mA  |
| Max. switching capacity AC                     | 3 VA   |
| Max. switching capacity DC                     | 3 W  |
| Max. switching capacity DC using mounting kits | 1.5 W  |
| Max. switching capacity AC using mounting kits | 1.5 VA   |
| Voltage drop                                   | 4.5 V  |
| Short circuit current rating                   | no   |
| Overload protection                            | Not available  |
| Rated operational voltage DC                   | 24 V   |
| Operational voltage range AC                   | 5 V...30 V   |
| Operational voltage range DC                   | 5 V...30 V   |

| Feature  | Value  |
|--|--|
| Reverse polarity protection                          | Bipolar  |
| Electrical connection 1, connection type             | Cable  |
| Electrical connection 1, connector system            | Open end   |
| Electrical connection 1, number of connections/cores | 2  |
| Connection outlet orientation                        | Lateral  |
| Test conditions cable                                | Bending strength: to Festo standard<br>Test conditions on request<br>Torsional strength: > 300,000 cycles, $\pm 270^\circ/0.1$ 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 cable sheath                                | TPE-U(PUR)   |
| Type of mounting                                     | Screw-clamped<br>Insertable in the slot from above   |
| Max. tightening torque                               | 0.4 Nm   |
| Mounting position                                    | optional   |
| Product weight                                       | 14.6 g   |
| Material housing                                     | PA-reinforced<br>High-alloy stainless steel  |
| Switching status indication                          | Yellow LED   |
| Ambient temperature with moving cable                | -20 °C...70 °C   |
| Degree of protection                                 | IP65<br>IP68   |
| LABS (PWIS) conformity                               | VDMA24364-B2-L   |