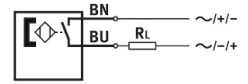


# Proximity sensor SME-10M-ZS-24V-E-2,5-Q-OE

Part number: 551370

**FESTO**



General operating condition

## Data sheet

| Feature                                        | Value                                                                  |
|------------------------------------------------|------------------------------------------------------------------------|
| Design                                         | For C-slot                                                             |
| Conforms to standard                           | EN 60947-5-2                                                           |
| Symbol                                         | 00991624                                                               |
| 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                                                           |
| Reverse polarity protection                    | Bipolar                                                                |
| Electrical connection 1, connection type       | Cable                                                                  |
| Electrical connection 1, connector system      | Open end                                                               |

| Feature                                              | Value                                                                                                                                                                            |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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, ±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 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                                     | 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                                                                                                                                                                   |