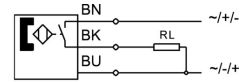


# Proximity sensor SME-10M-DS-24V-E-2,5-L-OE

Part number: 551365

FESTO



## Data sheet

| Feature  | Value   |
|--|---|
| Type code                                      | SME   |
| Design   | for round slot  |
| Conforms to standard                           | EN 60947-5-2  |
| Symbol   | 00991620  |
| Certification                                  | RCM compliance mark                                       |
| CE marking (see declaration of conformity)     | As per EU EMC directive                                   |
| Special features                               | Oil-resistant   |
| Note on materials                              | Free of copper and PTFE<br>RoHS-compliant<br>Halogen-free |
| 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                            | 300 mA  |
| Max. output current in mounting kits           | 50 mA   |
| Min. switching capacity AC                     | 9 VA  |
| Max. switching capacity DC                     | 9 W   |
| Max. switching capacity DC in mounting kits    | 1.5 W   |
| Max. switching capacity AC in mounting kits    | 1.5 VA  |
| Voltage drop                                   | ≤1.5 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                    | no  |
| Electrical connection 1, connection type       | Cable   |
| Electrical connection 1, connection technology | Open end  |
| Electrical connection 1, number of pins/wires  | 3   |
| Connection outlet orientation                  | Longitudinal  |

| Feature  | Value  |
|--|--|
| Connector cable test conditions                      | Flexural strength: as per Festo standard<br>Test conditions on request<br>Cable chain: 5 million cycles, bending radius 28 mm<br>Torsional resistance: > 300 000 cycles, ±270°/0.1 m |
| Cable length   | 2.5 m  |
| Cable characteristic                                 | Suitability 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                                       | 16.8 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   |