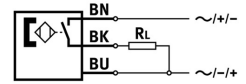


# Proximity sensor SME-8M-DS-24V-K-2,5-OE

Part number: 543862

**FESTO**



General operating condition

## Data sheet

| Feature                                        | Value                                                                                                                           |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Symbol                                         | 00991620                                                                                                                        |
| Certification                                  | RCM compliance mark<br>c UL us - Listed (OL)                                                                                    |
| 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                                                                                                                  |
| Measuring principle                            | Magnetic reed                                                                                                                   |
| Ambient temperature                            | -40 °C ... 70 °C                                                                                                                |
| Switching output                               | Contact-based, bipolar                                                                                                          |
| Switching element function                     | N/O contact                                                                                                                     |
| Max. output current                            | 500 mA                                                                                                                          |
| Max. output current in mounting kits           | 80 mA                                                                                                                           |
| Min. switching capacity AC                     | 10 VA                                                                                                                           |
| Max. switching capacity DC                     | 10 W                                                                                                                            |
| Max. switching capacity DC in mounting kits    | 2.4 W                                                                                                                           |
| Max. switching capacity AC in mounting kits    | 2.4 VA                                                                                                                          |
| Voltage drop                                   | 1.5 V                                                                                                                           |
| Short-circuit protection                       | no                                                                                                                              |
| Overload protection                            | Not available                                                                                                                   |
| 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                                                                                                                    |
| Connector cable test conditions                | Flexural strength: as per Festo standard<br>Test conditions on request<br>Energy chain > 5 million cycles, bending radius 75 mm |
| Cable length                                   | 2.5 m                                                                                                                           |
| Cable characteristic                           | Standard/suitable for energy chains                                                                                             |
| Material of cable sheath                       | TPE-U(PUR)                                                                                                                      |
| Type of mounting                               | Screwed tightly<br>Can be inserted in slot from above                                                                           |

| Feature                                              | Value                            |
|------------------------------------------------------|----------------------------------|
| Product weight                                       | 29.8 g                           |
| Housing material                                     | PA<br>High-alloy stainless steel |
| Switching status indication                          | LED yellow                       |
| Ambient temperature with flexible cable installation | -5 °C ... 70 °C                  |
| Degree of protection                                 | IP65<br>IP68                     |
| LABS (PWIS) conformity                               | VDMA24364-B2-L                   |