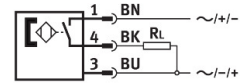


# Proximity sensor SME-8M-DS-24V-K-0,3-M8D

Part number: 543861

FESTO



General operating condition

## Data sheet

| Feature  | Value   |
|--|---|
| Symbol   | 00991619  |
| Approval   | RCM trademark<br>c UL us listed (OL)  |
| 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  |
| Instructions on use                                  | <a href="https://www.festo.com/Drive-Sensor-Overview">https://www.festo.com/Drive-Sensor-Overview</a> |
| Measuring principle                                  | Magnetic reed   |
| Ambient temperature                                  | -40 °C ... 70 °C  |
| Switching output                                     | Contacting, bipolar   |
| Switching element function                           | N/O contact   |
| Max. output current                                  | 500 mA  |
| Max. output current using mounting kits              | 80 mA   |
| Max. switching capacity AC                           | 10 VA   |
| Max. switching capacity DC                           | 10 W  |
| Max. switching capacity DC using mounting kits       | 2.4 W   |
| Max. switching capacity AC using mounting kits       | 2.4 VA  |
| Voltage drop   | 1.17 V  |
| Short circuit current rating                         | no  |
| Overload protection                                  | Not available   |
| Operational voltage range AC                         | 5 V ... 30 V  |
| Operational voltage range DC                         | 5 V ... 30 V  |
| Reverse polarity protection                          | no  |
| Electrical connection 1, connection type             | Cable with plug   |
| Electrical connection 1, connector system            | M8x1, A-coded, to EN 61076-2-104  |
| Electrical connection 1, number of connections/cores | 3   |
| Electrical connection 1, type of mounting            | Screw-type lock<br>Rotatable  |
| Electrical connection 1, compatible type of mounting | Compatible with rotatable/non-rotatable screw-type lock   |
| Electrical connection 1, connection pattern          | 00991155  |
| Connection outlet orientation                        | In-line   |
| Material electrical contact                          | Gold-plated copper alloy  |
| Material connector housing                           | TPE-U(PU)   |
| Material screw-type lock                             | Nickel-plated brass   |

| <b>Feature</b>                        | <b>Value</b>  |
|---------------------------------------|---|
| Test conditions cable                 | Bending strength: to Festo standard<br>Test conditions on request<br>Energy chain: > 5 million cycles, bending radius 75 mm |
| Cable length                          | 0.3 m   |
| Cable characteristic                  | Standard/suitable for energy chains   |
| Material cable sheath                 | TPE-U(PUR)  |
| Type of mounting                      | Screw-clamped<br>Insertable in the slot from above  |
| Product weight                        | 8.9 g   |
| Material housing                      | High-alloy stainless steel  |
| Switching status indication           | Yellow LED  |
| Ambient temperature with moving cable | -5 °C ... 70 °C   |
| Degree of protection                  | IP65<br>IP68  |
| LABS (PWIS) conformity                | VDMA24364-B2-L  |