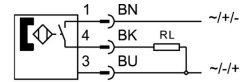


# Proximity sensor SME-10-SQ-LED-24

Part number: 173213

FESTO



## Data sheet

| Feature                                    | Value  |
|--|--|
| Type code                                  | SME  |
| Design                                     | for round slot   |
| Conforms to standard                       | EN 60947-5-2   |
| Symbol                                     | 00991619   |
| Certification                              | RCM compliance mark  |
| CE marking (see declaration of conformity) | As per EU EMC directive  |
| Note on materials                          | Free of copper and PTFE  |
| Measuring principle                        | Magnetic reed  |
| Ambient temperature                        | -20 °C ... 70 °C   |
| Switching output                           | Contact-based, bipolar   |
| Switching element function                 | N/O contact  |
| Reproducibility of switching value         | +/- 0.1 mm   |
| On time                                    | ≤0.6 ms  |
| Switch-off time                            | ≤0.05 ms   |
| Max. switching frequency                   | 500 Hz   |
| Max. output current                        | 100 mA   |
| Max. switching capacity DC                 | 1 W  |
| Voltage drop                               | 0 V  |
| Short-circuit protection                   | no   |
| Overload protection                        | Not available  |
| Operating voltage range AC                 | 12 V ... 27 V  |
| DC operating voltage range                 | 12 V ... 27 V  |
| Reverse polarity protection                | no   |
| Electrical connection                      | 3-pin<br>Cable with plug<br>M8x1   |
| Connection outlet orientation              | Transverse   |
| Cable length                               | 0.3 m  |
| Material of cable sheath                   | TPE-U(PUR)   |
| Type of mounting                           | Clamped in round slot<br>Can be inserted in slot lengthwise              |
| Tightening torque                          | 0.1 Nm   |
| Product weight                             | 5 g  |
| Housing material                           | Brass<br>PPS<br>TPE-U(PU)<br>High-alloy stainless steel<br>Nickel-plated |

| <b>Feature</b>                                       | <b>Value</b>    |
|--|-----------------|
| Switching status indication                          | LED yellow      |
| Ambient temperature with flexible cable installation | -5 °C ... 70 °C |
| Degree of protection                                 | IP65<br>IP67    |
| Insulation voltage                                   | 50 V            |
| Surge resistance                                     | 0.8 kV          |
| Contamination level                                  | 3               |