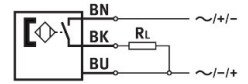


# Proximity sensor SME-10-KL-LED-24

Part number: 173210

FESTO



## Data sheet

| Feature                                        | Value                                                                  |
|------------------------------------------------|------------------------------------------------------------------------|
| Design                                         | For round slot                                                         |
| Conforms to standard                           | EN 60947-5-2                                                           |
| Certification                                  | RCM compliance mark                                                    |
| 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                  |
| Note on materials                              | RoHS compliant                                                         |
| Application note                               | Support / actuator-sensor overview "The right sensor for the actuator" |
| Measured variable                              | Position                                                               |
| Measuring principle                            | Magnetic reed                                                          |
| Ambient temperature                            | -20 °C...70 °C                                                         |
| Repetition accuracy                            | 0.2 mm                                                                 |
| Switching output                               | Contact-based, bipolar                                                 |
| Switching element function                     | N.O. contact                                                           |
| 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 1, connection type       | Cable                                                                  |
| Electrical connection 1, connection technology | Open end                                                               |
| Electrical connection 1, number of pins/wires  | 3                                                                      |
| Connection outlet orientation                  | Longitudinal                                                           |
| Cable length                                   | 2.5 m                                                                  |
| Color cable sheath                             | Gray                                                                   |

| Feature                                              | Value                                                   |
|------------------------------------------------------|---------------------------------------------------------|
| Material of cable sheath                             | TPE-U(PUR)                                              |
| Type of mounting                                     | Clamped in T slot<br>Can be inserted in slot lengthwise |
| Tightening torque                                    | 0.1 Nm                                                  |
| Mounting position                                    | Any                                                     |
| Product weight                                       | 20 g                                                    |
| Housing colour                                       | Black                                                   |
| Housing material                                     | PPS<br>high-alloy stainless steel                       |
| Switching status indication                          | Yellow LED                                              |
| 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                                                  |
| LABS (PWIS) conformity                               | VDMA24364-B2-L                                          |
| Contamination level                                  | 3                                                       |