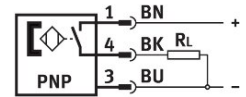


# Proximity sensor SMT-8-SL-PS-LED-24-B

Part number: 562019

FESTO



[General operating condition](#)

## Data sheet

| Feature  | Value   |
|--|---|
| Design   | For T-slot  |
| Based on norm                                  | EN 60947-5-2  |
| Symbol   | 00991153  |
| 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 RoHS instructions   |
| Certificate issuing authority                  | UL E232949  |
| Note on materials                              | RoHS compliant  |
| Application note                               | <a href="https://www.festo.com/Drive-Sensor-Overview">https://www.festo.com/Drive-Sensor-Overview</a> |
| Measured variable                              | Position  |
| Measuring principle                            | Magneto-resistive   |
| Ambient temperature                            | -20 °C ... 70 °C  |
| Repetition accuracy                            | 0.2 mm  |
| Switching output                               | PNP   |
| Switching element function                     | N.O. contact  |
| On time  | ≤1 ms   |
| Switch-off time                                | 2 ms ... 6 ms   |
| Max. switching frequency                       | 140 Hz  |
| Max. output current                            | 100 mA  |
| Max. switching capacity DC                     | 3 W   |
| Voltage drop                                   | ≤2 V  |
| Inductive protective circuit                   | Adapted to MZ, MY and ME coils  |
| Minimum load current                           | 0.1 mA  |
| Residual current                               | <0.002 mA   |
| Short-circuit protection                       | Yes   |
| Overload protection                            | Yes   |
| Rated operating voltage DC                     | 24 V  |
| DC operating voltage range                     | 10 V ... 30 V   |
| Residual ripple                                | 10%   |
| Reverse polarity protection                    | for all electrical connections  |
| Electrical connection 1, connection type       | Plug  |
| Electrical connection 1, connection technology | M8x1 A-coded as per EN 61076-2-104  |
| Electrical connection 1, number of pins/wires  | 3   |
| Electrical connection 1, type of mounting      | not rotatable   |

| Feature   | Value   |
|---|---|
| Electrical connection 1, type of mounting             | Compatible with snap-locking<br>Compatible with rotatable screw-type lock |
| Electrical connection for input 1, connection pattern | 00991155  |
| Connection outlet orientation                         | Longitudinal  |
| Material of pin contacts                              | Gold-plated brass   |
| Material of screw-type lock                           | high-alloy stainless steel  |
| Type of mounting                                      | Screwed on<br>Can be inserted in slot lengthwise                          |
| Tightening torque                                     | 0.12 Nm ... 0.4 Nm  |
| Max. tightening torque                                | 0.4 Nm  |
| Mounting position                                     | Any   |
| Product weight  | 4.2 g   |
| Housing colour  | Black   |
| Housing material                                      | high-alloy stainless steel  |
| Switching status indication                           | Yellow LED  |
| Degree of protection                                  | IP65<br>IP68  |
| LABS (PWIS) conformity                                | VDMA24364-B2-L  |