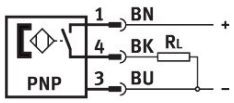
# Proximity sensor
# SMT-8-SL-PS-LED-24-B

Part number: 562019




## Data sheet

| Feature | Value |
|---|---|
| Design | For T-slot |
| Based on standard | EN 60947-5-2 |
| 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 |
| Certificate issuing authority | UL E232949 |
| Note on materials | RoHS-compliant |
| Instructions on use | https://www.festo.com/Drive-Sensor-Overview |
| 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 |
| Switch-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, ME coils |
| Min. load current | 0.1 mA |
| Off-state current | 2 µA |
| Short circuit current rating | yes |
| Overload protection | Yes |
| Rated operational voltage DC | 24 V |
| Operational voltage range DC | 10 V...30 V |
| Residual ripple | 10 % |
| Reverse polarity protection | For all electrical connections |

| Feature | Value |
|---|---|
| Electrical connection 1, connection type | Plugs |
| 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 | Snap-locking<br>Screw-type lock<br>Not rotatable |
| Electrical connection 1, compatible type of mounting | Compatible with latching lock<br>Compatible with rotatable screw-type lock |
| Connection outlet orientation | In-line |
| Material electrical contact | Gold-plated brass |
| Material screw-type lock | High-alloy stainless steel |
| Type of mounting | Screw-clamped<br>Insertable in the slot lengthwise |
| Tightening torque | 0.12 Nm...0.4 Nm |
| Max. tightening torque | 0.4 Nm |
| Mounting position | optional |
| Product weight | 4.2 g |
| Housing colour | Black |
| Material housing | PA<br>High-alloy stainless steel |
| Switching status indication | Yellow LED |
| Degree of protection | IP65<br>IP68 |
| LABS (PWIS) conformity | VDMA24364-B2-L |