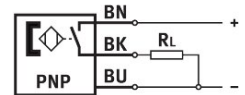
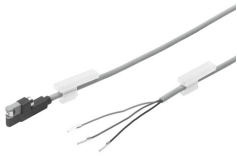


Proximity sensor SMT-10G-PS-24V-E-2,5Q-OE

Part number: 547862

FESTO



[General operating condition](#)

Data sheet

| Feature | Value |
|--|---|
| Design | for round slot |
| Based on norm | EN 60947-5-2 |
| Symbol | 00991152 |
| Certification | RCM compliance mark c UL us - Listed (OL) |
| CE marking (see declaration of conformity) | As per EU EMC directive 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 | 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 |
| On time | ≤1 ms |
| Switch-off time | ≤1 ms |
| Max. switching frequency | 150 Hz |
| Max. output current | 100 mA |
| Max. switching capacity DC | 2.8 W |
| Voltage drop | ≤2 V |
| Inductive protective circuit | Adapted to MZ, MY and ME coils |
| Residual current | ≤0.01 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 | Cable |
| Electrical connection 1, connection technology | Open end |
| Electrical connection 1, number of pins/wires | 3 |
| Connection outlet orientation | Transverse |

| Feature | Value |
|---|---|
| Connector cable test conditions | Flexural strength: as per Festo standard Test conditions on request Torsion resistance: > 300,000 cycles, $\pm 270^\circ/0.1$ m Energy chain: > 5 million cycles, bending radius 28 mm |
| Cable length | 2.5 m |
| Cable characteristic | suitable for energy chains/robot applications |
| Color cable sheath | Gray |
| Material of cable sheath | TPE-U(PU) |
| Wire ends | Cable end sleeve |
| Type of mounting | Clamped in round slot Can be inserted in slot lengthwise |
| Max. tightening torque | 0.6 Nm |
| Mounting position | Any |
| Product weight | 30 g |
| Housing colour | Black |
| Housing material | High-alloy stainless steel |
| Switching status indication | LED yellow |
| Ambient temperature with flexible cable installation | -5 °C ... 70 °C |
| Degree of protection | IP65 IP68 |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Suitability for the production of Li-ion batteries | Suitable for battery production with reduced Cu/Zn/Ni values (F1a) |
| Cleanroom suitability, measured according to ISO 14644-14 | Statically installed element, no meaningful evaluation possible according to ISO 14644-1 |