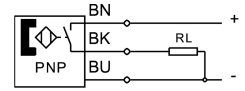
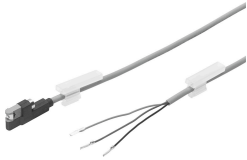


Proximity sensor SMT-10G-PS-24V-E-2,5Q-OE

Part number: 547862

FESTO



Data sheet

| Feature | Value |
|--|---|
| Design | For C-slot |
| Based on standard | EN 60947-5-2 |
| Approval | RCM trademark c UL us listed (OL) |
| CE mark (see declaration of conformity) | To EU EMC Directive In accordance with EU RoHS Directive |
| CE marking (see declaration of conformity) | To UK instructions for EMC 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 | 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, ME coils |
| Off-state current | 0.01 mA |
| Short circuit current rating | yes |
| Overload protection | Available |
| Rated operational voltage DC | 24 V |
| Operational voltage range DC | 10 V...30 V |
| Residual ripple | 10 % |
| Reverse polarity protection | For all electrical connections |
| Electrical connection 1, connection type | Cable |

| Feature | Value |
|--|--|
| Electrical connection 1, connector system | Open end |
| Electrical connection 1, number of connections/cores | 3 |
| Connection outlet orientation | Lateral |
| Test conditions cable | Bending strength: to Festo standard Test conditions on request Torsional resistance: > 300,000 cycles, ± 270°/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 |
| Cable sheath colour | grey |
| Material cable sheath | TPE-U(PU) |
| Wire ends | Wire end sleeve |
| Type of mounting | Clamped in C-slot Insertable in the slot lengthwise |
| Max. tightening torque | 0.6 Nm |
| Mounting position | optional |
| Product weight | 30 g |
| Housing colour | Black |
| Material housing | Aluminium PA-reinforced High-alloy stainless steel |
| Switching status indication | Yellow LED |
| Ambient temperature with moving cable | -5 °C...70 °C |
| Degree of protection | IP65 IP68 |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Suitability for the production of Li-ion batteries | Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils |
| Cleanroom class | Class 4 according to ISO 14644-1 |