

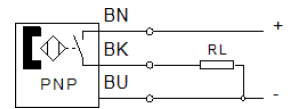
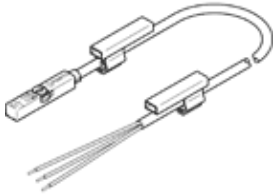
proximity sensor SMT-8M-A-PS-24V-E-2,5-OE

Part number: 574335

★ Core product range

Magnetic, contactless, for T-slot.

FESTO



Data sheet

| Feature | values |
|--|--|
| Design | for T-slot |
| Based on the standard | EN 60947-5-2 |
| Authorisation | RCM Mark c UL us - Listed (OL) |
| CE mark (see declaration of conformity) | to EU directive for EMC |
| Special characteristics | Oil resistant |
| Materials note | Free of copper and PTFE Conforms to RoHS Halogen-free |
| Measured variable | Position |
| Measuring principle | Magneto-resistive |
| Ambient temperature | -40 ... 85 °C |
| Switch output | PNP |
| Switching element function | Normally open contact |
| Switching output repetition accuracy in ± mm | 0.1 mm |
| Switch-on time | ≤ 1.3 ms |
| Switch-off time | ≤ 1.4 ms |
| Max. switching frequency | 180 Hz |
| Max. output current | 100 mA |
| Max. output current in mounting kits | 100 mA |
| Max. contact rating DC | 2.8 W |
| Max. switching capacity DC in mounting kits | 2.8 W |
| Voltage drop | < 1.5 V |
| Short circuit strength | Yes |
| Overload withstand capability | Available |
| Nominal operating voltage DC | 24 V |
| Operating voltage range DC | 5 ... 30 V |
| Polarity protected | for all electrical connections |
| Electrical connection | Cable 3-core |
| Connector exit direction | axial |
| Test conditions of cable | Bending strength according to Festo standard Test conditions on request Chain link trunking: 5 million cycles, bending radius 28 mm Torsion resistance: > 300,000 cycles, ±270°/0.1 m |
| Cable length | 2.5 m |
| Cable attribute | Energy chain + robot |
| Cable sheath colour | Grey |
| Materials information, cable sheaths | TPE-U(PUR) |
| Mounting type | Tightened Insertable in slot from above |
| Max. tightening torque | 0.6 Nm |
| Assembly position | Any |
| Product weight | 29.1 g |

| Feature | values |
|--|--|
| Housing colour | Black |
| Materials information, housing | PA-reinforced High alloy steel, non-corrosive |
| Operating status display | Yellow LED |
| Operating reserve display | LED orange |
| Ambient temperature with flexible cable installation | -20 ... 85 °C |
| Protection class | IP65 IP68 IP69K |