

proximity sensor

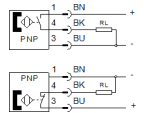
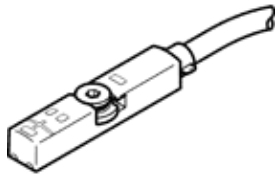
SMT-8M-A-PSO-24V-E-0,3-M8D

Part number: 574344
Product to be discontinued

Magnetic, contactless, for T-slot.

Type to be discontinued. Available until 2023. See Support Portal for alternative products.

FESTO



Data sheet

| Feature | Value |
|--|--|
| 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 in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| KC mark | KC-EMV |
| Certificate issuing department | UL E232949 |
| Special characteristics | Oil resistant |
| Materials note | Conforms to RoHS Halogen-free |
| Instructions for use | Support / Actuator-sensor overview "The right sensor for the actuator" |
| Measured variable | Position |
| Measuring principle | Magneto-resistive |
| Ambient temperature | -40 ... 85 °C |
| Repetition accuracy | 0.2 mm |
| Switch output | PNP |
| Switching element function | N/C or N/O contact, switchable |
| Switch-on time | ≤ 1 ms |
| Switch-off time | ≤ 1 ms |
| Max. switching frequency | 180 Hz |
| Max. output current | 100 mA |
| Max. output current in mounting kits | 100 mA |
| Max. contact rating DC | 2.7 W |
| Max. switching capacity DC in mounting kits | 2.7 W |
| Voltage drop | < 2.5 V |
| Short circuit strength | Yes |
| Overload withstand capability | Available |
| Nominal operating voltage DC | 24 V |
| Operating voltage range DC | 7 ... 30 V |
| Polarity protected | for all electrical connections |
| Electrical connection 1, connection type | Cable with plug |
| Electrical connection 1, connection technology | M8x1, A-coded to EN 61076-2-104 |
| Electrical connection 1, number of pins/wires | 3 |
| Electrical connection 1, type of mounting | Screw lock |
| 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 |

| Feature | Value |
|--|--|
| Cable length | 0.3 m |
| Cable attribute | Energy chain + robot |
| Cable sheath colour | Grey |
| Material cable sheath | TPE-U(PUR) |
| Mounting type | Tightened Insertable in slot from above |
| Max. tightening torque | 0.6 Nm |
| Assembly position | Any |
| Product weight | 9 g |
| Housing colour | Black |
| Material housing | Nickel-plated brass PA-reinforced High alloy steel, non-corrosive |
| Operating status display | Yellow LED (for normally open contact) / White LED (for normally closed contact) |
| Ambient temperature with flexible cable installation | -20 ... 85 °C |
| Protection class | IP65 IP68 IP69K |
| PWIS conformity | VDMA24364-B2-L |
| Cleanroom class | ISO class 4 |