



## Proximity sensor SMT-8M-A-PS-24V- E-0,3-M8D 574334

URL:<https://www.sxplc.com/proximity-sensor-smt-8m-a-ps-24v-e-0-3-m8d-574334>

### Product data sheet

- Designfor T-slot
- Based on normEN 60947-5-2
- Symbol00991153
- CertificationRCM 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 instructions for EMC To UK RoHS instructions
- Certificate issuing authorityUL E232949
- Special featuresOil-resistant
- Note on materialsRoHS-compliant Halogen-free
- Application note<https://www.festo.com/Drive-Sensor-Overview>
- Measured variablePosition
- Measuring principleMagneto-resistive
- Ambient temperature-40 °C ... 85 °C
- Repetition accuracy0.2 mm
- Switching outputPNP
- Switching element functionN/O contact
- On time $\leq 1.3$  ms

- Switch-off time  $\leq 7.3$  ms
- Max. switching frequency 130 Hz
- Max. output current 100 mA
- Max. output current in mounting kits 100 mA
- Max. switching capacity DC 2.8 W
- Max. switching capacity DC in mounting kits 2.8 W
- Voltage drop  $< 1.5$  V
- Short-circuit protection yes
- Overload protection Available
- Rated operating voltage DC 24 V
- DC operating voltage range 5 V ... 30 V
- Reverse polarity protection for all electrical connections
- Electrical connection 1, connection type Cable with plug
- Electrical connection 1, connection technology M8x1 A-coded as per EN 61076-2-104
- Electrical connection 1, number of pins/wires 3
- Electrical connection 1, type of mounting Screw-type lock
- Electrical connection for input 1, connection pattern 00991155
- Connection outlet orientation Longitudinal
- Connector cable test conditions Flexural strength: as per Festo standard Test conditions on request Torsional resistance:  $> 300\,000$  cycles,  $\pm 270^\circ/0.1$  m Energy chain  $> 5$  million cycles, bending radius 28 mm
- Cable length 0.3 m
- Cable characteristic Suitable for energy chains/robot applications
- Color cable sheath Gray
- Material of cable sheath TPE-U(PUR)
- Type of mounting Screwed tightly Can be inserted in slot from above
- Max. tightening torque 0.6 Nm
- Mounting position Any
- Product weight 8.9 g
- Housing colour Black

- Housing materialBrass, nickel-plated PA-reinforced High-alloy stainless steel
  - Switching status indicationLED yellow
  - Function reserve indicationLED orange
  - Ambient temperature with flexible cable installation-20 °C ... 85 °C
  - Degree of protectionIP65 IP68 IP69K
  - LABS (PWIS) conformityVDMA24364-B2-L
  - Suitability for the production of Li-ion batteriesMetals with more than 1% by mass of 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 classClass 4 according to ISO 14644-1
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