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 notehttps://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≤1.3 ms
- Switch-off time≤7.3 ms

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- Max. switching frequency130 Hz
- Max. output current100 mA
- Max. output current in mounting kits100 mA
- Max. switching capacity DC2.8 W
- Max. switching capacity DC in mounting kits2.8 W
- Voltage drop<1.5 V
- Short-circuit protectionyes
- Overload protectionAvailable
- Rated operating voltage DC24 V
- DC operating voltage range5 V ... 30 V
- Reverse polarity protection all electrical connections
- Electrical connection 1, connection typeCable with plug
- Electrical connection 1, connection technologyM8x1 A-coded as per EN 61076-2-104
- Electrical connection 1, number of pins/wires3
- Electrical connection 1, type of mountingScrew-type lock
- Electrical connection for input 1, connection pattern00991155
- Connection outlet orientationLongitudinal
- Connector cable test conditionsFlexural strength: as per 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 length0.3 m
- Cable characteristicSuitable for energy chains/robot applications
- Color cable sheathGray
- Material of cable sheathTPE-U(PUR)
- Type of mountingScrewed tightly Can be inserted in slot from above
- Max. tightening torque0.6 Nm
- Mounting positionAny
- Product weight8.9 g
- Housing colourBlack
- Housing materialBrass, nickel-plated PA-reinforced High-alloy stainless steel

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- 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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