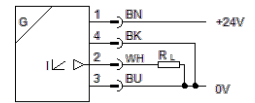
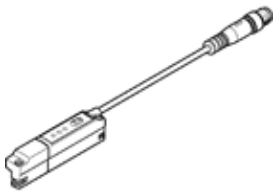


position transmitter SDAP-MHS-M50-1L-A-E-0.3-M8

Part number: 8050120

FESTO



Data sheet

| Feature | Value |
|--|--|
| Design | for T-slot |
| Authorisation | RCM Mark c UL us - Listed (OL) |
| CE mark (see declaration of conformity) | to EU directive for EMC |
| KC mark | KC-EMV |
| Materials note | Conforms to RoHS Halogen-free |
| Measured variable | Position |
| Measuring principle | Hall magnetic |
| Sensing range | 0 ... 50 mm |
| Ambient temperature | -25 ... 70 °C |
| Typical scanning interval | 1 ms |
| Max. travel speed | 3 m/s |
| Travel resolution | 0.05 mm |
| Analogue output | 4 - 20 mA |
| Sensitivity, current output | 0.32 mA/mm |
| Typical linearity error in ± mm | ±0,25 mm |
| Max. load resistance, current output | 500 Ohm |
| Short circuit strength | Yes |
| Overload withstand capability | Available |
| Operating voltage range DC | 15 ... 30 V |
| Residual ripple | 10 % |
| 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 | 4 |
| Electrical connection 1, type of mounting | Screw lock |
| Connector exit direction | axial |
| Material electrical contact | Copper alloy Gold plated |
| Test conditions of cable | Bending strength according to Festo standard Chain link trunking: 5 million cycles, bending radius 28 mm Torsion resistance: > 300,000 cycles, ±270°/0.1 m |
| 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 |
| Assembly position | Any |
| Product weight | 19 g |
| Material housing | Nickel-plated brass PA-reinforced Polyester High alloy steel, non-corrosive |
| Material of union nut | Nickel-plated brass |

| Feature | Value |
|--|---------------|
| Material foil | Polyester |
| Ready status display | Green LED |
| Status display | Red LED |
| Ambient temperature with flexible cable installation | -20 ... 70 °C |
| Protection class | IP65 IP68 |