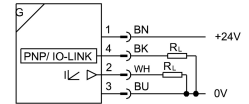


Position transmitter SDAP-MHS-M100-1L-A-E-0.3-M8

Part number: 8050121

FESTO



Data sheet

| Feature | Value |
|--|---|
| Design | For T-slot |
| Approval | RCM trademark c UL us listed (OL) |
| CE mark (see declaration of conformity) | To EU EMC Directive In accordance with EU RoHS Directive |
| CE marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| Note on materials | RoHS-compliant Free of halogen |
| Measured variable | Position |
| Measuring principle | Magnetic Hall |
| Sensing range | 0 mm...100 mm |
| Ambient temperature | -25 °C...70 °C |
| Typical sampling interval | 1 ms |
| Max. travel speed | 3 m/s |
| Displacement resolution | 0.05 mm |
| Analogue output | 4 - 20 mA |
| Sensitivity | 0.16 mA/mm |
| Typical linearity error | ±0.25 mm |
| Max. load resistance current output | 500 Ohm |
| Short circuit current rating | yes |
| Overload protection | Available |
| Operational voltage range DC | 15 V...30 V |
| Residual ripple | 10 % |
| Reverse polarity protection | For all electrical connections |
| Electrical connection 1, connection type | Cable with plug |
| Electrical connection 1, connector system | M8x1, A-coded, to EN 61076-2-104 |
| Electrical connection 1, number of connections/cores | 4 |
| Electrical connection 1, type of mounting | Screw-type lock |
| Connection outlet orientation | In-line |
| Material electrical contact | Gold-plated copper alloy |

| Feature | Value |
|---------------------------------------|---|
| Test conditions cable | Bending strength: to Festo standard Torsional resistance: > 300,000 cycles, ± 270°/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 |
| Cable sheath colour | grey |
| Material cable sheath | TPE-U(PUR) |
| Type of mounting | Screw-clamped Insertable in the slot from above |
| Mounting position | optional |
| Product weight | 26 g |
| Material housing | Brass, nickel-plated PA-reinforced Polyester High-alloy stainless steel |
| Material union nut | Nickel-plated brass |
| Material foil | Polyester |
| Ready status indication | Green LED |
| Status indication | Red LED |
| Ambient temperature with moving cable | -20 °C...70 °C |
| Degree of protection | IP65 IP68 |
| LABS (PWIS) conformity | VDMA24364-B2-L |