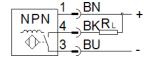
proximity sensor SIES-8M-NS-24V-K-10-M8D Part number: 551400

FESTO

inductive, cable with plug, can be flush-mounted, N/O function





Data sheet

| Feature | Value |
|--|--|
| Design | for T-slot |
| Conforms to 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 |
| KC mark | KC-EMV |
| Materials note | Conforms to RoHS |
| Measured variable | Position |
| Measuring principle | Inductive |
| Nominal switching distance | 1.5 mm |
| Reduction factors | Aluminium = 0.62 |
| | Stainless steel V2A = 0.95 |
| | Copper = 0.6 |
| | Brass = 0.72 |
| | Steel, St 37 = 1.0 |
| Ambient temperature | -25 70 °C |
| Repetition accuracy for constant conditions | <= 0.05 mm, approach from the side |
| Switch output | NPN |
| Switching element function | Normally open contact |
| Switch-on time | <= 0.000 ms |
| Max. switching frequency | 4,500 Hz |
| Max. output current | 150 mA |
| Max. contact rating DC | 4.5 W |
| Voltage drop | <= 2 V |
| Inductive protective circuit | Integrated |
| Minimum load current | 0 mA |
| Residual current | <= 0.01 mA |
| Short circuit strength | Pulsing |
| Overload withstand capability | Available |
| Operating voltage range DC | 10 30 V |
| Residual ripple | 10 % |
| Idle current | <= 10 mA |
| 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 |
| Material electrical contact | Brass, gold-plated |
| Test conditions of cable | Bending strength according to Festo standard |
| | Test conditions on request |
| | Energy chain: > 5 million cycles, bending radius 75 mm |
| Cable length | 10 m |



| Feature | Value | |
|--|-------------------------------------|--|
| Cable attribute | Standard/suitable for energy chains | |
| Cable sheath colour | Grey | |
| Material cable sheath | TPE-U(PU) | |
| Material insulation | PP | |
| Size | Slot 8 | |
| Mounting type | flush with T-slot | |
| | Tightened | |
| | Insertable in slot from above | |
| Tightening torque | 0.6 Nm | |
| Assembly position | Any | |
| Type of installation | flush | |
| Housing colour | Black | |
| Material housing | Nickel-plated brass | |
| | PA | |
| | PUR | |
| | High alloy steel, non-corrosive | |
| Operating status display | Yellow LED | |
| Ambient temperature with flexible cable installation | -5 70 °C | |
| Protection class | IP65 | |
| | IP67 | |
| Insulation voltage | 50 V | |
| Surge strength | 0.8 kV | |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress | |
| PWIS conformity | VDMA24364-B2-L | |
| Cleanroom class | ISO class 4 | |
| Degree of contamination | 3 | |