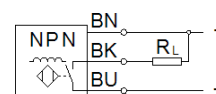


proximity sensor SIES-8M-NS-24V-K-7,5-OE

Part number: 551396

FESTO

inductive, with cable, 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 |
| Electrical connection 1, connection technology | Open end |
| Electrical connection 1, number of pins/wires | 3 |
| Connector exit direction | axial |
| 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 | 7.5 m |
| Cable attribute | Standard/suitable for energy chains |
| Cable sheath colour | Grey |

| Feature | Value |
|--|---|
| 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 | 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 | 3 - High corrosion stress |
| PWIS conformity | VDMA24364-B2-L |
| RSBP classification to CD-0033 | F1a |
| Cleanroom class | ISO class 4 |
| Degree of contamination | 3 |