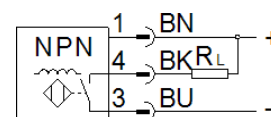


# proximity sensor SIES-8M-NS-24V-K-10-M8D

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<br>c UL us - Listed (OL)   |
| CE mark (see declaration of conformity)     | to EU directive for EMC   |
| KC mark                                     | KC-EMV  |
| Materials note                              | Free of copper and PTFE<br>Conforms to RoHS   |
| Nominal switching distance                  | 1.5 mm  |
| Reduction factors                           | Aluminium = 0.62<br>Stainless steel V2A = 0.95<br>Copper = 0.6<br>Brass = 0.72<br>Steel, St 37 = 1.0                                      |
| Ambient temperature                         | -25 ... 70 °C   |
| Repetition accuracy for constant conditions | ≤ 0.05 mm, approach from the side   |
| Switching output                            | NPN   |
| Switching element function                  | Normally open contact   |
| Max. switching frequency                    | 4,500 Hz  |
| Max. output current                         | 150 mA  |
| Short circuit strength                      | Pulsing   |
| Operating voltage range DC                  | 10 ... 30 V   |
| Idle current                                | ≤ 10 mA   |
| Polarity protected                          | for all electrical connections  |
| Electrical connection                       | 3-pin<br>Cable with plug<br>M8x1<br>Turnable threads  |
| Connector exit direction                    | axial   |
| Test conditions of cable                    | Bending strength according to Festo standard<br>Test conditions on request<br>Chain link trunking: 5 million cycles, bending radius 75 mm |
| Cable length                                | 10 m  |
| Cable attribute                             | Standard + chain link trunking  |
| Material cable sheath                       | TPE-U(PU)   |
| Size  | Slot 8  |
| Mounting type                               | flush with T-slot<br>Tightened<br>Insertable in slot from above   |
| Material housing                            | Nickel-plated brass<br>PA<br>PUR<br>High alloy steel, non-corrosive   |
| Operating status display                    | Yellow LED  |

| Feature  | Value        |
|--|--------------|
| Ambient temperature with flexible cable installation | -5 ... 70 °C |
| Protection class                                     | IP65<br>IP67 |
| Insulation voltage                                   | 50 V         |
| Surge strength                                       | 0.8 kV       |
| Degree of contamination                              | 3            |