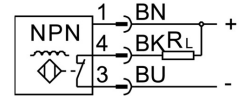


Proximity sensor SIES-8M-NO-24V-K-10-M8D

Part number: 551405

FESTO



Data sheet

| Feature | Value |
|---|---|
| Type code | SIES |
| Design | for T-slot |
| Conforms to standard | EN 60947-5-2 |
| Symbol | 00991645 |
| Certification | RCM compliance mark c UL us - Listed (OL) |
| CE marking (see declaration of conformity) | As per EU EMC directive |
| KC characters | KC EMC |
| Note on materials | Free of copper and PTFE RoHS-compliant |
| Rated operating distance | 1.5 mm |
| Reduction factors | Aluminum = 0.62 Stainless steel V2A = 0.95 Copper = 0.6 Brass = 0.72 Steel St 37 = 1.0 |
| Ambient temperature | -25 °C ... 70 °C |
| Repetition accuracy under constant conditions | ≤ 0.05 mm, approach from the side |
| Switching output | NPN |
| Switching element function | N/C contact |
| Max. switching frequency | 4500 Hz |
| Max. output current | 150 mA |
| Short-circuit protection | Pulsed |
| DC operating voltage range | 10 V ... 30 V |
| Idle current | ≤ 10 mA |
| Reverse polarity protection | for all electrical connections |
| Electrical connection | 3-pin Cable with plug M8x1 Rotatable thread |
| Electrical connection 1, connection type | Cable with plug |
| Electrical connection 1, connection technology | M8x1 A-coded as per EN 61076-2-104 |
| Electrical connection 1, number of pins/wires | 3 |
| Electrical connection 1, type of mounting | Screw-type lock |
| Electrical connection for input 1, connection pattern | 00991155 |
| Connection outlet orientation | Longitudinal |
| Connector cable test conditions | Flexural strength: as per Festo standard Test conditions on request Cable chain: 5 million cycles, bending radius 75 mm |

| Feature | Value |
|--|--|
| Cable length | 10 m |
| Cable characteristic | Standard + cable chain |
| Material of cable sheath | TPE-U(PU) |
| Size | Slot 8 |
| Type of mounting | Flush with T-slot Screwed tightly Can be inserted in slot from above |
| Housing material | Brass, nickel-plated PA PUR High-alloy stainless steel |
| Switching status indication | LED yellow |
| Ambient temperature with flexible cable installation | -5 °C ... 70 °C |
| Degree of protection | IP65 IP67 |
| Insulation voltage | 50 V |
| Surge resistance | 0.8 kV |
| Contamination level | 3 |
| Selection of additional sensor information | For T-slot |
| Electrical output | NPN |
| Selection of sensor version | Special design |