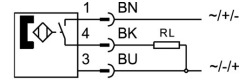


Proximity sensor SME-10M-DS-24V-E-0,3-Q-M8D

Part number: 551368

FESTO



Data sheet

| Feature | Value |
|--|--|
| Design | For C-slot |
| Conforms to standard | EN 60947-5-2 |
| Symbol | 00991619 |
| Approval | RCM trademark |
| 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 |
| Special characteristics | Oil resistant |
| Note on materials | RoHS-compliant Free of halogen |
| Instructions on use | Support / actuator-sensor overview "The right sensor for the actuator" |
| Measured variable | Position |
| Measuring principle | Magnetic reed |
| Ambient temperature | -40 °C ... 70 °C |
| Repetition accuracy | 0.2 mm |
| Switching output | Contacting, bipolar |
| Switching element function | N/O contact |
| Switch-on time | ≤1.2 ms |
| Switch-off time | ≤1 ms |
| Max. switching frequency | 50 Hz |
| Max. output current | 300 mA |
| Max. output current using mounting kits | 50 mA |
| Max. switching capacity AC | 9 VA |
| Max. switching capacity DC | 9 W |
| Max. switching capacity DC using mounting kits | 1.5 W |
| Max. switching capacity AC using mounting kits | 1.5 VA |
| Voltage drop | ≤1.5 V |
| Short circuit current rating | no |
| Overload protection | Not available |
| Rated operational voltage DC | 24 V |
| Operational voltage range AC | 5 V ... 30 V |
| Operational voltage range DC | 5 V ... 30 V |
| Reverse polarity protection | no |
| Electrical connection 1, connection type | Cable with plug |
| Electrical connection 1, connector system | M8x1, A-coded, to EN 61076-2-104 |

| Feature | Value |
|--|---|
| Electrical connection 1, number of connections/cores | 3 |
| Electrical connection 1, type of mounting | Screw-type lock |
| Electrical connection 1, connection pattern | 00991155 |
| Connection outlet orientation | Lateral |
| Test conditions cable | Bending strength: to Festo standard Test conditions on request Cable chain > 5 million cycles, bending radius 28 mm Torsional resistance: > 300,000 cycles, ± 270°/0.1 m |
| Cable length | 0.3 m |
| Cable characteristic | Suitable for energy chains/robot applications |
| Material cable sheath | TPE-U(PUR) |
| Type of mounting | Screw-clamped Insertable in the slot from above |
| Max. tightening torque | 0.4 Nm |
| Mounting position | optional |
| Product weight | 6.7 g |
| Material housing | PA-reinforced High-alloy stainless steel |
| Switching status indication | Yellow LED |
| Ambient temperature with moving cable | -20 °C ... 70 °C |
| Degree of protection | IP65 IP68 |
| LABS (PWIS) conformity | VDMA24364-B2-L |