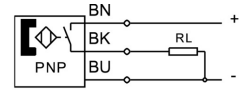


Proximity sensor SMT-10M-PS-24V-E-2,5-Q-OE

Part number: 551374

FESTO



Data sheet

| Feature | Value |
|------------------------------------------------|-----------------------------------------------------------|
| Type code | SMT |
| Electrical connection 1, connection technology | Open end |
| Electrical connection 1, connection type | Cable |
| KC characters | KC EMC |
| Repetition accuracy | 0.2 mm |
| Electrical connection 1, number of pins/wires | 3 |
| Design | for round slot |
| Conforms to standard | EN 60947-5-2 |
| Symbol | 00991152 |
| Certification | RCM compliance mark |
| CE marking (see declaration of conformity) | As per EU EMC directive |
| Special features | Oil-resistant |
| Note on materials | Halogen-free Free of copper and PTFE RoHS-compliant |
| Measured variable | Position |
| Measuring principle | Magneto-resistive |
| Ambient temperature | -40 °C ... 70 °C |
| Switching output | PNP |
| Switching element function | N/O contact |
| On time | ≤1.3 ms |
| Switch-off time | ≤1.4 ms |
| Max. switching frequency | 150 Hz |
| Max. output current | 100 mA |
| Max. output current in mounting kits | 50 mA |
| Max. switching capacity DC | 2.8 W |
| Max. switching capacity DC in mounting kits | 1.5 W |
| Voltage drop | ≤1.7 V |
| Short-circuit protection | yes |
| Overload protection | Available |
| Rated operating voltage DC | 24 V |
| DC operating voltage range | 5 V ... 30 V |
| Reverse polarity protection | for all electrical connections |
| Connection outlet orientation | Transverse |

| Feature | Value |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connector cable test conditions | Cable chain: 5 million cycles, bending radius 28 mm Flexural strength: as per Festo standard Torsional resistance: > 300 000 cycles, ±270°/0.1 m Test conditions on request |
| Cable length | 2.5 m |
| Cable characteristic | Suitability for energy chains/robot applications |
| Material of cable sheath | TPE-U(PUR) |
| Type of mounting | Screwed tightly Can be inserted in slot from above |
| Max. tightening torque | 0.4 Nm |
| Mounting position | Any |
| Product weight | 16.8 g |
| Housing material | High-alloy stainless steel PA-reinforced |
| Switching status indication | LED yellow |
| Ambient temperature with flexible cable installation | -20 °C ... 70 °C |
| Degree of protection | IP68 IP65 |