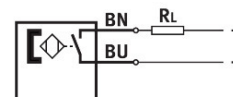


Proximity switch

SDBT-MSB-1L-ZU-K-2-LE

Part number: 8150173

FESTO



Data sheet

| Feature | Value |
|--|---|
| Design | For T-slot |
| Conforms to standard | EN 60947-5-2 |
| Approval | RCM trademark |
| CE mark (see declaration of conformity) | To EU EMC Directive In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| KC mark | KC-EMV |
| Special characteristics | Oil resistant |
| Note on materials | RoHS-compliant Free of halogen Free of copper |
| Measured variable | Position |
| Measuring principle | Magneto-resistive |
| Ambient temperature | -20 °C...70 °C |
| Repetition accuracy | 0.2 mm |
| Switching output | Non-contacting, 2-wire |
| Switching element function | N/O contact |
| Switch-on time | 2.5 ms |
| Switch-off time | 2.5 ms |
| Max. switching frequency | 480 Hz |
| Max. output current | 50 mA |
| Max. switching capacity DC | 1.4 W |
| Voltage drop | 2.8 V |
| Short circuit current rating | no |
| Overload protection | Not available |
| Rated operational voltage DC | 24 V |
| Operational voltage range DC | 10 V...28 V |
| Reverse polarity protection | no |
| Electrical connection 1, connection type | Cable |
| Electrical connection 1, connector system | Open end |
| Electrical connection 1, number of connections/cores | 2 |

| Feature | Value |
|--|--|
| Connection outlet orientation | In-line |
| Cable length | 2 m |
| Cable characteristic | Standard Suitable for energy chains |
| Material cable sheath | PUR |
| Material insulating sheath | PP |
| Wire ends | Cut off bluntly |
| Type of mounting | Screw-clamped Insertable in the slot from above |
| Max. tightening torque | 0.3 Nm |
| Mounting position | optional |
| Product weight | 24 g |
| Material housing | PC |
| Material union nut | High-alloy stainless steel |
| Switching status indication | Yellow LED |
| Ambient temperature with moving cable | -20 °C...70 °C |
| Degree of protection | IP67 IP68 To IEC 60529 |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Suitability for the production of Li-ion batteries | Product corresponds to the internal product definition from Festo for use in battery production: Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils |
| Cleanroom class | Class 4 according to ISO 14644-1 |