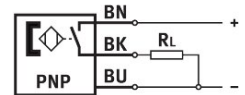


Proximity sensor SDBC-MSB-1L-PU-K-2-LE

Part number: 8139723

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|--|--|
| Design | For C-slot |
| Conforms to standard | EN 60947-5-2 |
| Symbol | 00991152 |
| Approval | RCM |
| CE mark (see declaration of conformity) | To EU EMC Directive In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions |
| KC mark | KC-EMV |
| Special characteristics | Oil-resistant |
| Note on materials | RoHS compliant Free of halogen Copper-free |
| Instructions on use | Cable flame-protected and flame-retardant as per UL Standard 758 Horizontal Flame Test, does not comply with fire protection to IEC 61010-1:2017, Edition 3.1, Section 9.3. |
| Variants | Metals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils. |
| Measured variable | Position |
| Measuring principle | Magneto-resistive |
| Ambient temperature | -20 °C ... 70 °C |
| Repetition accuracy | 0.2 mm |
| Switching output | PNP |
| 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 | 100 mA |
| Max. switching capacity DC | 3 W |
| Voltage drop | ≤0.5 V |
| Short circuit current rating | No |
| Overload protection | No |
| Rated operational voltage DC | 24 V |
| Operational voltage range DC | 10 V ... 30 V |
| Reverse polarity protection | For all electrical connections |
| Electrical connection 1, connection type | Cable |
| Electrical connection 1, connector system | Open end |

| Feature | Value |
|---|--|
| Electrical connection 1, number of connections/cores | 3 |
| Connection outlet orientation | In-line |
| Material screw-type lock | High-alloy stainless steel |
| 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 | 0.2 Nm |
| Mounting position | Any |
| Product weight | 18.5 g |
| Material housing | Makrolon® |
| 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 | Suitable for battery production with reduced Cu/Zn/Ni values (F1a) |
| Cleanroom suitability, measured according to ISO 14644-14 | Element installed statically, no meaningful evaluation possible according to ISO 14644-1 |