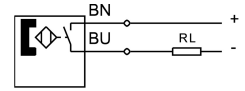
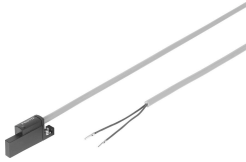


Proximity sensor SDBT-BSW-1L-ZU-W-5-N-LE

Part number: 2427617

FESTO



Data sheet

| Feature | Value |
|--|---|
| Design | for T-slot |
| Based on norm | EN 60947-5-2 |
| Certification | RCM compliance mark c UL us - Listed (OL) |
| CE marking (see declaration of conformity) | As per EU EMC directive As per EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| Special features | UV-resistant Oil-resistant Welding field resistant Resistant to welding spatter |
| Note on materials | RoHS-compliant |
| Application note | https://www.festo.com/Drive-Sensor-Overview |
| Measured variable | Position |
| Measuring principle | Magneto-resistive |
| Ambient temperature | -25 °C...85 °C |
| Max. travel speed | 1 m/s |
| Repetition accuracy | 0.2 mm |
| Switching output | Non-contact, 2-wire |
| Switching characteristics during the welding process | Output signal freezes |
| Switching element function | N/O contact |
| On time | 15 ms |
| Switch-off time | 25 ms |
| Max. switching frequency | 25 Hz |
| Max. output current | 80 mA |
| Max. output current in mounting kits | 80 mA |
| Max. switching capacity DC | 1.9 W |
| Max. switching capacity DC in mounting kits | 1.9 W |
| Voltage drop | 6 V |
| Inductive protective circuit | Adapted to MZ, MY and ME coils |
| Minimum load current | 2.4 mA |
| Residual current | 0.7 mA |

| Feature | Value |
|--|--|
| Short-circuit protection | yes |
| Overload protection | Available |
| Rated operating voltage DC | 24 V |
| DC operating voltage range | 10 V...30 V |
| Residual ripple | 10 % |
| Reverse polarity protection | for all electrical connections |
| Electrical connection 1, connection type | Cable |
| Electrical connection 1, connection technology | Open end |
| Electrical connection 1, number of pins/wires | 2 |
| Connection outlet orientation | Longitudinal |
| Connector cable test conditions | Flexural strength: as per Festo standard Test conditions on request |
| Cable length | 5 m |
| Cable characteristic | Resistant to welding spatter |
| Color cable sheath | Gray |
| Material of cable sheath | PVC, cross-linked by irradiation |
| Insulating sheath material | PVC |
| Wire ends | Cable end sleeve |
| Type of mounting | Screwed tightly Can be inserted in slot from above |
| Max. tightening torque | 0.6 Nm |
| Mounting position | Any |
| Product weight | 116.9 g |
| Housing colour | Black |
| Housing material | Epoxy resin PA-reinforced High-alloy stainless steel |
| Switching status indication | LED yellow |
| Function reserve indication | LED orange |
| Ambient temperature with flexible cable installation | -5 °C...80 °C |
| Degree of protection | IP65 IP68 |
| Resistance to interference from magnetic fields | Insensitive to AC magnetic fields (50...60 Hz) < 160 mT Due to design, insensitive to permanent magnetic fields < Bon |
| LABS (PWIS) conformity | VDMA24364-B2-L |