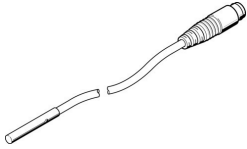


Proximity sensor SIEH-3B-PS-S-L

Part number: 538263

FESTO



[General operating condition](#)

Data sheet

| Feature | Value |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Design | Round |
| Conforms to standard | EN 60947-5-2 |
| Symbol | 00991701 |
| Approval | RCM trademark c UL us listed (OL) |
| CE mark (see declaration of conformity) | To EU EMC Directive In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | according to UK RoHS instructions (UK-R) |
| Measuring principle | Inductive |
| Rated operating distance | 1 mm |
| Assured operating distance | 0.81 mm |
| Reduction factors | Aluminium = 0.5 Stainless steel St 18/8 = 0.8 Copper = 0.45 Brass = 0.6 Steel St 37 = 1.0 |
| Ambient temperature | -25 °C ... 70 °C |
| Repetition accuracy | 0.02 mm |
| Switching output | PNP |
| Switching element function | N/O contact |
| Hysteresis | ≤0.12 mm |
| Switch-on time | 0.02 ms |
| Max. switching frequency DC | 3000 Hz |
| Max. output current | 100 mA |
| Voltage drop | ≤2 V |
| Inductive protective circuit | Integrated Output current < 100 mA And switching frequency < 10 Hz |
| Off-state current | ≤0.1 mA |
| Short circuit current rating | Pulsed |
| Operational voltage range DC | 10 V ... 30 V |
| Residual ripple | 20% |
| No-load supply current | ≤10 mA |
| Reverse polarity protection | For all electrical connections |
| Electrical connection 1, connection type | Cable with plug |
| Electrical connection 1, connector system | M8x1, A-coded, to EN 61076-2-104 |
| Electrical connection 1, number of connections/cores | 3 |
| Electrical connection 1, type of mounting | Not rotatable |

| Feature | Value |
|------------------------------------------------------|----------------------------------------------------------------------------|
| Electrical connection 1, compatible type of mounting | Compatible with latching lock Compatible with rotatable screw-type lock |
| Cable length | 0.15 m |
| Material cable sheath | TPE-U(PUR) |
| Material insulating sheath | PVC |
| Size | 3 mm |
| Type of mounting | Clamped |
| Mounting type | Flush |
| Product weight | 4 g |
| Material housing | High-alloy stainless steel |
| Switching status indication | Yellow LED |
| Ambient temperature with moving cable | -5 °C ... 70 °C |
| Degree of protection | IP67 |
| Corrosion resistance class CRC | 1 - Low corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Additional information for sensor selection | with increased sensing distance |
| Electrical output | PNP |
| Selection of sensor design | Standard |