

proximity sensor SIEH-3B-PS-K-L

Part number: 538264

FESTO

With cable, flush mounting



Data sheet

| Feature | Value |
|--|---|
| Design | Round |
| Conforms to standard | EN 60947-5-2 |
| Authorisation | RCM Mark c UL us - Listed (OL) |
| CE mark (see declaration of conformity) | to EU directive for EMC |
| Measuring principle | Inductive |
| Nominal switching distance | 1 mm |
| Guaranteed switching 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 ... 70 °C |
| Repetition accuracy | 0.02 mm |
| Switch output | PNP |
| Switching element function | Normally open contact |
| Hysteresis | ≤ 0.12 mm |
| Switch-on time | 0.02 ms |
| Max. switching frequency, DC | 3,000 Hz |
| Max. output current | 100 mA |
| Voltage drop | ≤ 2 V |
| Inductive protective circuit | Integrated output current < 100mA and switching frequency < 10Hz |
| Residual current | ≤ 0.1 mA |
| Short circuit strength | Pulsing |
| Operating voltage range DC | 10 ... 30 V |
| Residual ripple | 20 % |
| Idle current | ≤ 10 mA |
| Polarity protected | for all electrical connections |
| Electrical connection | 3-core Cable |
| Cable length | 2.5 m |
| Material cable sheath | TPE-U(PUR) |
| Material insulation | PVC |
| Size | 3 mm |
| Mounting type | Clamped |
| Type of installation | flush |
| Product weight | 18 g |
| Material housing | High alloy steel, non-corrosive |
| Operating status display | Yellow LED |
| Ambient temperature with flexible cable installation | -5 ... 70 °C |
| Protection class | IP67 |
| Corrosion resistance classification CRC | 4 - Very high corrosion stress |
| PWIS conformity | VDMA24364-B2-L |