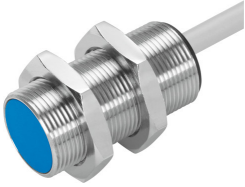


Proximity sensor SIEH-M18B-PS-K-L

Part number: 150458

FESTO



Data sheet

| Feature | Value |
|---|---|
| Conforms to standard | EN 60947-5-2 |
| Approval | RCM trademark c UL us listed (OL) |
| CE mark (see declaration of conformity) | To EU EMC Directive |
| Note on materials | RoHS-compliant |
| Rated operating distance | 8 mm |
| Assured operating distance | 6.48 mm |
| Reduction factors | Aluminium = 0.35 Stainless steel St 18/8 = 0.7 Copper = 0.3 Brass = 0.4 Steel St 37 = 1.0 |
| Ambient temperature | -25 °C...70 °C |
| Repetition accuracy | 0.4 mm |
| Switching output | PNP |
| Switching element function | N/O contact |
| Hysteresis | 0.88 mm |
| Max. switching frequency | 1500 Hz |
| Max. output current | 200 mA |
| Voltage drop | 2 V |
| 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 | 3-wire Cable |
| Cable length | 2.5 m |
| Material cable sheath | TPE-U(PUR) |
| Size | M18 |
| Type of mounting | Via lock nut |
| Tightening torque | 20 Nm |
| Mounting type | Flush |

| Feature | Value |
|---|---------------------------------|
| Product weight | 108 g |
| Material housing | Brass PBTP Nickel-plated |
| Switching status indication | Yellow LED |
| Ambient temperature with moving cable | -5 °C...70 °C |
| Degree of protection | IP67 |
| Immunity to surge | 0.8 kV |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Pollution degree | 3 |
| Additional information for sensor selection | with increased sensing distance |
| Electrical output | PNP |
| Selection of sensor design | Standard |