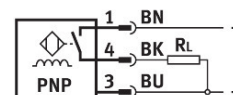


Proximity sensor SIEH-M12B-PS-S-L-CR

Part number: 538251

FESTO



Data sheet

| Feature | Value |
|--|--|
| Conforms to standard | EN 60947-5-2 |
| Certification | RCM compliance mark c UL us - Listed (OL) |
| CE marking (see declaration of conformity) | As per EU EMC directive |
| Rated operating distance | 6 mm |
| Assured operating distance | 4.86 mm |
| Reduction factors | Aluminum = 1.0 Stainless steel, 1 mm thick = 0.45 Stainless steel, 2 mm thick = 0.9 Copper = 0.85 Brass = 1.3 Steel St 37 = 1.0 |
| Ambient temperature | -25 °C...70 °C |
| Switching output | PNP |
| Switching element function | N/O contact |
| Reproducibility, switching value FS | 0.3 mm |
| Hysteresis | 0.73 mm |
| Max. switching frequency | 600 Hz |
| Max. output current | 200 mA |
| Voltage drop | 2 V |
| Inductive protective circuit | Installed Output current <100 mA and switching frequency < 10 Hz |
| Short-circuit protection | Pulsed |
| DC operating voltage range | 10 V...30 V |
| Residual ripple | 20 % |
| Idle current | 12 mA |
| Reverse polarity protection | for all electrical connections |
| Electrical connection | 3-pin M12x1 Plug |
| Size | M12 |
| Type of mounting | With lock nut |
| Mounting type | Flush |

| Feature | Value |
|--|-----------------------------------|
| Product weight | 28 g |
| Housing material | High-alloy steel |
| Switching status indication | LED yellow |
| Ambient temperature with flexible cable installation | -5 °C...70 °C |
| Degree of protection | IP67 IP69K |
| Resistance to sensor fitting pressure | 80 bar |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Selection of additional sensor information | With increased switching distance |
| Electrical output | PNP |
| Selection of sensor version | Fully stainless steel housing |