

# proximity sensor SIEN-6,5B-PS-S-L

Part number: 150379

FESTO

Inductive, with standard switching distance.



## Data sheet

| Feature  | values   |
|--|--|
| Conforms to standard                                 | EN 60947-5-2   |
| Authorisation  | RCM Mark<br>c UL us - Listed (OL)  |
| CE mark (see declaration of conformity)              | to EU directive for EMC  |
| Materials note                                       | Free of copper and PTFE  |
| Nominal switching distance                           | 1.5 mm   |
| Guaranteed switching distance                        | 1.21 mm  |
| Reduction factors                                    | Aluminium = 0.25<br>Stainless steel, St 18/8 = 0.7<br>Copper = 0.2<br>Brass = 0.35<br>Steel, St 37 = 1.0 |
| Ambient temperature                                  | -25 ... 70 °C  |
| Repetition accuracy for constant conditions          | 0,07 mm  |
| Switch output  | PNP  |
| Switching element function                           | Normally open contact  |
| Hysteresis   | <= 0.07 mm   |
| Max. switching frequency                             | 5,000 Hz   |
| Max. output current                                  | 200 mA   |
| Voltage drop   | <= 2 V   |
| Inductive protective circuit                         | Integrated   |
| Short circuit strength                               | Pulsing  |
| Operating voltage range DC                           | 10 ... 30 V  |
| Residual ripple                                      | ± 10%  |
| Idle current   | <= 10 mA   |
| Polarity protected                                   | for all electrical connections   |
| Electrical connection                                | Plug<br>M8x1<br>3-pin  |
| Size   | 6,5 mm   |
| Mounting type  | Clamped  |
| Type of installation                                 | flush  |
| Product weight                                       | 4 g  |
| Materials information, housing                       | Brass<br>PA<br>High alloy steel, non-corrosive<br>Chromed-plated   |
| Operating status display                             | Yellow LED   |
| Ambient temperature with flexible cable installation | -5 ... 70 °C   |
| Protection class                                     | IP65<br>IP67   |
| Corrosion resistance classification CRC              | 2 - Moderate corrosion stress  |