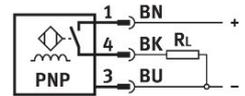
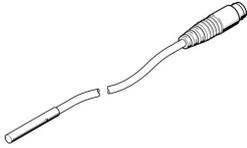


# Proximity sensor SIEH-3B-PS-S-L

Part number: 538263

FESTO



## Data sheet

| Feature                                 | Value   |
|---|---|
| Design                                  | Round   |
| Conforms to standard                    | EN 60947-5-2  |
| Approval                                | RCM trademark<br>c UL us listed (OL)  |
| CE mark (see declaration of conformity) | To EU EMC Directive   |
| Measuring principle                     | Inductive   |
| Rated operating distance                | 1 mm  |
| Assured operating distance              | 0.81 mm   |
| Reduction factors                       | Aluminium = 0.5<br>Stainless steel St 18/8 = 0.8<br>Copper = 0.45<br>Brass = 0.6<br>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<br>Output current < 100 mA<br>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                   | 3-pin<br>Cable with plug<br>M8x1  |

| <b>Feature</b>                              | <b>Value</b>                    |
|---|---------------------------------|
| 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                        |