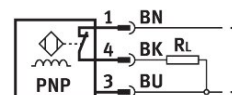


# Proximity sensor SIEN-4B-PO-S-L

Part number: 150367

FESTO



## Data sheet

| Feature                                        | Value                                                                                               |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Conforms to standard                           | EN 60947-5-2                                                                                        |
| Certification                                  | RCM compliance mark<br>c UL us - Listed (OL)                                                        |
| CE marking (see declaration of conformity)     | As per EU EMC directive<br>As per EU RoHS directive                                                 |
| UKCA marking (see declaration of conformity)   | according to UK regulations for EMC (UK-E)<br>according to UK RoHS regulations (UK-R)               |
| Rated operating distance                       | 0.8 mm                                                                                              |
| Assured operating distance                     | 0.64 mm                                                                                             |
| Reduction factors                              | Aluminum = 0.4<br>Stainless steel St 18/8 = 0.7<br>Copper = 0.3<br>Brass = 0.4<br>Steel St 37 = 1.0 |
| Ambient temperature                            | -25 °C...70 °C                                                                                      |
| Repetition accuracy                            | 0.04 mm                                                                                             |
| Switching output                               | PNP                                                                                                 |
| Switching element function                     | NC contact                                                                                          |
| Max. switching frequency                       | 3000 Hz                                                                                             |
| Max. switching frequency DC                    | 3000 Hz                                                                                             |
| Max. output current                            | 200 mA                                                                                              |
| Voltage drop                                   | 2 V                                                                                                 |
| Short-circuit protection                       | Pulsed                                                                                              |
| DC operating voltage range                     | 10 V...30 V                                                                                         |
| Residual ripple                                | 10%                                                                                                 |
| Idle current                                   | 10 mA                                                                                               |
| Reverse polarity protection                    | for all electrical connections                                                                      |
| Electrical connection 1, connection type       | Plug                                                                                                |
| Electrical connection 1, connection technology | M8x1 A-coded as per EN 61076-2-104                                                                  |
| Electrical connection 1, number of pins/wires  | 3                                                                                                   |
| Electrical connection 1, type of mounting      | Snap-locking<br>Screw-type lock<br>not rotatable<br>Compatible with snap-locking                    |

| Feature                                    | Value                                     |
|--------------------------------------------|-------------------------------------------|
|                                            | Compatible with rotatable screw-type lock |
| Size                                       | 4 mm                                      |
| Type of mounting                           | Clamped                                   |
| Mounting type                              | Flush                                     |
| Product weight                             | 9 g                                       |
| Housing material                           | high-alloy stainless steel                |
| Switching status indication                | Yellow LED                                |
| Degree of protection                       | IP67                                      |
| LABS (PWIS) conformity                     | VDMA24364-B2-L                            |
| Selection of additional sensor information | With standard switching distance          |
| Electrical output                          | PNP                                       |
| Selection of sensor version                | Standard                                  |