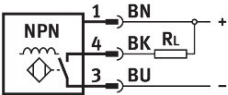


# Proximity sensor SIEN-4B-NS-S-L

Part number: 150361

FESTO



## Data sheet

| Feature                                              | Value                                                                                                |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| 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<br>In accordance with EU RoHS Directive                                          |
| UKCA marking (see declaration of conformity)         | according to UK instructions for EMC (UK-E)<br>according to UK RoHS instructions (UK-R)              |
| Rated operating distance                             | 0.8 mm                                                                                               |
| Assured operating distance                           | 0.64 mm                                                                                              |
| Reduction factors                                    | Aluminium = 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                                     | NPN                                                                                                  |
| Switching element function                           | N/O contact                                                                                          |
| Max. switching frequency                             | 3000 Hz                                                                                              |
| Max. switching frequency DC                          | 3000 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                                      | 10 %                                                                                                 |
| No-load supply current                               | 10 mA                                                                                                |
| Reverse polarity protection                          | For all electrical connections                                                                       |
| Electrical connection 1, connection type             | Plugs                                                                                                |
| Electrical connection 1, connector system            | M8x1, A-coded, to EN 61076-2-104                                                                     |
| Electrical connection 1, number of connections/cores | 3                                                                                                    |
| Electrical connection 1, type of mounting            | Snap-locking<br>Screw-type lock<br>Not rotatable                                                     |

| Feature                                              | Value                                                                      |
|------------------------------------------------------|----------------------------------------------------------------------------|
| Electrical connection 1, compatible type of mounting | Compatible with latching lock<br>Compatible with rotatable screw-type lock |
| Size                                                 | 4 mm                                                                       |
| Type of mounting                                     | Clamped                                                                    |
| Mounting type                                        | Flush                                                                      |
| Product weight                                       | 9 g                                                                        |
| Material housing                                     | High-alloy stainless steel                                                 |
| Switching status indication                          | Yellow LED                                                                 |
| Degree of protection                                 | IP67                                                                       |
| LABS (PWIS) conformity                               | VDMA24364-B2-L                                                             |
| Additional information for sensor selection          | with standard sensing distance                                             |
| Electrical output                                    | NPN                                                                        |
| Selection of sensor design                           | Standard                                                                   |