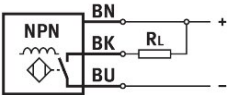


# Proximity sensor SIEN-M5B-NS-K-L

Part number: 150368

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) |
| Note on materials                                    | RoHS-compliant                                                                          |
| Rated operating distance                             | 0.8 mm                                                                                  |
| Ambient temperature                                  | -25 °C...70 °C                                                                          |
| Repetition accuracy with constant conditions         | 0.01 mm                                                                                 |
| Switching output                                     | NPN                                                                                     |
| Switching element function                           | N/O contact                                                                             |
| Max. switching frequency                             | 5000 Hz                                                                                 |
| Max. output current                                  | 200 mA                                                                                  |
| Short circuit current rating                         | Pulsed                                                                                  |
| Operational voltage range DC                         | 10 V...30 V                                                                             |
| Reverse polarity protection                          | For all electrical connections                                                          |
| Electrical connection 1, connection type             | Cable                                                                                   |
| Electrical connection 1, connector system            | Open end                                                                                |
| Electrical connection 1, number of connections/cores | 3                                                                                       |
| Cable length                                         | 2.5 m                                                                                   |
| Material cable sheath                                | TPE-U(PUR)                                                                              |
| Size                                                 | M5x0.5                                                                                  |
| Type of mounting                                     | Via lock nut                                                                            |
| Tightening torque                                    | 1.5 Nm                                                                                  |
| Mounting type                                        | Flush                                                                                   |
| Product weight                                       | 33.6 g                                                                                  |
| Material housing                                     | PA<br>High-alloy stainless steel                                                        |
| Switching status indication                          | Yellow LED                                                                              |
| Ambient temperature with moving cable                | -5 °C...70 °C                                                                           |

| Feature                                     | Value                          |
|---------------------------------------------|--------------------------------|
| Degree of protection                        | IP67                           |
| Immunity to surge                           | 1 kV                           |
| Corrosion resistance class CRC              | 4 - Very high corrosion stress |
| LABS (PWIS) conformity                      | VDMA24364-B2-L                 |
| Pollution degree                            | 3                              |
| Additional information for sensor selection | with standard sensing distance |
| Electrical output                           | NPN                            |
| Selection of sensor design                  | Standard                       |