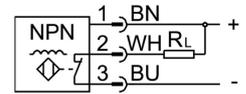


# Proximity sensor SIEH-M18B-NO-S-L

Part number: 150461

FESTO



## Data sheet

| Feature                                    | Value  |
|--|--|
| Type code                                  | SIEH   |
| Conforms to standard                       | EN 60947-5-2   |
| Symbol                                     | 00992831   |
| Certification                              | RCM compliance mark<br>c UL us - Listed (OL)   |
| CE marking (see declaration of conformity) | As per EU EMC directive  |
| Note on materials                          | Free of copper and PTFE<br>RoHS-compliant  |
| Rated operating distance                   | 8 mm   |
| Assured operating distance                 | 6.48 mm  |
| Reduction factors                          | Aluminum = 0.35<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                        | 0.4 mm   |
| Switching output                           | NPN  |
| Switching element function                 | N/C contact  |
| Hysteresis                                 | ≤0.88 mm   |
| Max. switching frequency                   | 1500 Hz  |
| Max. output current                        | 200 mA   |
| Voltage drop                               | ≤2 V   |
| Short-circuit protection                   | Pulsed   |
| DC operating voltage range                 | 10 V ... 30 V  |
| Residual ripple                            | +/- 20 %   |
| Idle current                               | ≤10 mA   |
| Reverse polarity protection                | for all electrical connections   |
| Electrical connection                      | 3-pin<br>M12x1<br>Plug   |
| Size                                       | M18  |
| Type of mounting                           | With lock nut  |
| Tightening torque                          | 20 Nm  |
| Mounting type                              | Flush  |
| Product weight                             | 43 g   |

| <b>Feature</b>                                       | <b>Value</b>                      |
|--|-----------------------------------|
| Housing material                                     | Brass<br>PBTP<br>Nickel-plated    |
| Switching status indication                          | LED yellow                        |
| Ambient temperature with flexible cable installation | -5 °C ... 70 °C                   |
| Degree of protection                                 | IP67                              |
| Surge resistance                                     | 0.8 kV                            |
| Contamination level                                  | 3                                 |
| Selection of additional sensor information           | With increased switching distance |
| Electrical output                                    | NPN                               |
| Selection of sensor version                          | Standard                          |