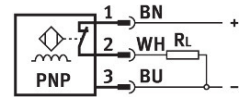


# Proximity sensor SIEH-M12B-PO-S-L

Part number: 150455

FESTO



[General operating condition](#)

## Data sheet

| Feature                                      | Value  |
|--|--|
| Conforms to standard                         | EN 60947-5-2   |
| Symbol                                       | 00992830   |
| Approval                                     | C-Tick<br>c UL us listed (OL)  |
| CE mark (see declaration of conformity)      | To EU EMC Directive  |
| Rated operating distance                     | 4 mm   |
| Assured operating distance                   | 3.24 mm  |
| Reduction factors                            | Aluminium = 0.4<br>Stainless steel St 18/8 = 0.8<br>Copper = 0.4<br>Brass = 0.5<br>Steel St 37 = 1.0 |
| Ambient temperature                          | -25 °C ... 70 °C   |
| Repetition accuracy with constant conditions | 0.2 mm   |
| Switching output                             | PNP  |
| Switching element function                   | N/C contact  |
| Hysteresis                                   | ≤0.36 mm   |
| Max. switching frequency                     | 2500 Hz  |
| Max. output current                          | 200 mA   |
| Voltage drop                                 | ≤2 V   |
| Inductive protective circuit                 | Integrated   |
| 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                        | 3-pin<br>M12x1<br>Plugs  |
| Size   | M12  |
| Type of mounting                             | Via lock nut   |
| Mounting type                                | Flush  |
| Product weight                               | 30 g   |
| Material housing                             | Brass<br>PBTP<br>Nickel-plated   |
| Switching status indication                  | Yellow LED   |
| Ambient temperature with moving cable        | -5 °C ... 70 °C  |

| Feature                                     | Value                           |
|---|---------------------------------|
| Degree of protection                        | IP65<br>IP67                    |
| Corrosion resistance class CRC              | 2 - Moderate 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                        |