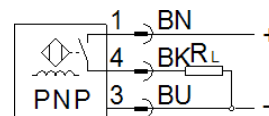
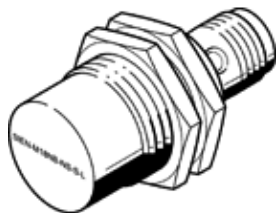


# proximity sensor SIEN-M18NB-PS-S-L

Part number: 150427

FESTO

Inductive, with standard switching distance.



## Data sheet

| Feature  | Value  |
|--|--|
| Conforms to standard                                 | EN 60947-5-2   |
| Authorisation  | RCM Mark<br>c UL us - Listed (OL)  |
| CE mark (see declaration of conformity)              | to EU directive for EMC  |
| Materials note                                       | Free of copper and PTFE<br>Conforms to RoHS  |
| Nominal switching distance                           | 8 mm   |
| Guaranteed switching distance                        | 6.48 mm  |
| Reduction factors                                    | Aluminium = 0.5<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 ... 70 °C  |
| Repetition accuracy                                  | 0.4 mm   |
| Switch output  | PNP  |
| Switching element function                           | Normally open contact  |
| Hysteresis   | ≤ 0.88 mm  |
| Max. switching frequency                             | 2,000 Hz   |
| Max. output current                                  | 200 mA   |
| Voltage drop   | ≤ 2 V  |
| Short circuit strength                               | Pulsing  |
| Operating voltage range DC                           | 10 ... 30 V  |
| Residual ripple                                      | +/- 20 %   |
| Idle current   | ≤ 10 mA  |
| Polarity protected                                   | for all electrical connections   |
| Electrical connection                                | 3-pin<br>M12x1<br>Plug   |
| Size   | M18x1  |
| Mounting type  | with lock nut  |
| Tightening torque                                    | 20 Nm  |
| Type of installation                                 | not flush  |
| Product weight                                       | 40 g   |
| Material housing                                     | Brass<br>PBTP<br>Nickel plated   |
| Operating status display                             | Yellow LED   |
| Ambient temperature with flexible cable installation | -5 ... 70 °C   |
| Protection class                                     | IP67   |
| Surge strength                                       | 0.8 kV   |
| Degree of contamination                              | 3  |