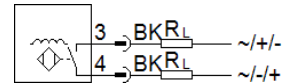
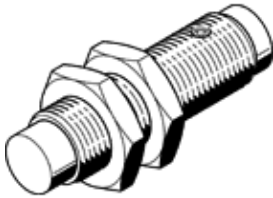


# proximity sensor SIED-M18NB-ZS-S-L

Part number: 538275

FESTO

With plug, non-flush mounting



## Data sheet

| Feature                                 | Value  |
|---|--|
| Design                                  | Round  |
| 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<br>to EU directive low-voltage devices   |
| Materials note                          | Free of copper and PTFE  |
| Measuring principle                     | Inductive  |
| Nominal switching distance              | 8 mm   |
| Guaranteed switching distance           | 6.5 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 ... 85 °C  |
| Repetition accuracy                     | 0.2 mm   |
| Switch output                           | Non-contacting 2-wire  |
| Switching element function              | Normally open contact  |
| Hysteresis                              | 0.03 ... 1.9 mm  |
| Max. switching frequency, DC            | 340 Hz   |
| Max. switching frequency, AC            | 25 Hz  |
| Max. output current                     | 300 mA   |
| Voltage drop                            | ≤ 8 V  |
| Minimum load current                    | 5 mA   |
| Short circuit strength                  | No   |
| Operating voltage range AC              | 20 ... 265 V   |
| Operating voltage range DC              | 20 ... 320 V   |
| Line frequency                          | 50 Hz  |
| Idle current                            | ≤ 1.5 mA   |
| Polarity protected                      | for all electrical connections   |
| Electrical connection                   | 2-pin<br>M12x1<br>Plug   |
| Size                                    | M18  |
| Mounting type                           | with lock nut  |
| Tightening torque                       | 30 Nm  |
| Type of installation                    | not flush  |
| Product weight                          | 50 g   |
| Material housing                        | Brass<br>PA<br>Nickel plated   |
| Operating status display                | Yellow LED   |
| Protection class                        | IP67   |
| Corrosion resistance classification CRC | 1 - Low corrosion stress   |