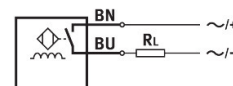
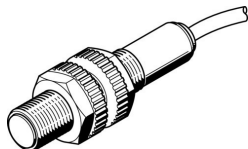


# Proximity sensor SIED-M12B-ZS-K-L-PA

Part number: 538336

**FESTO**



## Data sheet

| Feature                                      | Value   |
|--|---|
| Design                                       | Round   |
| Conforms to standard                         | EN 60947-5-2  |
| Certification                                | RCM compliance mark<br>c UL us - Listed (OL)  |
| CE marking (see declaration of conformity)   | As per EU EMC directive<br>As per EU low voltage directive<br>As per EU RoHS directive  |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC<br>To UK RoHS instructions<br>To UK instructions for electrical equipment                            |
| Measuring principle                          | Inductive   |
| Rated operating distance                     | 2 mm  |
| Assured operating distance                   | 1.62 mm   |
| Reduction factors                            | Aluminum = 0.35 - 0.5<br>Stainless steel St 18/8 = 0.6 - 1.0<br>Copper = 0.25 - 0.45<br>Brass = 0.35 - 0.5<br>Steel St 37 = 1.0 |
| Ambient temperature                          | -25 °C...70 °C  |
| Repetition accuracy                          | 0.04 mm   |
| Switching output                             | Non-contact, 2-wire   |
| Switching element function                   | N/O contact   |
| Hysteresis                                   | 0.06 mm...0.3 mm  |
| Max. switching frequency DC                  | 20 Hz   |
| Max. switching frequency AC                  | 20 Hz   |
| Max. output current                          | 100 mA  |
| Voltage drop                                 | 6 V   |
| Minimum load current                         | 3 mA  |
| Short-circuit protection                     | no  |
| Operating voltage range AC                   | 20 V...250 V  |
| DC operating voltage range                   | 10 V...300 V  |
| Mains frequency                              | 50 Hz...60 Hz   |
| Idle current                                 | 1.5 mA  |
| Reverse polarity protection                  | for all electrical connections  |

| Feature  | Value                                  |
|--|--|
| Electrical connection                                | 2-wire<br>Cable                        |
| Cable length   | 2.5 m                                  |
| Material of cable sheath                             | PVC                                    |
| Insulating sheath material                           | PVC                                    |
| Size   | M12                                    |
| Type of mounting                                     | With lock nut                          |
| Tightening torque                                    | 1 Nm                                   |
| Mounting type  | Flush                                  |
| Product weight                                       | 109 g                                  |
| Housing material                                     | PA-reinforced                          |
| Switching status indication                          | LED yellow                             |
| Ambient temperature with flexible cable installation | 0 °C...70 °C                           |
| Degree of protection                                 | IP65<br>IP67                           |
| Corrosion resistance class (CRC)                     | 4 - Particularly high corrosion stress |
| Selection of additional sensor information           | For direct and alternating voltage     |
| Electrical output                                    | Non-contact, 2-wire                    |
| Selection of sensor version                          | Polyamide housing                      |