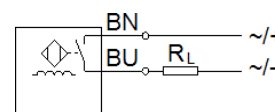
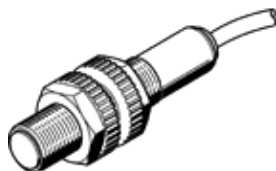


# proximity sensor SIED-M12B-ZS-K-L-PA

Part number: 538336

FESTO

With cable, 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   |
| Measuring principle                                  | Inductive  |
| Nominal switching distance                           | 2 mm   |
| Guaranteed switching distance                        | 1.62 mm  |
| Reduction factors                                    | Aluminium = 0.35 to 0.5<br>Stainless steel, St 18/8 = 0.6 to 1.0<br>Copper = 0.25 to 0.45<br>Brass = 0.35 to 0.5<br>Steel, St 37 = 1.0 |
| Ambient temperature                                  | -25 ... 70 °C  |
| Repetition accuracy                                  | 0.04 mm  |
| Switch output  | Non-contacting 2-wire  |
| Switching element function                           | Normally open contact  |
| Hysteresis   | 0.06 ... 0.3 mm  |
| Max. switching frequency, DC                         | 60 Hz  |
| Max. switching frequency, AC                         | 20 Hz  |
| Max. output current                                  | 100 mA   |
| Voltage drop   | ≤ 6 V  |
| Minimum load current                                 | 3 mA   |
| Short circuit strength                               | No   |
| Operating voltage range AC                           | 20 ... 250 V   |
| Operating voltage range DC                           | 10 ... 300 V   |
| Line frequency                                       | 50 ... 60 Hz   |
| Idle current   | ≤ 1.5 mA   |
| Polarity protected                                   | for all electrical connections   |
| Electrical connection                                | 2-core<br>Cable  |
| Cable length   | 2.5 m  |
| Material cable sheath                                | PVC  |
| Material insulation                                  | PVC  |
| Size   | M12  |
| Mounting type  | with lock nut  |
| Tightening torque                                    | 1 Nm   |
| Type of installation                                 | flush  |
| Product weight                                       | 109 g  |
| Material housing                                     | PA-reinforced  |
| Operating status display                             | Yellow LED   |
| Ambient temperature with flexible cable installation | 0 ... 70 °C  |
| Protection class                                     | IP65<br>IP67   |
| Corrosion resistance classification CRC              | 4 - Very high corrosion stress   |