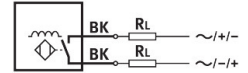


# Proximity sensor SIED-M30NB-ZS-K-L

Part number: 538284

**FESTO**



[General operating condition](#)

## Data sheet

| Feature                                 | Value                                                                                                |
|-----------------------------------------|------------------------------------------------------------------------------------------------------|
| Design                                  | Round                                                                                                |
| Conforms to standard                    | EN 60947-5-2                                                                                         |
| Symbol                                  | 00991712                                                                                             |
| Approval                                | RCM trademark<br>c UL us listed (OL)                                                                 |
| CE mark (see declaration of conformity) | To EU EMC Directive<br>To EU Low Voltage Directive                                                   |
| Measuring principle                     | Inductive                                                                                            |
| Rated operating distance                | 15 mm                                                                                                |
| Assured operating distance              | 12.15 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 °C ... 85 °C                                                                                     |
| Repetition accuracy                     | 0.4 mm                                                                                               |
| Switching output                        | Non-contacting, 2-wire                                                                               |
| Switching element function              | N/O contact                                                                                          |
| Hysteresis                              | 0.04 mm ... 3.3 mm                                                                                   |
| Max. switching frequency DC             | 220 Hz                                                                                               |
| Max. switching frequency AC             | 25 Hz                                                                                                |
| Max. output current                     | 300 mA                                                                                               |
| Voltage drop                            | ≤8 V                                                                                                 |
| Min. load current                       | 5 mA                                                                                                 |
| Short circuit current rating            | no                                                                                                   |
| Operational voltage range AC            | 20 V ... 265 V                                                                                       |
| Operational voltage range DC            | 20 V ... 320 V                                                                                       |
| Mains frequency                         | 50 Hz                                                                                                |
| No-load supply current                  | ≤1.5 mA                                                                                              |
| Reverse polarity protection             | For all electrical connections                                                                       |
| Electrical connection                   | 2-wire<br>Cable                                                                                      |
| Cable length                            | 2.5 m                                                                                                |
| Material cable sheath                   | TPE-U(PUR)                                                                                           |
| Material insulating sheath              | PVC                                                                                                  |
| Size                                    | M30                                                                                                  |
| Type of mounting                        | Via lock nut                                                                                         |

| Feature                                     | Value                    |
|---------------------------------------------|--------------------------|
| Tightening torque                           | 30 Nm                    |
| Mounting type                               | Not flush                |
| Product weight                              | 190 g                    |
| Material housing                            | Nickel-plated            |
| Switching status indication                 | Yellow LED               |
| Ambient temperature with moving cable       | -5 °C ... 50 °C          |
| Degree of protection                        | IP67                     |
| Corrosion resistance class CRC              | 1 - Low corrosion stress |
| LABS (PWIS) conformity                      | VDMA24364-B2-L           |
| Additional information for sensor selection | For DC and AC voltage    |
| Electrical output                           | Non-contacting, 2-wire   |
| Selection of sensor design                  | Standard                 |