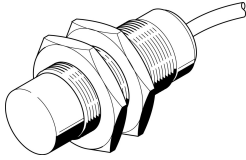


# Proximity sensor SIEF-M30NB-NS-K-L

Part number: 538322

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   |
| Measuring principle                        | Inductive   |
| Rated operating distance                   | 20 mm   |
| Assured operating distance                 | 16.2 mm   |
| Reduction factors                          | Aluminum = 1.0<br>Stainless steel St 18/8 = 1.0<br>Copper = 1.0<br>Brass = 1.0<br>Steel St 37 = 1.0 |
| Ambient temperature                        | -30 °C...85 °C  |
| Repetition accuracy                        | 0.4 mm  |
| Switching output                           | NPN   |
| Switching element function                 | N/O contact   |
| Hysteresis                                 | 0.6 mm...3 mm   |
| Max. switching frequency DC                | 1500 Hz   |
| Max. output current                        | 200 mA  |
| Voltage drop                               | 1.8 V   |
| Short-circuit protection                   | Pulsed  |
| DC operating voltage range                 | 10 V...30 V   |
| Residual ripple                            | 10 %  |
| Idle current                               | 15 mA   |
| Reverse polarity protection                | for all electrical connections  |
| Electrical connection                      | 3-wire<br>Cable   |
| Cable length                               | 2.5 m   |
| Material of cable sheath                   | TPE-U(PUR)  |
| Insulating sheath material                 | PVC   |
| Size                                       | M30   |
| Type of mounting                           | With lock nut   |

| <b>Feature</b>                                       | <b>Value</b>  |
|--|---|
| Tightening torque                                    | 75 Nm   |
| Mounting type  | Partially flush   |
| Product weight                                       | 194 g   |
| Housing material                                     | Brass<br>PBT<br>Chrome-plated                           |
| Switching status indication                          | LED yellow  |
| Ambient temperature with flexible cable installation | 0 °C...80 °C  |
| Degree of protection                                 | IP67  |
| Resistance to interference from magnetic fields      | Magnetic direct and alternating fields                  |
| Corrosion resistance class (CRC)                     | 2 - Moderate corrosion stress                           |
| Selection of additional sensor information           | with reduction factor 1 – resistance to magnetic fields |
| Electrical output                                    | NPN   |
| Selection of sensor version                          | Standard  |