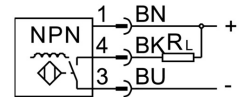


# Proximity sensor SIEF-M30B-NS-S-L-WA

Part number: 538306

FESTO



## Data sheet

| Feature                                    | Value   |
|--|---|
| Type code                                  | SIEF  |
| Design                                     | Round   |
| Conforms to standard                       | EN 60947-5-2  |
| Symbol                                     | 00991703  |
| 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                   | 10 mm   |
| Assured operating distance                 | 8.1 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                        | 0.2 mm  |
| Switching output                           | NPN   |
| Switching element function                 | N/O contact   |
| Hysteresis                                 | 0.3 mm ... 1.5 mm   |
| Max. switching frequency DC                | 2000 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-pin<br>Fixcon<br>M12x1<br>Plug  |
| Size                                       | M30   |
| Type of mounting                           | With lock nut   |
| Tightening torque                          | 75 Nm   |
| Mounting type                              | Flush   |
| Product weight                             | 106 g   |

| <b>Feature</b>                                  | <b>Value</b>  |
|---|---|
| Housing material                                | Brass<br>PBT<br>PTFE-coated                             |
| Switching status indication                     | LED yellow  |
| Degree of protection                            | IP67  |
| Resistance to interference from magnetic fields | Magnetic direct and alternating fields                  |
| Corrosion resistance class (CRC)                | 0 - No corrosion stress                                 |
| Selection of additional sensor information      | With reduction factor 1 – resistance to magnetic fields |
| Electrical output                               | NPN   |
| Selection of sensor version                     | WA resistant to welding splatter                        |