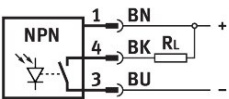


# Retro-reflective sensor SOEG-RSP-M12-NS-S-2L

Part number: 537686

FESTO



## Data sheet

| Feature                                      | Value                                                       |
|----------------------------------------------|-------------------------------------------------------------|
| Design                                       | Round                                                       |
| Conforms to standard                         | EN 60947-5-2                                                |
| Approval                                     | RCM trademark<br>c UL us listed (OL)                        |
| CE mark (see declaration of conformity)      | To EU EMC Directive<br>In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC<br>To UK RoHS instructions       |
| Measured variable                            | Position                                                    |
| Measuring principle                          | Optoelectronic                                              |
| Measurement method                           | Retro-reflective sensor                                     |
| Type of light                                | Red polarised                                               |
| Operating distance                           | 1500 mm                                                     |
| Ambient temperature                          | -25 °C...55 °C                                              |
| Switching output                             | NPN                                                         |
| Switching element function                   | Dark switching                                              |
| Max. switching frequency                     | 1000 Hz                                                     |
| Max. output current                          | 200 mA                                                      |
| Voltage drop                                 | 2 V                                                         |
| Short circuit current rating                 | Pulsed                                                      |
| Operational voltage range DC                 | 10 V...36 V                                                 |
| Residual ripple                              | 20%                                                         |
| No-load supply current                       | 15 mA                                                       |
| Reverse polarity protection                  | For all electrical connections                              |
| Electrical connection                        | 3-pin<br>M12x1<br>Plugs                                     |
| Size                                         | M12x1                                                       |
| Type of mounting                             | Via lock nut                                                |
| Tightening torque                            | 10 Nm                                                       |
| Product weight                               | 20 g                                                        |
| Material housing                             | Brass<br>Chrome-plated                                      |

| Feature                               | Value                    |
|---------------------------------------|--------------------------|
| Material union nut                    | Brass<br>Chrome-plated   |
| Switching status indication           | Yellow LED               |
| Function reserve indication           | Green LED                |
| Ambient temperature with moving cable | -5 °C...55 °C            |
| Degree of protection                  | IP65<br>IP67             |
| Corrosion resistance class CRC        | 1 - Low corrosion stress |
| LABS (PWIS) conformity                | VDMA24364-B2-L           |