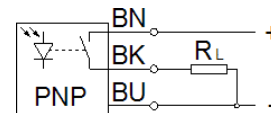
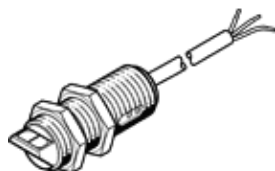


# retro-reflective sensor SOEG-RSP-M18W-PS-K-2L

Part number: 537698  
Product to be discontinued

FESTO

With polarised light, round design, with 90° angled beam  
Type to be discontinued. Available until 2024. See Support Portal for alternative products.



## 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           |
| Measured variable                                    | Position                          |
| Measuring principle                                  | Optoelectronic                    |
| Measurement method                                   | Retro-reflective sensor           |
| Type of light  | Red, polarised                    |
| Working range  | 2,000 mm                          |
| Ambient temperature                                  | -25 ... 55 °C                     |
| Switch output  | PNP                               |
| Switching element function                           | Dark switching                    |
| Max. switching frequency                             | 1,000 Hz                          |
| Max. output current                                  | 200 mA                            |
| Voltage drop   | ≤ 2 V                             |
| Short circuit strength                               | Pulsing                           |
| Operating voltage range DC                           | 10 ... 36 V                       |
| Residual ripple                                      | 20 %                              |
| Idle current   | 15 mA                             |
| Polarity protected                                   | for all electrical connections    |
| Electrical connection                                | 3-core<br>Cable                   |
| Cable length   | 2.5 m                             |
| Material cable sheath                                | TPE-U(PUR)                        |
| Size   | M18x1                             |
| Mounting type  | with lock nut                     |
| Tightening torque                                    | 20 Nm                             |
| Product weight                                       | 125 g                             |
| Material housing                                     | Brass<br>Chromed-plated           |
| Material of union nut                                | Brass<br>Chromed-plated           |
| Operating status display                             | Yellow LED                        |
| Operating reserve display                            | Green LED                         |
| Ambient temperature with flexible cable installation | -5 ... 55 °C                      |
| Protection class                                     | IP65<br>IP67                      |
| Corrosion resistance classification CRC              | 1 - Low corrosion stress          |
| PWIS conformity                                      | VDMA24364-B2-L                    |