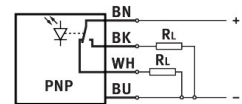
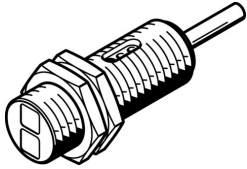


# Diffuse scan SOEG-RT-M18-PA-K-2L

Part number: 547912

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                      | Value   |
|--|---|
| Design                                       | Round   |
| Conforms to standard                         | EN 60947-5-2  |
| Symbol                                       | 00991711  |
| Certification                                | RCM compliance mark<br>c UL us - Listed (OL)        |
| CE marking (see declaration of conformity)   | As per EU EMC directive<br>As per EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions                             |
| Measured variable                            | Position  |
| Measuring principle                          | Optoelectronic                                      |
| Method of measurement                        | Reflection light sensor                             |
| Type of light                                | Red   |
| Working range                                | 40 mm ... 600 mm                                    |
| Ambient temperature                          | -25 °C ... 55 °C                                    |
| Switching output                             | PNP   |
| Switching element function                   | Antivalent  |
| Hysteresis                                   | ≤60 mm  |
| Max. switching frequency                     | 1000 Hz   |
| Max. output current                          | 200 mA  |
| Voltage drop                                 | 2 V   |
| Short-circuit protection                     | Pulsed  |
| DC operating voltage range                   | 10 V ... 36 V                                       |
| Residual ripple                              | 20 %  |
| Idle current                                 | 20 mA   |
| Reverse polarity protection                  | for all electrical connections                      |
| Electrical connection                        | Cable   |
| Cable length                                 | 2.5 m   |
| Material of cable sheath                     | TPE-U(PUR)  |
| Insulating sheath material                   | PVC   |
| Size   | M18   |
| Type of mounting                             | With lock nut                                       |
| Tightening torque                            | 20 Nm   |
| Mounting position                            | Any   |
| Product weight                               | 121 g   |
| Housing material                             | Chrome-plated                                       |
| Switching status indication                  | LED yellow  |

| <b>Feature</b>                                       | <b>Value</b>                  |
|--|-------------------------------|
| Function reserve indication                          | LED green                     |
| Setting options                                      | Potentiometer                 |
| Setting range, lower limit                           | 40 mm                         |
| Setting range, upper limit                           | 600 mm                        |
| Ambient temperature with flexible cable installation | -5 °C ... 55 °C               |
| Degree of protection                                 | IP65<br>IP67                  |
| Corrosion resistance class (CRC)                     | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity                               | VDMA24364 zone III            |