

Diffuse scan SOEG-RTH-M18-PS-S-2L

Part number: 537689

FESTO



[PDF](#) General operating condition

Data sheet

| Feature | Value |
|--|---|
| Design | Round |
| Conforms to standard | EN 60947-5-2 |
| Symbol | 00991641 |
| Certification | RCM compliance mark c UL us - Listed (OL) |
| CE marking (see declaration of conformity) | As per EU EMC directive As per EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions |
| Measured variable | Position |
| Measuring principle | Optoelectronic |
| Method of measurement | Diffuse sensor with background suppression |
| Type of light | Red |
| Working range | 10 mm ... 120 mm |
| Ambient temperature | -25 °C ... 55 °C |
| Switching output | PNP |
| Switching element function | Bright-switching |
| Max. switching frequency | 500 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 | 25 mA |
| Reverse polarity protection | for all electrical connections |
| Electrical connection | M12x1 Plug |
| Size | M18x1 |
| Type of mounting | With lock nut |
| Tightening torque | 20 Nm |
| Product weight | 53 g |
| Housing material | Chrome-plated |
| Material of union nut | Brass Chrome-plated |
| Switching status indication | LED yellow |
| Function reserve indication | LED green |
| Setting options | Potentiometer |
| Setting range, lower limit | 10 mm |

| Feature | Value |
|--|--------------------------|
| Setting range, upper limit | 120 mm |
| Ambient temperature with flexible cable installation | -5 °C ... 55 °C |
| Degree of protection | IP65 IP67 |
| Corrosion resistance class (CRC) | 1 - Low corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |