

# diffuse sensor SOEG-RT-M12-PS-S-2L

Part number: 547909

FESTO

Round design



## Data sheet

Feature	Value
Design	Round
Conforms to standard	EN 60947-5-2
Authorisation	RCM Mark c UL us - Listed (OL)
CE mark (see declaration of conformity)	to EU directive for EMC
Measured variable	Position
Measuring principle	Optoelectronic
Measurement method	Diffuse reflection sensor
Type of light	Red
Working range	70 ... 300 mm
Ambient temperature	-25 ... 55 °C
Switch output	PNP
Switching element function	Light switching
Hysteresis	≤ 30 mm
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-pin M12x1 Plug
Size	M12
Mounting type	with lock nut
Tightening torque	10 Nm
Assembly position	Any
Product weight	20 g
Material housing	Brass Chromed-plated
Operating status display	Yellow LED
Operating reserve display	Green LED
Setting options	Potentiometer
Setting range lower limit	70 mm
Upper limit of adjustment range	300 mm
Ambient temperature with flexible cable installation	-5 ... 55 °C
Protection class	IP65 IP67
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364 zone III