

# diffuse sensor SOEG-RTH-M18-NS-S-2L

Part number: 537707

FESTO

With background suppression, 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
Materials note	Free of copper and PTFE
Measured variable	Position
Measuring principle	Optoelectronic
Measurement method	Diffuse reflection sensor with background suppression
Type of light	Red
Working range	10 ... 120 mm
Ambient temperature	-25 ... 55 °C
Switch output	NPN
Switching element function	Light switching
Max. switching frequency	500 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	25 mA
Polarity protected	for all electrical connections
Electrical connection	3-pin M12x1 Plug
Size	M18x1
Mounting type	with lock nut
Tightening torque	20 Nm
Product weight	53 g
Material housing	Brass Chromed-plated
Material of union nut	Brass Chromed-plated
Operating status display	Yellow LED
Operating reserve display	Green LED
Setting options	Potentiometer
Setting range lower limit	10 mm
Upper limit of adjustment range	120 mm
Ambient temperature with flexible cable installation	-5 ... 55 °C
Protection class	IP65 IP67
Corrosion resistance classification CRC	1 - Low corrosion stress