

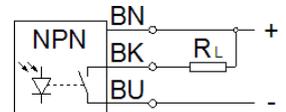
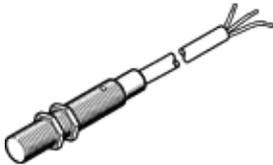
# Diffuse light sensor SOEG-RT-M5-NS-K-L

Part number: 537680  
Product to be discontinued

FESTO

[Round design](#)

[Type to be discontinued. Available until 2020. See Support Portal for alternative products.](#)



## Data sheet

Feature	Value
Design	Round
Conforms to standard	EN 60947-5-2
Authorization	RCM Mark c UL us - Listed (OL)
CE symbol (see declaration of conformity)	according to EU-EMV guideline
Materials note	Free of copper and PTFE
Measured variable	Position
Measuring principle	Optoelectronic
Measurement method	Diffuse reflection sensor
Type of light	Infrared
Working range	50 mm
Ambient temperature	0 ... 55 °C
Switch output	NPN
Switching element function	Light switching
Max. switching frequency	250 Hz
Max. output current	100 mA
Voltage drop	≤ 2 V
Short circuit strength	Pulsing
Operating voltage range DC	10 ... 30 V
Residual ripple	20 %
Idle current	15 mA
Polarity protected	for all electrical connections
Electrical connection	Cable 3-core
Cable length	2.5 m
Material cable sheath	TPE-U(PUR)
Size	M5x0,5
Mounting type	with lock nut
Tightening torque	1.5 Nm
Product weight	35 g
Material housing	High alloy steel, non-corrosive
Material of union nut	High alloy steel, non-corrosive
Operating status display	Yellow LED
Ambient temperature with flexible cable installation	0 ... 55 °C
Protection class	IP67
Corrosion resistance classification CRC	4 - Very high corrosion stress