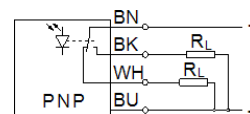


# diffuse sensor SOEG-RT-M18-PA-K-2L

Part number: 547912

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
Materials note	Free of copper and PTFE Contains PWIS substances
Measured variable	Position
Measuring principle	Optoelectronic
Measurement method	Diffuse reflection sensor
Type of light	Red
Working range	40 ... 600 mm
Ambient temperature	-25 ... 55 °C
Switch output	PNP
Switching element function	Antivalent
Hysteresis	≤ 60 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	20 mA
Polarity protected	for all electrical connections
Electrical connection	4-core Cable
Cable length	2.5 m
Material cable sheath	TPE-U(PUR)
Material insulation	PVC
Size	M18
Mounting type	with lock nut
Tightening torque	20 Nm
Assembly position	Any
Product weight	121 g
Material housing	Brass Chromed-plated
Operating status display	Yellow LED
Operating reserve display	Green LED
Setting options	Potentiometer
Setting range lower limit	40 mm
Upper limit of adjustment range	600 mm
Ambient temperature with flexible cable installation	-5 ... 55 °C
Protection class	IP65 IP67
Corrosion resistance classification CRC	2 - Moderate corrosion stress