

# Proximity sensor SIEN-M18NB-NS-K-L-PA

Part number: 538332

FESTO



## Data sheet

Feature	Value
Design	Round
Conforms to standard	EN 60947-5-2
Approval	RCM trademark c UL us listed (OL)
CE mark (see declaration of conformity)	To EU EMC Directive
Measuring principle	Inductive
Rated operating distance	8 mm
Assured operating distance	6.48 mm
Reduction factors	Aluminium = 0.35 - 0.5 Stainless steel St 18/8 = 0.6 - 1.0 Copper = 0.25 - 0.45 Brass = 0.35 - 0.5 Steel St 37 = 1.0
Ambient temperature	-25 °C...70 °C
Repetition accuracy	0.16 mm
Switching output	NPN
Switching element function	N/O contact
Hysteresis	0.24 mm...1.2 mm
Max. switching frequency DC	1000 Hz
Max. output current	200 mA
Voltage drop	1.8 V
Short circuit current rating	Pulsed
Operational voltage range DC	10 V...30 V
Residual ripple	10 %
No-load supply current	15 mA
Reverse polarity protection	For all electrical connections
Electrical connection	3-wire Cable
Cable length	2.5 m
Material cable sheath	PVC
Material insulating sheath	PVC
Size	M18
Type of mounting	Via lock nut

<b>Feature</b>	<b>Value</b>
Tightening torque	2 Nm
Mounting type	Not flush
Product weight	127 g
Material housing	PA-reinforced
Switching status indication	Yellow LED
Ambient temperature with moving cable	0 °C...70 °C
Degree of protection	IP65 IP67
Corrosion resistance class CRC	4 - Very high corrosion stress
Additional information for sensor selection	with standard sensing distance
Electrical output	NPN
Selection of sensor design	Polyamide housing