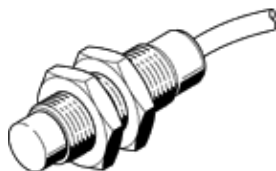


# proximity sensor SIEF-M18NB-NS-K-L

Part number: 538318

FESTO

With cable, semi-flush mounting



## 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
Measuring principle	Inductive
Nominal switching distance	12 mm
Guaranteed switching distance	9.72 mm
Reduction factors	Aluminium = 1.0 Stainless steel, St 18/8 = 1.0 Copper = 1.0 Brass = 1.0 Steel, St 37 = 1.0
Ambient temperature	-30 ... 85 °C
Repetition accuracy	0.24 mm
Switch output	NPN
Switching element function	Normally open contact
Hysteresis	0.36 ... 1.8 mm
Max. switching frequency, DC	2,000 Hz
Max. output current	200 mA
Voltage drop	≤ 1.8 V
Short circuit strength	Pulsing
Operating voltage range DC	10 ... 30 V
Residual ripple	10 %
Idle current	≤ 15 mA
Polarity protected	for all electrical connections
Electrical connection	3-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	25 Nm
Type of installation	Semi-flush
Product weight	141 g
Material housing	Brass PBT Chromed-plated
Operating status display	Yellow LED
Ambient temperature with flexible cable installation	0 ... 80 °C
Protection class	IP67
Interference immunity to magnetic fields	DC and AC magnetic field
Corrosion resistance classification CRC	2 - Moderate corrosion stress