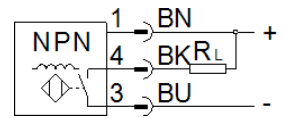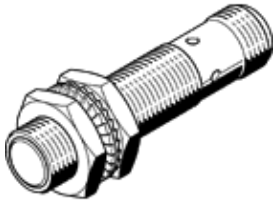# proximity sensor
SIEF-M12B-NS-S-L-WA
Part number: 538298

FESTO

With plug, 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	3 mm
Guaranteed switching distance	2.43 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	0.06 mm
Switch output	NPN
Switching element function	Normally open contact
Hysteresis	0.09 ... 0.45 mm
Max. switching frequency, DC	3,000 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-pin
	Fixcon
	M12x1
	Plug
Size	M12
Mounting type	with lock nut
Tightening torque	7 Nm
Type of installation	flush
Product weight	26 g
Material housing	Brass
	PBT
	PTFE coated
Operating status display	Yellow LED
Protection class	IP67
Interference immunity to magnetic fields	DC and AC magnetic field
Corrosion resistance classification CRC	0 - No corrosion stress