

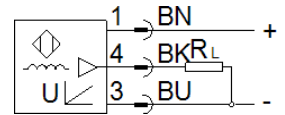
# proximity sensor SIEA-M8B-PU-S

Part number: 538291  
Product to be discontinued

FESTO

With plug, flush mounting

Type to be discontinued. Available until 2021. See Support Portal for alternative products.



## Data sheet

Feature	Value
Design	Round
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
Measuring principle	Inductive
Reduction factors	Aluminium = 0.28 Stainless steel, St 18/8 = 0.68 Copper = 0.25 Brass = 0.4 Steel, St 37 = 1.0
Distance measuring range	0 ... 4 mm
Ambient temperature	-25 ... 70 °C
Travel resolution	0.001 mm
Repetition accuracy	0.3 mm
Repetition accuracy for constant conditions	+/- 0,01 mm
Temperature drift from real switching distance	<= ± 5% (0 - 70°C) <= ± 10% (-25 - 0°C)
Max. switching frequency, DC	1,600 Hz
Analogue output	0 - 10 V
Bandwidth	1600 Hz (-3 dB where s = 2 mm)
Max. load current at analogue voltage output	10 mA
Short circuit strength	Pulsing
Overload withstand capability	Available
Max. current/voltage output without object	120 %
Output voltage at 23°C	0 V / -0 + 0,4 V (s=0 mm) +5,2 V / ± 0,4 V (s=2 mm) +10 V / ± 0,4 V (s=4 mm)
Operating voltage range DC	15 ... 30 V
Residual ripple	20 %
Idle current	<= 10 mA
Polarity protected	for operating voltage
Electrical connection	Plug M8x1 3-pin
Size	M8
Mounting type	with lock nut
Tightening torque	4 Nm
Type of installation	flush
Product weight	25 g
Material housing	Brass Chromed-plated
Protection class	IP67
Corrosion resistance classification CRC	2 - Moderate corrosion stress