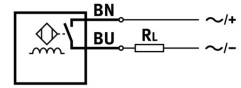
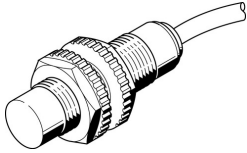


Proximity sensor SIED-M12NB-ZS-K-L-PA

Part number: 538335

FESTO



[PDF](#) General operating condition

Data sheet

Feature	Value
Design	Round
Conforms to standard	EN 60947-5-2
Symbol	00991707
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per EU low voltage directive
Measuring principle	Inductive
Rated operating distance	4 mm
Assured operating distance	3.24 mm
Reduction factors	Aluminum = 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	0.08 mm
Switching output	Non-contact, 2-wire
Switching element function	N/O contact
Hysteresis	0.12 mm ... 0.6 mm
Max. switching frequency DC	60 Hz
Max. switching frequency AC	20 Hz
Max. output current	100 mA
Voltage drop	≤6 V
Minimum load current	3 mA
Short-circuit protection	no
Operating voltage range AC	20 V ... 250 V
DC operating voltage range	10 V ... 300 V
Mains frequency	50 Hz ... 60 Hz
Idle current	≤1.5 mA
Reverse polarity protection	for all electrical connections
Electrical connection	2-wire Cable
Cable length	2.5 m
Material of cable sheath	PVC
Insulating sheath material	PVC
Size	M12
Type of mounting	With lock nut

Feature	Value
Tightening torque	1 Nm
Mounting type	Not flush
Product weight	109 g
Housing material	PA-reinforced
Switching status indication	LED yellow
Ambient temperature with flexible cable installation	0 °C ... 70 °C
Degree of protection	IP65 IP67
Corrosion resistance class (CRC)	4 - Particularly high corrosion stress
Selection of additional sensor information	For direct and alternating voltage
Electrical output	Non-contact, 2-wire
Selection of sensor version	Polyamide housing