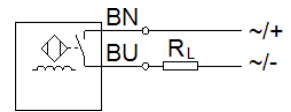
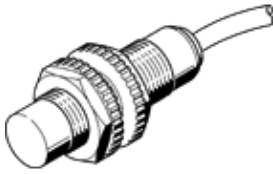


proximity sensor SIED-M12NB-ZS-K-L-PA

Part number: 538335

FESTO

With cable, non-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 to EU directive low-voltage devices
Measuring principle	Inductive
Nominal switching distance	4 mm
Guaranteed switching distance	3.24 mm
Reduction factors	Aluminium = 0.35 to 0.5 Stainless steel, St 18/8 = 0.6 to 1.0 Copper = 0.25 to 0.45 Brass = 0.35 to 0.5 Steel, St 37 = 1.0
Ambient temperature	-25 ... 70 °C
Repetition accuracy	0.08 mm
Switch output	Non-contacting 2-wire
Switching element function	Normally open contact
Hysteresis	0.12 ... 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 strength	No
Operating voltage range AC	20 ... 250 V
Operating voltage range DC	10 ... 300 V
Line frequency	50 ... 60 Hz
Idle current	≤ 1.5 mA
Polarity protected	for all electrical connections
Electrical connection	2-core Cable
Cable length	2.5 m
Material cable sheath	PVC
Material insulation	PVC
Size	M12
Mounting type	with lock nut
Tightening torque	1 Nm
Type of installation	not flush
Product weight	109 g
Material housing	PA-reinforced
Operating status display	Yellow LED
Ambient temperature with flexible cable installation	0 ... 70 °C
Protection class	IP65 IP67
Corrosion resistance classification CRC	4 - Very high corrosion stress