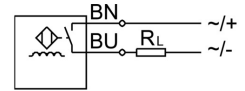
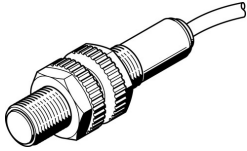


Proximity sensor SIED-M12B-ZS-K-L-PA

Part number: 538336

FESTO



Data sheet

Feature	Value
Type code	SIED
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
Note on materials	Free of copper and PTFE
Measuring principle	Inductive
Rated operating distance	2 mm
Assured operating distance	1.62 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	0.04 mm
Switching output	Non-contact, 2-wire
Switching element function	N/O contact
Hysteresis	0.06 mm ... 0.3 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

Feature	Value
Size	M12
Type of mounting	With lock nut
Tightening torque	1 Nm
Mounting type	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