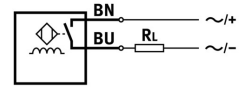
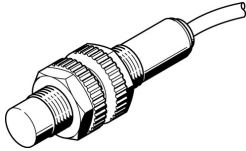


Proximity sensor SIED-M18NB-ZS-K-L-PA

Part number: 538337

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Design	Round
Conforms to standard	EN 60947-5-2
Symbol	00991707
Approval	RCM trademark c UL us listed (OL)
CE mark (see declaration of conformity)	To EU EMC Directive To EU Low Voltage Directive
Measuring principle	Inductive
Rated operating distance	8 mm
Assured operating distance	6.48 mm
Reduction factors	Aluminium = 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	0.16 mm
Switching output	Non-contacting, 2-wire
Switching element function	N/O contact
Hysteresis	0.24 mm ... 1.2 mm
Max. switching frequency DC	60 Hz
Max. switching frequency AC	20 Hz
Max. output current	300 mA
Voltage drop	≤6 V
Min. load current	3 mA
Short circuit current rating	no
Operational voltage range AC	20 V ... 250 V
Operational voltage range DC	10 V ... 300 V
Mains frequency	50 Hz ... 60 Hz
No-load supply current	≤1.5 mA
Reverse polarity protection	For all electrical connections
Electrical connection	2-wire Cable
Cable length	2.5 m
Material cable sheath	PVC
Material insulating sheath	PVC
Size	M18
Type of mounting	Via lock nut

Feature	Value
Tightening torque	2 Nm
Mounting type	Not flush
Product weight	123 g
Material housing	PA-reinforced
Switching status indication	Yellow LED
Ambient temperature with moving cable	0 °C ... 70 °C
Degree of protection	IP65 IP67
Corrosion resistance class CRC	4 - Very high corrosion stress
Additional information for sensor selection	For DC and AC voltage
Electrical output	Non-contacting, 2-wire
Selection of sensor design	Polyamide housing