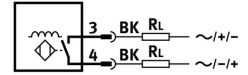


# Proximity sensor SIED-M12B-ZS-S-L

Part number: 538271

FESTO



[General operating condition](#)

## Data sheet

Feature	Value
Design	Round
Conforms to standard	EN 60947-5-2
Symbol	00991714
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	2 mm
Assured operating distance	1.62 mm
Reduction factors	Aluminium = 0.5 Stainless steel St 18/8 = 0.9 Copper = 0.4 Brass = 0.6 Steel St 37 = 1.0
Ambient temperature	-25 °C ... 85 °C
Repetition accuracy	0.1 mm
Switching output	Non-contacting, 2-wire
Switching element function	N/O contact
Hysteresis	0.02 mm ... 0.44 mm
Max. switching frequency DC	1200 Hz
Max. switching frequency AC	25 Hz
Max. output current	200 mA
Voltage drop	≤8 V
Min. load current	5 mA
Short circuit current rating	no
Operational voltage range AC	20 V ... 265 V
Operational voltage range DC	20 V ... 320 V
Mains frequency	50 Hz
No-load supply current	≤1.5 mA
Reverse polarity protection	For all electrical connections
Electrical connection	2-pin M12x1 Plugs
Size	M12
Type of mounting	Via lock nut
Tightening torque	10 Nm
Mounting type	Flush

<b>Feature</b>	<b>Value</b>
Product weight	20 g
Material housing	Brass PA Nickel-plated
Switching status indication	Yellow LED
Degree of protection	IP67
Corrosion resistance class CRC	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Additional information for sensor selection	For DC and AC voltage
Electrical output	Non-contacting, 2-wire
Selection of sensor design	Standard