Proximity sensor
SIED-M30B-ZO-S-L

Part number: 538289

FESTO
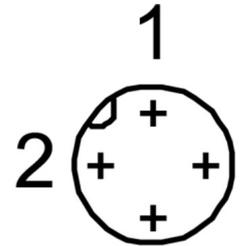
Data sheet

Feature	Value
Type code	SIED
Design	Round
Conforms to standard	EN 60947-5-2
Symbol	00992846
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	10 mm
Assured operating distance	8.1 mm
Reduction factors	Aluminum = 0.4 Stainless steel St 18/8 = 0.7 Copper = 0.3 Brass = 0.4 Steel St 37 = 1.0
Ambient temperature	-25 ºC ... 85 ºC
Repetition accuracy	0.3 mm
Switching output	Non-contact, 2-wire
Switching element function	N/C contact
Hysteresis	0.05 mm ... 2.2 mm
Max. switching frequency DC	200 Hz
Max. switching frequency AC	25 Hz
Max. output current	300 mA
Voltage drop	≤8 V
Minimum load current	5 mA
Short-circuit protection	no
Operating voltage range AC	20 V ... 265 V
DC operating voltage range	20 V ... 320 V
Mains frequency	50 Hz
Idle current	≤1.5 mA
Reverse polarity protection	for all electrical connections
Electrical connection	2-pin M12x1 Plug

Feature	Value
Size	M30
Type of mounting	With lock nut
Tightening torque	30 Nm
Mounting type	Flush
Product weight	140 g
Housing material	Brass PA Nickel-plated
Switching status indication	LED yellow
Degree of protection	IP67
Corrosion resistance class (CRC)	1 - Low corrosion stress
Selection of additional sensor information	For direct and alternating voltage
Electrical output	Non-contact, 2-wire
Selection of sensor version	Standard