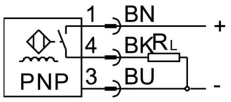
Proximity sensor
SIEF-M30NB-PS-S-L

Part number: 538319





Data sheet

Feature	Value
Type code	SIEF
Design	Round
Conforms to standard	EN 60947-5-2
Symbol	00991701
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive
Note on materials	Free of copper and PTFE
Measuring principle	Inductive
Rated operating distance	20 mm
Assured operating distance	16.2 mm
Reduction factors	Aluminum = 1.0 Stainless steel St 18/8 = 1.0 Copper = 1.0 Brass = 1.0 Steel St 37 = 1.0
Ambient temperature	-30 °C ... 85 °C
Repetition accuracy	0.4 mm
Switching output	PNP
Switching element function	N/O contact
Hysteresis	0.6 mm ... 3 mm
Max. switching frequency DC	1500 Hz
Max. output current	200 mA
Voltage drop	≤1.8 V
Short-circuit protection	Pulsed
DC operating voltage range	10 V ... 30 V
Residual ripple	10 %
Idle current	≤15 mA
Reverse polarity protection	for all electrical connections
Electrical connection	3-pin Fixcon M12x1 Plug
Size	M30
Type of mounting	With lock nut
Tightening torque	75 Nm
Mounting type	Partially flush
Product weight	90 g

Feature	Value
Housing material	Brass PBT Chrome-plated
Switching status indication	LED yellow
Degree of protection	IP67
Resistance to interference from magnetic fields	Magnetic direct and alternating fields
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Selection of additional sensor information	With reduction factor 1 – resistance to magnetic fields
Electrical output	PNP
Selection of sensor version	Standard