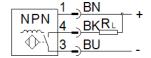
proximity sensor SIEN-M30NB-NS-S-L Part number: 150441

FESTO

Inductive, with standard switching distance.





Data sheet

Feature	Value	
Conforms to standard	EN 60947-5-2	
Authorisation	RCM Mark	
	c UL us - Listed (OL)	
CE mark (see declaration of conformity)	to EU directive for EMC	
Materials note	Free of copper and PTFE	
	Conforms to RoHS	
Nominal switching distance	15 mm	
Guaranteed switching distance	12.15 mm	
Reduction factors	Aluminium = 0.5	
	Stainless steel St 18/8 = 0.85	
	Copper = 0.43	
	Brass = 0.53	
	Steel, St 37 = 1.0	
Ambient temperature	-25 70 °C	
Repetition accuracy	0.75 mm	
Switch output	NPN	
Switching element function	Normally open contact	
Hysteresis	<= 1.65 mm	
Max. switching frequency	700 Hz	
Max. output current	200 mA	
Voltage drop	<= 2 V	
Short circuit strength	Pulsing	
Operating voltage range DC	10 30 V	
Residual ripple	+/- 20 %	
Idle current	<= 10 mA	
Polarity protected	for all electrical connections	
Electrical connection	3-pin	
	M12x1	
	Plug	
Size	M30x1,5	
Mounting type	with lock nut	
Tightening torque	40 Nm	
Type of installation	not flush	
Product weight	100 g	
Material housing	Brass	
	PA	
	PBTP	
	Chromed-plated	
Operating status display	Yellow LED	
Ambient temperature with flexible cable installation	-5 70 °C	
Protection class	IP67	
Surge strength	0.8 kV	
Degree of contamination	3	