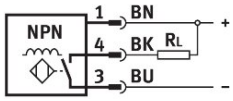
Proximity sensor
SIEH-M12B-NS-S-L-CR

Part number: 538253





Data sheet

Feature	Value
Conforms to standard	EN 60947-5-2
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	according to UK regulations for EMC (UK-E) according to UK RoHS regulations (UK-R)
Rated operating distance	6 mm
Assured operating distance	4.86 mm
Reduction factors	Aluminum = 1.0 Stainless steel, 1 mm thick = 0.45 Stainless steel, 2 mm thick = 0.9 Copper = 0.85 Brass = 1.3 Steel St 37 = 1.0
Ambient temperature	-25 °C...70 °C
Switching output	NPN
Switching element function	N.O. contact
Reproducibility, switching value FS	0.3 mm
Hysteresis	0.73 mm
Max. switching frequency	600 Hz
Max. output current	200 mA
Voltage drop	2 V
Inductive protective circuit	Installed Output current <100 mA and switching frequency < 10 Hz
Short-circuit protection	Pulsed
DC operating voltage range	10 V...30 V
Residual ripple	20%
Idle current	17 mA
Reverse polarity protection	for all electrical connections
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	M12x1 A-coded as per EN 61076-2-101
Electrical connection 1, number of pins/wires	4

Feature	Value
Electrical connection 1, type of mounting	Screw-type lock not rotatable Compatible with rotatable screw-type lock
Size	M12
Type of mounting	With locknut
Mounting type	Flush
Product weight	28 g
Housing material	High-alloy steel
Switching status indication	Yellow LED
Ambient temperature with flexible cable installation	-5 °C...70 °C
Degree of protection	IP67 IP69K
Resistance to sensor fitting pressure	80 bar
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Selection of additional sensor information	With increased switching distance
Electrical output	NPN
Selection of sensor version	Fully stainless steel housing