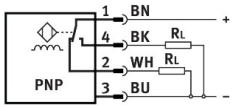
Proximity sensor
SIEF-Q40S-PA-S-2L

Part number: 538341





General operating condition

Data sheet

Feature	Value
Design	Square
Conforms to standard	EN 60947-5-2
Symbol	00991708
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 As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions To UK instructions for electrical equipment
Measuring principle	Inductive
Rated operating distance	35 mm
Assured operating distance	28.35 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	0.7 mm
Switching output	PNP
Switching element function	Antivalent
Hysteresis	1.05 mm ... 5.25 mm
Max. switching frequency DC	250 Hz
Max. output current	200 mA
Voltage drop	≤1.8 V
Short-circuit protection	Pulsed
DC operating voltage range	10 V ... 65 V
Residual ripple	10 %
Idle current	≤15 mA
Reverse polarity protection	for all electrical connections
Electrical connection	4-pin Fixcon M12x1 Plug
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
Electrical connection 1, type of mounting	Compatible with screw lock rotatable
Size	40x40x65 mm
Type of mounting	With through-hole
Mounting type	Partially flush
Product weight	156 g
Housing material	PBT-reinforced
Ready status indication	LED green
Switching status indication	LED yellow
Degree of protection	IP67
Resistance to interference from magnetic fields	Magnetic direct and alternating fields
Corrosion resistance class (CRC)	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Selection of additional sensor information	with reduction factor 1 – resistance to magnetic fields
Electrical output	PNP
Selection of sensor version	Standard