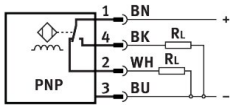
Proximity sensor
SIEF-Q40S-PA-S-2L

Part number: 538341





Data sheet

Feature	Value
Design	Square
Conforms to standard	EN 60947-5-2
Approval	RCM trademark c UL us listed (OL)
CE mark (see declaration of conformity)	To EU EMC Directive To EU Low Voltage Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions To UK regulations for electrical equipment
Measuring principle	Inductive
Rated operating distance	35 mm
Assured operating distance	28.35 mm
Reduction factors	Aluminium = 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 current rating	Pulsed
Operational voltage range DC	10 V...65 V
Residual ripple	10 %
No-load supply current	15 mA
Reverse polarity protection	For all electrical connections
Electrical connection	4-pin Fixcon M12x1 Plugs

Feature	Value
Electrical connection 1, connection type	Plugs
Electrical connection 1, connector system	M12x1, A-coded to EN 61076-2-101
Electrical connection 1, number of connections/cores	4
Electrical connection 1, type of mounting	Screw-type lock Not rotatable
Electrical connection 1, compatible type of mounting	Compatible with rotatable screw-type lock
Size	40x40x65 mm
Type of mounting	With through-hole
Mounting type	Partially flush
Product weight	156 g
Material housing	PA PBT-reinforced
Ready status indication	Green LED
Switching status indication	Yellow LED
Degree of protection	IP67
Immunity to magnetic fields	Magnetic direct and alternating field
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Additional information for sensor selection	Reduction factor 1, resistant to magnetic fields
Electrical output	PNP
Selection of sensor design	Standard