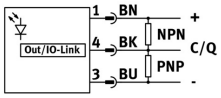
Retro-reflective sensor
SOOE-RS-L-PNLK-T

Part number: 8075672





Data sheet

Feature	Value
Type code	SOOE
Certificate issuing authority	UL E232949
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104
Electrical connection for input 1, connection pattern	00991155
Detection method	Reflection light barrier
Electrical connection 1, number of pins/wires	3
Design	Block design
Conforms to standard	EN 60947-5-2
Symbol	00995956
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
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Measuring principle	Optoelectronic
Type of light	Laser Red
Max. light spot	30 mm at 12000 mm
Working range	0 mm ... 12000 mm
Ambient temperature	-40 °C ... 60 °C
Reference material	Reference reflector
Switching output	Push-pull
Switching element function	Switchable PNP, dark-switching NPN, bright-switching
Max. switching frequency	2000 Hz
Max. output current	100 mA
Voltage drop	0 V ... 1.5 V
Timer function	Via IO-Link®
Short-circuit protection	Pulsed
Protocol	IO-Link®
IO-Link®, protocol version	Device V 1.1
IO-Link®, communication mode	COM2 (38,4 kBd)
IO-Link®, SIO mode support	Yes

Feature	Value
IO-Link®, port class	A
IO-Link®, process data width OUT	2 bit
IO-Link®, process data content OUT	1 bit (emitter disable) 1 bit (hold)
IO-Link®, process data width IN	2 bit
IO-Link®, process data content IN	1 bit (stability alarm) 1 bit SSC (switching signal)
IO-Link®, minimum cycle time	2.3 ms
IO-Link®, data memory required	2000 byte
DC operating voltage range	10 V ... 30 V
Residual ripple	10 %
Idle current	25 mA
Reverse polarity protection	for all electrical connections
Material of pin contacts	Brass, gold-plated
Type of mounting	With through-hole for M3 screw
Tightening torque	0.8 Nm
Mounting position	Any
Product weight	10 g
Housing material	PC PMMA
Ready status indication	LED green
Switching status indication	LED yellow
Function reserve indication	LED yellow, flashing
Setting options	IO-Link® Potentiometer Teach-in
Degree of protection	IP65 IP67 IP69K
Insulation voltage	500 V
Surge resistance	1 kV
Corrosion resistance class (CRC)	1 - Low corrosion stress
Laser safety class	1
Contamination level	3