Diffuse scan SOOE-DS-R-PNLK-T Part number: 8075663



Data sheet

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¥	4 BK NPN C/O
Out/IO-Link	
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General operating condition

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Conforms to standard EN 60947-5-2 Symbol 00995956 Certification RCM compliance mark c U us - Listed (OL) CE marking (see declaration of conformity) As per EU EM Cdirective As per EU EMC directive UKCA marking (see declaration of conformity) To UK RoHS instructions for EMC To UK RoHS instructions Certificate issuing authority UL E232949 Note on materials RoHS-compliant Measuring principle Optoelectronic Detection method Reflection light sensor Type of light Refl LED Extended Mobinit emperature 40 °C 60 °C Reference material Standard white 90%, 100x100 mm Switching output Push-pull Switching clement function Switchable PNB, bright-switching NPN, dark-switching Max. switching frequency 1000 Hz Max. switching frequency 00 V 1.5 V Max. switching frequency Via IO-Link@ Not-LinkQ, protocol version Device V 1.1 Io-Link@, protocol version Device V 1.1 Io-Link@, protocol version Device V 1.1 Io-Link	Feature	Value
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Max. switching frequency1000 HzMax. output current100 mAVoltage drop0 V 1.5 VTimer functionVia IO-Link®Short-circuit protectionPulsedProtocolIO-Link®IO-Link®, protocol versionDevice V 1.1IO-Link®, communication modeCOM2 (38,4 kBd)IO-Link®, SIO mode supportYesIO-Link®, process data width OUT2 bitIO-Link®, process data content OUT1 bit (emitter disable) 1 bit (hold)	Switching element function	PNP, bright-switching
Max. output current100 mAVoltage drop0 V 1.5 VTimer functionVia IO-Link®Short-circuit protectionPulsedProtocolIO-Link®10-Link®, protocol versionDevice V 1.1IO-Link®, communication modeCOM2 (38,4 kBd)IO-Link®, SIO mode supportYesIO-Link®, process data width OUT2 bitIO-Link®, process data content OUT1 bit (emitter disable) 1 bit (hold)	Hysteresis	200 mm
Voltage drop0 V 1.5 VTimer functionVia IO-Link®Short-circuit protectionPulsedProtocolIO-Link®IO-Link®, protocol versionDevice V 1.1IO-Link®, communication modeCOM2 (38,4 kBd)IO-Link®, SIO mode supportYesIO-Link®, process data width OUT2 bitIO-Link®, process data content OUT1 bit (emitter disable) 1 bit (hold)	Max. switching frequency	1000 Hz
Timer functionVia IO-Link®Short-circuit protectionPulsedProtocolIO-Link®IO-Link®, protocol versionDevice V 1.1IO-Link®, communication modeCOM2 (38,4 kBd)IO-Link®, SIO mode supportYesIO-Link®, port classAIO-Link®, process data width OUT2 bitIO-Link®, process data content OUT1 bit (emitter disable) 1 bit (hold)	Max. output current	100 mA
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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®, communication mode	COM2 (38,4 kBd)
IO-Link®, process data width OUT 2 bit IO-Link®, process data content OUT 1 bit (emitter disable) 1 bit (hold)	IO-Link®, SIO mode support	Yes
IO-Link®, process data content OUT 1 bit (emitter disable) 1 bit (hold)	IO-Link®, port class	A
1 bit (hold)	IO-Link®, process data width OUT	2 bit
IO-Link®, process data width IN 1 bit	IO-Link®, process data content OUT	
	IO-Link®, process data width IN	1 bit

Feature	Value
IO-Link®, process data content IN	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
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104
Electrical connection 1, number of pins/wires	3
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection for input 1, connection pattern	00991155
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
Setting options	IO-Link® Potentiometer Teach-in
Setting range, lower limit	75 mm
Setting range, upper limit	1000 mm
Degree of protection	IР65 IР67 IР69К
Insulation voltage	500 V
Surge resistance	1 kV
Corrosion resistance class (CRC)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Contamination level	3