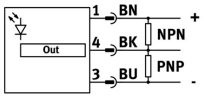
Diffuse scan
SOOD-BS-L-PN-30

Part number: 8075658





Data sheet

Feature	Value
Type code	SOOD
Certificate issuing authority	UL E232949
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection 1, connection type	Cable with 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 sensor with HGA
Electrical connection 1, number of pins/wires	3
Max. black-white difference	8 %
Design	Block design
Conforms to standard	EN 60947-5-2
Symbol	00995959
Certification	RCM compliance mark c UL us - Recognized (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	1 mm for scan width of 30 mm
Minimum object diameter	1 mm
Working range	7 mm ... 30 mm
Ambient temperature	-20 °C ... 60 °C
Reference material	Standard white 90%, 100x100 mm
Switching output	Push-pull
Switching element function	PNP, bright-switching NPN, dark-switching
Hysteresis	0.3 mm
Max. switching frequency	2000 Hz
Max. output current	50 mA
Voltage drop	0 V ... 1.5 V
Short-circuit protection	Pulsed
DC operating voltage range	10 V ... 30 V
Residual ripple	10 %
Idle current	10 mA

Feature	Value
Reverse polarity protection	for all electrical connections
Material of pin contacts	Brass, gold-plated
Cable length	0.15 m
Cable characteristic	Standard
Material of cable sheath	TPE-U(PUR)
Type of mounting	With through-hole
Tightening torque	0.5 Nm
Mounting position	Any
Product weight	10 g
Housing material	ABS PC TPE-U(PU)
Ready status indication	LED green
Switching status indication	LED yellow
Degree of protection	IP65 IP67
Insulation voltage	500 V
Surge resistance	1 kV
Corrosion resistance class (CRC)	1 - Low corrosion stress
Laser safety class	1
Contamination level	3