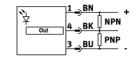
Diffuse light sensor SOOD-BS-R-PN-50

Part number: 8075654







Feature

Design Block design EN 60947-5-2 Conforms to standard Authorization RCM Mark c UL us - Recognized (OL) CE symbol (see declaration of conformity) according to EU-EMV guideline in accordance with EU RoHS directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK RoHS instructions Certificate issuing department UL E232949 Materials note Conforms to RoHS Measuring principle Optoelectronic Diffuse reflection sensor with background suppression Detection method Type of light Red LED Max. spot diameter 3.5 mm at a sensing range of 50 mm Minimal object diameter 3.5 mm Working range 3 ... 50 mm Ambient temperature -25 ... 60 °C Max. black/white difference 15 % Standard white 90%, 100x100 mm Reference material Switch output Push-pull PNP, light switching Switching element function NPN, dark switching Hysteresis 0.5 mm Max. switching frequency 800 Hz Max. output current 50 mA Voltage drop 0 ... 1.5 V Short circuit strength Pulsing 10 ... 30 V Operating voltage range DC Residual ripple 10 % Idle current 10 mA Polarity protected for all electrical connections Electrical connection 1, connection type Cable with plug Electrical connection 1, connection technology M8x1, A-coded to EN 61076-2-104 Electrical connection 1, number of pins/wires 3 Electrical connection 1, type of mounting Screw lock Material electrical contact Brass, gold-plated Cable length 150 mm Cable attribute Standard Material cable sheath TPE-U(PUR) Mounting type with through hole

0.5 Nm

Any

10 g

ABS PC

Value

Tightening torque

Assembly position

Product weight

Material housing



Feature	Value
	TPE-U(PU)
Ready status display	Green LED
Operating status display	Yellow LED
Protection class	IP65
	IP67
Insulation voltage	500 V
Surge strength	1 kV
Corrosion resistance classification CRC	1 - Low corrosion stress
PWIS conformity	VDMA24364 zone III
Degree of contamination	3