



Model: PSE-BC100DNB-E3

Features

Universal housing, an ideal replacement for a wide range of sensor types;

IP67, suitable for harsh environments; One-click distance setting, accurate and fast;

Suitable for the detection of high light objects and some transparent objects; NO and NC are switchable.

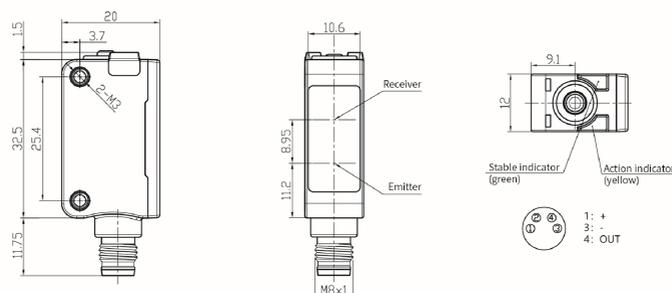
Part Number

NPN NO/NC	PSE-PM3DNBR-E3	PNP NO/NC	PSE-PM3DPBR-E3
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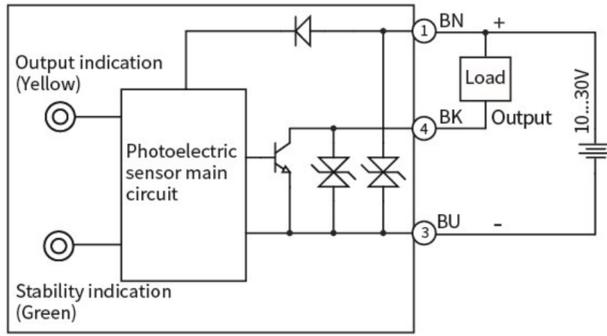
Technical Specifications

Detection type	Polarized reflection	Indicator	Green light: power, stable signal (unstable signal flash)
Rated distance	3m*		Yellow light: output, overload or short circuit (flash)
Output	NPN NO/NC or PNP NO/NC	Anti-ambient light	Anti-sunlight interference $\geq 10,000\text{lux}$; Incandescent light interference $\geq 3,000\text{lux}$
Response time	$\leq 1\text{ms}$	Operating temperature	$-25^{\circ}\text{C} \dots 55^{\circ}\text{C}$
Supply voltage	10...30 VDC	Storage temperature	$-25^{\circ}\text{C} \dots 70^{\circ}\text{C}$
Consumption current	$\leq 25\text{mA}$	Protection degree	IP67
Load current	$\leq 200\text{mA}$	Certification	CE
Voltage drop	$\leq 1\text{V}$	Production standard	EN60947-5-2:2012、IEC60947-5-2:2012
Light source	Red light(640nm)	Weight	10g
Circuit protection	Infrared (860nm)	Connection	M8 connector
Protection circuit	Short-circuit, overload, reverse polarity and zener protection	Material	Housing: PC+ABS; Filter: PMMA
NO/NC adjustment	Press the button for 5...8s, when the yellow and green light flash synchronously at 2Hz, and lift. Finish state switch.		
Distance adjustment	Press the button for 2...5s, when the yellow and green light flash synchronously at 4Hz, and lift to finish the distance setting		
	If the yellow and green light flash asynchronously @8Hz for 3s, setting fails and the product distance goes to the maximum.		

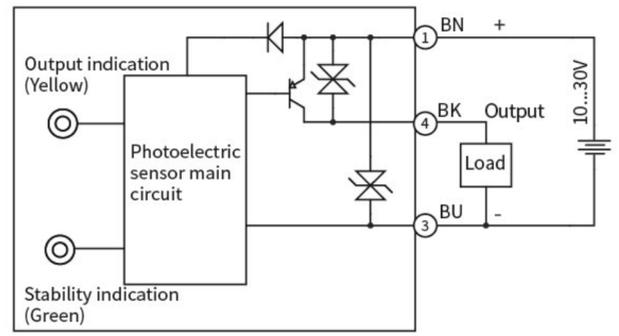
Dimensions



Circuit Diagram



NPN



PNP