

Plastic square shape photoelectric sensors PSE series



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.

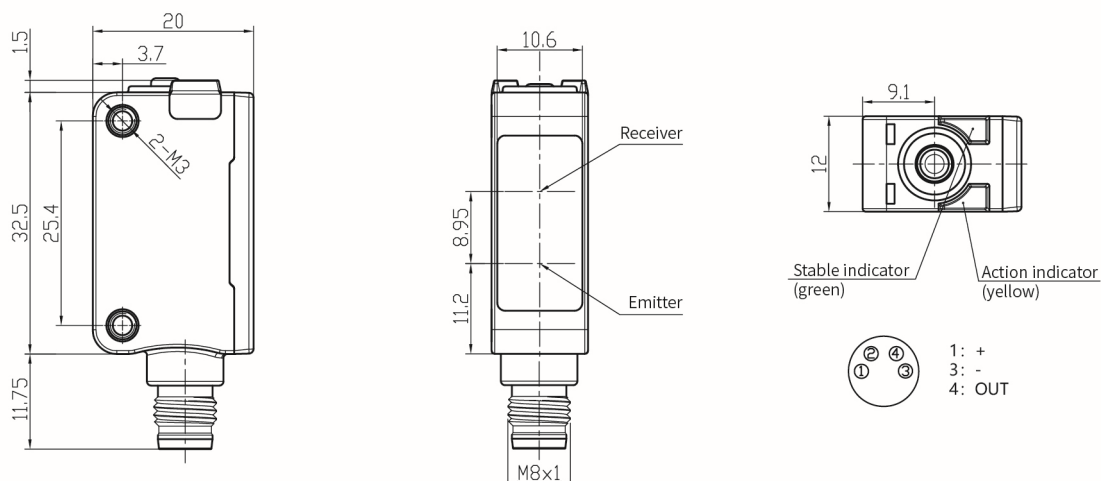


Model			
NPN NO/NC	PSE-PM3DNBR-E3	PNP NO/NC	PSE-PM3DPBR-E3

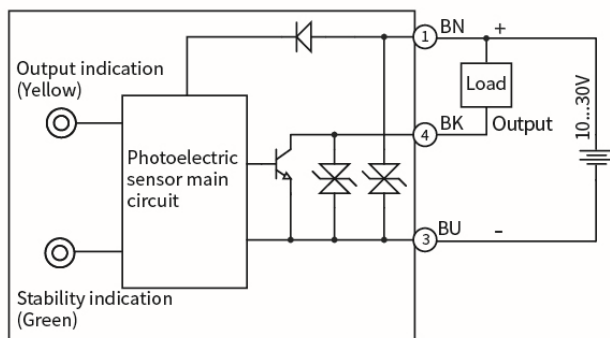
Specifications			
Detection type	Polarized reflection	Material	Housing: PC+ABS; Filter: PMMA
Rated distance	3m*	Indicator	Green light: power, stable signal (unstable signal flash)
Output	NPN NO/NC or PNP NO/NC		Yellow light: output, overload or short circuit (flash)
Response time	≤1ms	Anti-ambient light	Anti-sunlight interference ≤ 10,000lux;
Supply voltage	10...30 VDC		Incandescent light interference ≤ 3,000lux
Consumption current	≤25mA	Operating temperature	
Load current	≤200mA	Storage temperature	-25°C...70 °C
Voltage drop	≤1V	Protection degree	IP67
Light source	Red light(640nm)	Production standard	EN60947-5-2:2012、IEC60947-5-2:2012
Circuit protection	Short-circuit, overload, reverse polarity and	Weight	10g
	zener protection	Connection	M8 connector
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.		

*The data is the result for Lanbao PSE polarized reflection sensor with standard reflector TD-09.

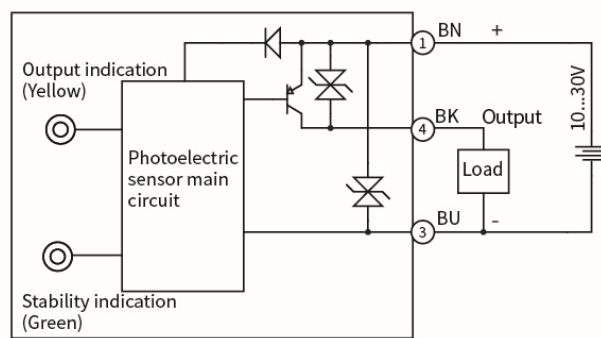
Dimensions



Circuit Diagrams



NPN



PNP