

Plastic square shape photoelectric sensors PSE series



Features

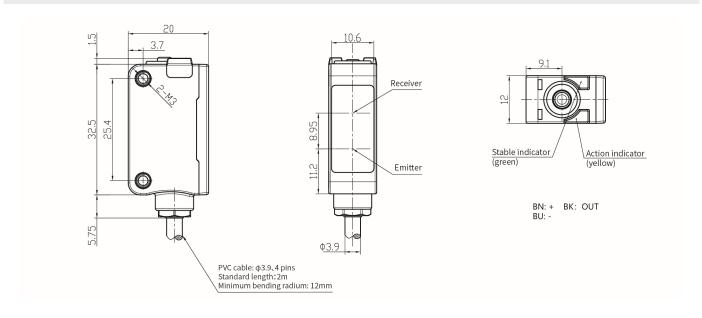
- Universal housing, an ideal replacement for a wide range of sensor types;
- IP67, suitable for harsh environments;
- One-click distance setting, accurate and fast;
- Small detection dead zone, suitable for the detection of high light objects.



Model			
NPN NO/NC	PSE-BC10DNB	PNP NO/NC	PSE-BC10DPB

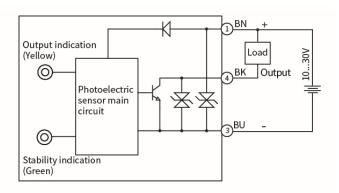
Specifications					
Detection type	Diffuse reflection (Wide-angle)	Indicator	Green light: power, stable signal (unstable signal flash)		
Rated distance	10cm		Yellow light: output, overload or short circuit (flash)		
Output	NPN NO/NC or PNP NO/NC	Anti-ambient light	Anti-sunlight interference ≤ 10,000lux;		
Response time	≤1ms		Incandescent light interference ≤ 3,000lux		
Supply voltage	1030 VDC	Operating temperature	-25°C55 °C		
Consumption current	≤25mA	Storage temperature	-25°C70 °C		
Load current	≤200mA	Protection degree	IP67		
Hysteresis range	320%	Certification	CE		
Voltage drop	≤1V	Production standard	EN60947-5-2:2012、IEC60947-5-2:2012		
Light source	Infrared (860nm)	Material	Housing: PC+ABS; Filter: PMMA		
Circuit protection	Short-circuit, overload, reverse polarity and	Weight	50g		
	zener protection	Connection	2m PVC cable		
NO/NC adjustment	Press the button for 58s, when the yellow and green light flash synchronously at 2Hz, and lift. Finish state switch.				
Distance adjustment	Press the button for 25s, 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.				

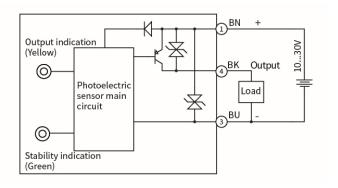
Dimensions





Circuit Diagrams





NPN PNP