

Small size photoelectric sensors PSS series



Features

- 18mm threaded cylindrical mounting, easy to install
- Short case for small installation space
- Big knob design for easy adjustment;
- IP67 protection, suitable for harsh environments;
- Small detection blind zone, applicable to detection of objects in bright background;



Model

NPN NO/NC	PSS-BC10DNB	PNP NO/NC	PSS-BC10DPB
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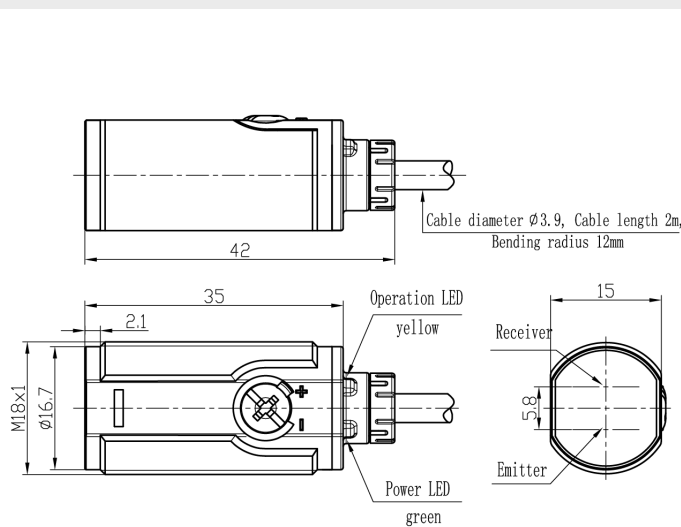
Specifications

Detection type	Diffuse reflection	Hysteresis	3...20%
Rated distance	10cm	Indicator	Green LED: power, stable
Light source	Infrared (940nm)		Yellow LED: output, short circuit or overload
Output	NPN NO/NC or PNP NO/NC	Anti-ambient light	Anti-sunlight interference $\leq 10,000\text{lux}$; Incandescent light interference $\leq 3,000\text{lux}$
Response time	$\leq 0.5\text{ms}$	Operating temperature	$-25...55\text{ }^{\circ}\text{C}$
Supply voltage	10...30 VDC	Storage temperature	$-35...70\text{ }^{\circ}\text{C}$
Consumption current	$\leq 20\text{mA}$	Protection degree	IP67
Load current	$\leq 200\text{mA}$	Certification	CE
Voltage drop	$\leq 1\text{V}$	Material	Housing: PC+ABS; Filter: PMMA
Circuit protection	Short-circuit, overload, reverse polarity protection	Annex	M18 nut (2PCS), instruction manual
Connection	2m PVC cable		
Distance adjustment	Single-turn potentiometer		
NO/NC adjustment	White wire is connected to the positive pole or hang up, NO mode; White wire is connected to the negative pole, NC mode		

Remarks:①Detection object is 90% white card with size 20cm * 20cm;

②The green LED becomes weaker, which means that the signal is weaker and the sensor is unstable; The yellow LED flashes, which means that the sensor is shorted or overloaded;

Dimensions



Circuit Diagrams

