Small size photoelectric sensors PSS series

Features

- Universal housing, an ideal replacement for a wide range of sensor types;
- IP67, suitable for harsh environments;
- Fast and stable setting;
- NO and NC are switchable;
- Visible light spots for easy installation and commissioning.

CE UKCA

Model

NPN NO/NC	PSS-BC40DNB-E2	PNP NO/NC	PSS-BC40DPB-E2

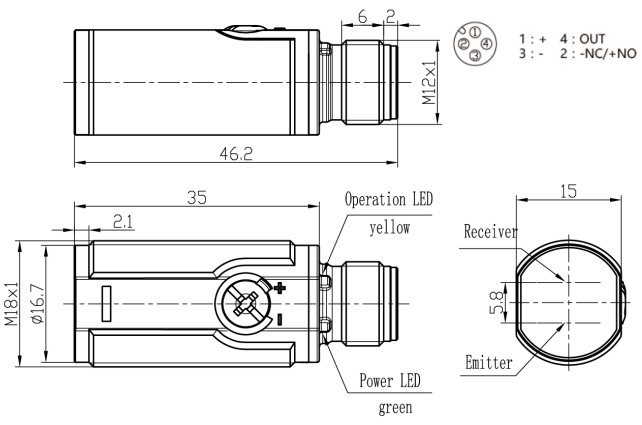
Specifications

Detection type	Diffuse reflection	Connection	M12 4-core connector
Rated distance	40cm	Hysteresis	3...20%
Light source	Infrared (940nm)	Indicator	Green LED: power, stable
Output	NPN NO/NC or PNP NO/NC		Yellow LED: output , short circuit or overload
Response time	≤0.5ms	Anti-ambient light	Anti-sunlight interference ≤ 10,000lux;
Supply voltage	10...30 VDC		Incandescent light interference ≤ 3,000lux
Consumption current	≤20mA	Operating temperature	-25...55 ºC
Load current	≤200mA	Storage temperature	-35...70 ºC
Voltage drop	≤1V	Protection degree	IP67
Distance adjustment	Single-turn potentiometer	Material	Housing: PC+ABS; Filter: PMMA
Circuit protection	Short-circuit, overload, reverse polarity protection	Annex	M18 nut (2PCS), instruction manual
NO/NC adjustment	Feet 2 is connected to the positive pole or hang up, NO mode; Feet 2 is connected to the negative pole, NC mode		

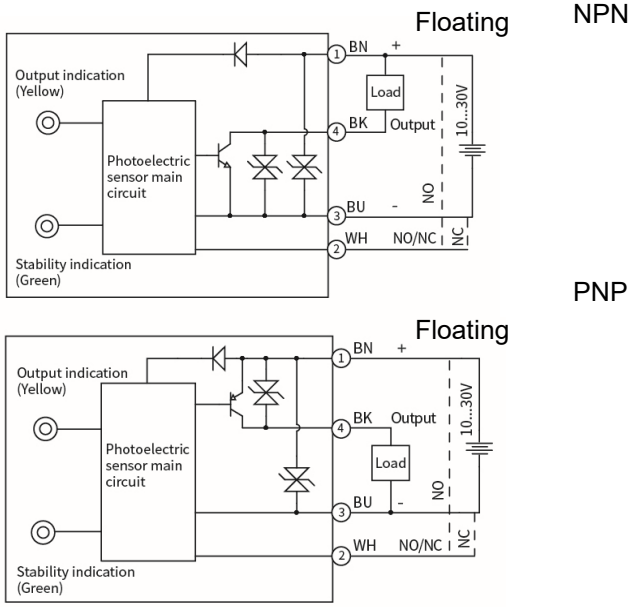
Remarks: ①Detection object is 90% white card with size 20cm * 20cm;

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



* Lanbao reserves all the rights