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, appliable to detection of objects in bright background;



Model

| NPN NO/NC | PSS-BC10DNB-E2 | PNP NO/NC | PSS-BC10DPB-E2 |
|---------------------|---|-----------------------|---|
| | | | |
| Specifications | | | |
| Detection type | Diffuse reflection | Hysteresis | 320% |
| 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 ≤ 10,000lux; |
| Response time | ≤0.5ms | | Incandescent light interference ≤ 3,000lux |
| Supply voltage | 1030 VDC | Operating temperature | -2555 °C |
| Consumption current | ≤20mA | Storage temperature | -3570 °C |
| Load current | ≤200mA | Protection degree | IP67 |
| Voltage drop | ≤1V | Certification | CE |
| Circuit protection | Short-circuit, overload, reverse polarity protection | Material | Housing: PC+ABS; Filter: PMMA |
| Connection | M12 4-core connector | Annex | M18 nut (2PCS), instruction manual |
| Distance adjustment | Single-turn potentiometer | | |
| 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: 1) Detection 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;

