

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
- With 360° visible bright LED status indicator
- Applicable to detect bright and partial transparent objects



Model

Dimensions

NPN NO/NC	PSS-PM3DNBR	PNP NO/NC	PSS-PM3DPBR
Specifications			
Detection type	Polarized reflection	Indicator	Green LED: power, stable
Detection distance	3m*		Yellow LED: output, short circuit or overload
Light source	Red light (640nm)	Anti-ambient light	Anti-sunlight interference ≤ 10,000lux
Spot size	45*45mm@100cm		Incandescent light interference ≤ 3,000lux
Output	NPN NO/NC or PNP NO/NC	Operating temperature	-2555 °C
Response time	≤0.5ms	Storage temperature	-3570 °C
Supply voltage	1030V DC	Protection degree	IP67
Consumption current	≤20mA	Certification	CE
Load current	≤200mA	Material	Housing: PC+ABS; Filter: PMMA
Voltage drop	≤1V	Connection	2m PVC cable
Distance adjustment	Single-turn potentiometer	Annex	M18 nut (2PCS), instruction manual,ReflectorTD-09
Circuit protection	Short-circuit, overload, reverse polarity protection		
NO/NC adjustment	White wire is connected to the positive pole or hangon, NO mode; White wire is connected to the negative pole, NC mode		

*This data is the result of the TD-09 test of the reflector of the Lanbao PSS polarized sensor.

**The 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;

Cable diameter Ø3.9, Cable length 2m, 42 Bending radius 12mm 35 Vellow Vellow Power LED green



