

## Small size photoelectric sensors PSS series



### Features

- 18mm threaded cylindrical mounting for easy installation;
- Short case for small installation space;
- Big angle, long distance, easy to install and debug;
- With 360° visible bright LED status indicator;
- Excellent anti-light interference, high stability;



Model					
	Emitter	Receiver		Emitter	Receiver
NPN NO/NC	PSS-TM20D-E2	PSS-TM20DNB-E2	PNP NO/NC	PSS-TM20D-E2	PSS-TM20DPB-E2

Specifications			
Detection type	Through beam	Circuit protection	Short-circuit, overload, reverse polarity protection
Rated distance	20m	Connection	M12 4-core connector
Light source	Infrared (850nm)	Indicator	Green LED: power, stable
Standard target	> $\phi$ 15mm opaque object		Yellow LED: output, short circuit or overload
Output	NPN NO/NC or PNP NO/NC	Anti-ambient light	Anti-sunlight interference $\leq$ 10,000lux;
Response time	$\leq$ 1ms		Incandescent light interference $\leq$ 3,000lux
Direction angle	> 4°	Operating temperature	-25...55 °C
Supply voltage	10...30 VDC	Storage temperature	-35...70 °C
Consumption current	Emitter: $\leq$ 20mA ; Receiver: $\leq$ 20mA	Protection degree	IP67
Load current	$\leq$ 200mA	Certification	CE
Voltage drop	$\leq$ 1V	Material	Housing: PC+ABS; Filter: PMMA
Distance adjustment	Single-turn potentiometer	Annex	M18 nut (4CS), 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: ①The 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