

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	> φ15mm 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	≤1ms			Incandescent light interference ≤ 3,000lux	
Direction angle	> 4°		Operating temperature	-2555 ℃	
Supply voltage	1030 VDC		Storage temperature	-3570 °C	
Consumption current	Emitter: ≤20mA ; Receiver: ≤20mA		Protection degree	IP67	
Load current	≤200mA		Certification	CE	
Voltage drop	≤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: 1) 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;





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