

Small size photoelectric sensors PSM 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		
NPN NO/NC	PSM-TM20D-E2	PSM-TM20DNB-E2	PNP NO/NC	PSM-TM20D-E2	PSM-TM20DPB-E2

Specifications			
Detection type	Through beam	Circuit protection	Short-circuit, overload, reverse polarity and zener protection
Rated distance	20m		
Light source	Infrared (850nm)	Indicator	Green light: power, stable signal (unstable signal flash)
Standard target	> ϕ 15mm opaque object		Yellow light: output, overload or short circuit (flash)
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	-25...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: Copper; Filter: PMMA
Distance adjustment	Single-turn potentiometer	Connection	M12 connector
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		

Dimensions	Circuit Diagrams