

## 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

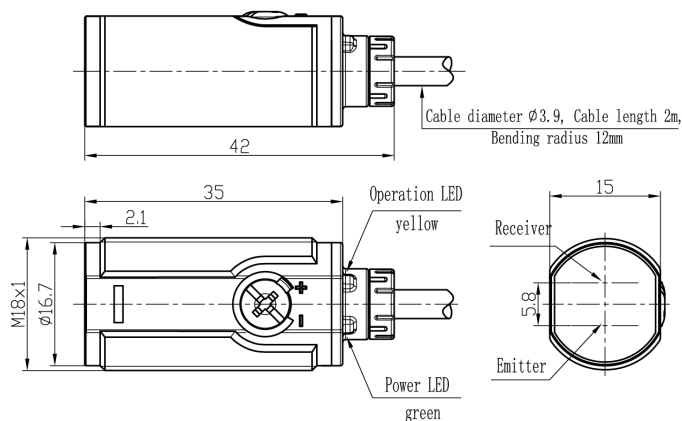
	Emitter	Receiver		Emitter	Receiver
NPN NO/NC	PSS-TM20D	PSS-TM20DNB	PNP NO/NC	PSS-TM20D	PSS-TM20DPB

### Specifications

Detection type	Through beam	Circuit protection	Short-circuit, overload, reverse polarity protection
Rated distance	20m	Connection	2m PVC cable
Light source	Infrared (850nm)	Indicator	Green LED: power, stable
Standard target	> $\phi 15$ mm opaque object		Yellow LED: output, short circuit or overload
Output	NPN NO/NC or PNP NO/NC	Anti-ambient light	Anti-sunlight interference $\leq 10,000$ lux;
Response time	$\leq 1$ ms		Incandescent light interference $\leq 30,000$ lux
Direction angle	> 4°	Operating temperature	-25...55 °C
Supply voltage	10...30 VDC	Storage temperature	-25...70 °C
Consumption current	Emitter: $\leq 20$ mA ; Receiver: $\leq 20$ mA	Protection degree	IP67
Load current	$\leq 200$ mA	Certification	CE
Voltage drop	$\leq 1$ V	Material	Housing: PC+ABS; Filter: PMMA
Distance adjustment	Single-turn potentiometer	Annex	M18 nut (4PCS), instruction manual
NO/NC adjustment	White wire is connected to the positive pole or hang up, NO mode; White wire 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

