

# Miniature photoelectric sensor PST series



## Feature description

- M3 threaded cylindrical installation, small size, easy to install and use
- With 360° visible bright LED status indicator
- Good anti-light interference, high product stability
- Red vcsel light source, easy to align



## Model specification

	Emitter	Receiver		Emitter	Receiver
NPN NO	PST-TC50DV	PST-TC50DNOR	PNP NO	PST-TC50DV	PST-TC50DPOR
NPN NC	PST-TC50DV	PST-TC50DNCR	PNP NC	PST-TC50DV	PST-TC50DPCR

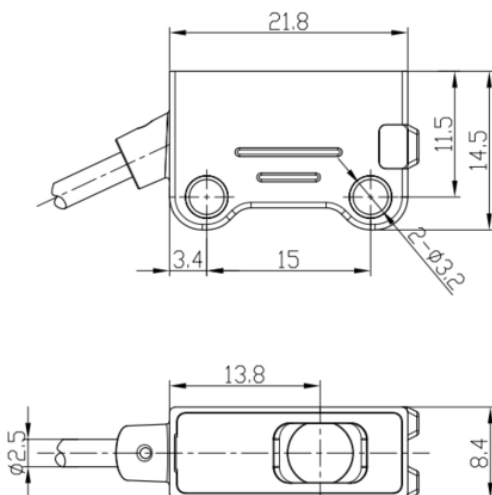
## Specifications

Sensing distance	50cm	Response time	T-on<0.5ms ; T-off<0.5ms
Min target	φ2mm above opaque objects	Anti ambient light	Sunlight interference ≤10,000 lux Incandescent light interference ≤3,000 lux
Spot size	4mm@50cm	Operation temperature	-10...45 °c(No condensation, No icing)
Supply voltage	10...30VDC	Storage temperature	-20...85 °C(No condensation, No icing)
Consumption current	Emitter:≤5mA;Receiver:≤15mA	Protection degree	IP65
Load current	≤50mA	Shell material	ABS
Voltage drop	≤1.5V	Lens	PMMA
Light source	Red Vcsel(680nm)	Connection	2m PVC cable
Indicator	Green:power supply indicator,stability indication Yellow:output indication	Accessory	Screws(M3×16mm)×2、Nut×2、 Operation manual
Protection circuit	Short circuit,reverse polarity,overload protection		

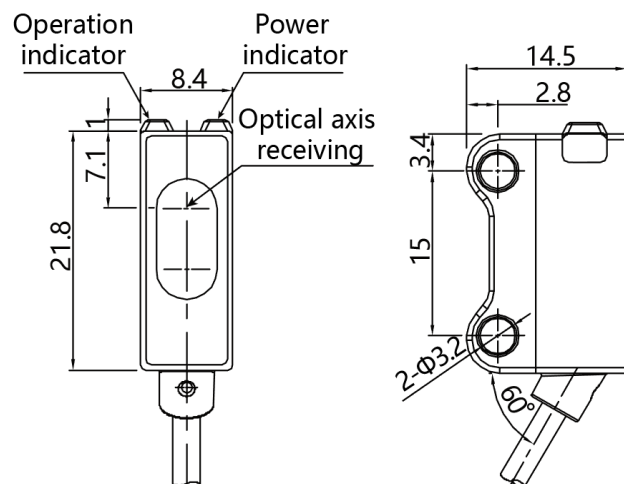
①The detection of the smallest detectable object can be achieved only under the appropriate sensitivity conditions

## Dimension

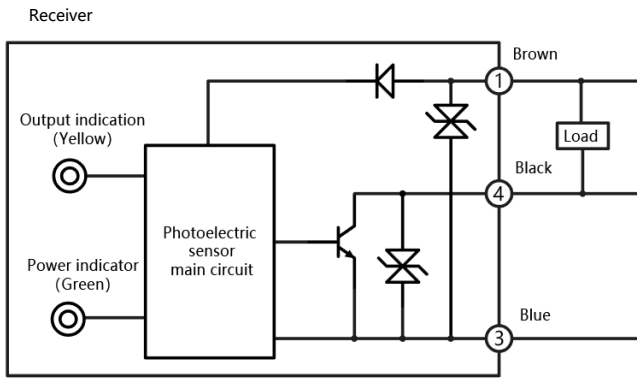
### Emitter



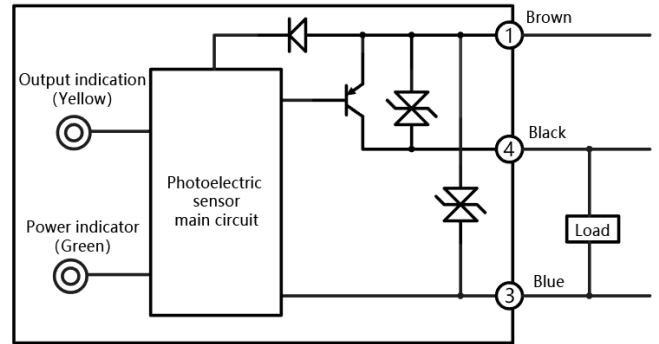
### Receiver



**Wiring diagram**



NPN



PNP

