

# 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

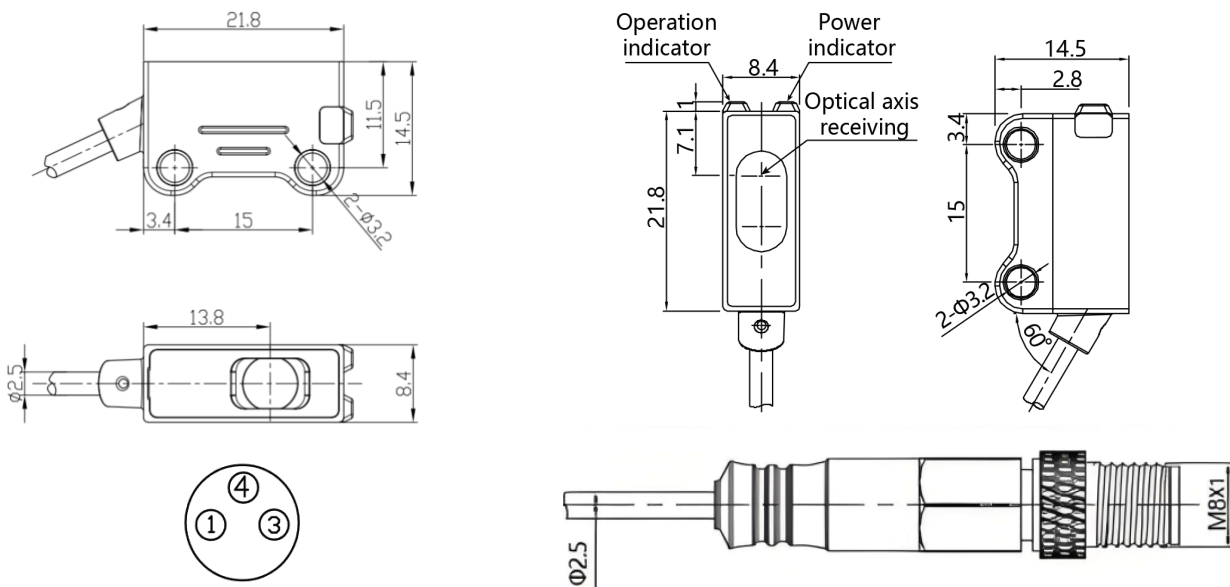
	Emitter	Receiver		Emitter	Receiver
NPN NO	PST-TC50DV-F3	PST-TC50DNOR-F3	PNP NO	PST-TC50DV-F3	PST-TC50DPOR-F3
NPN NC	PST-TC50DV-F3	PST-TC50DNCR-F3	PNP NC	PST-TC50DV-F3	PST-TC50DPCR-F3

## Specifications

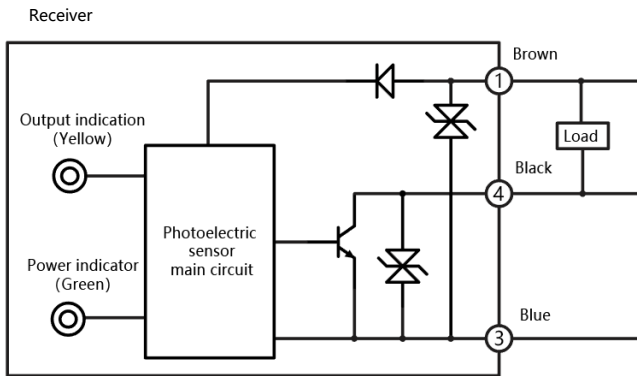
Sensing distance	50cm	Response time	T-on<0.5ms ; T-off<0.5ms
Min target	φ2mm above opaque objects	Anti ambient light	Sunlight interference ≤10,000 lux
Spot size	4mm@50cm		Incandescent light interference ≤3,000 lux
Supply voltage	10...30VDC	Operation temperature	-10...45 °c(No condensation, No icing)
Consumption current	Emitter:≤5mA;Receiver:≤15mA	Storage temperature	-30...70 °C(No condensation, No icing)
Load current	≤50mA	Protection degree	IP65
Voltage drop	≤1.5V	Shell material	ABS
Light source	Red Vcsel(680nm)	Lens	PMMA
Indicator	Green:power supply indicator,stability indication	Connection	20cm PVC+M8 connector(3-pins)
	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

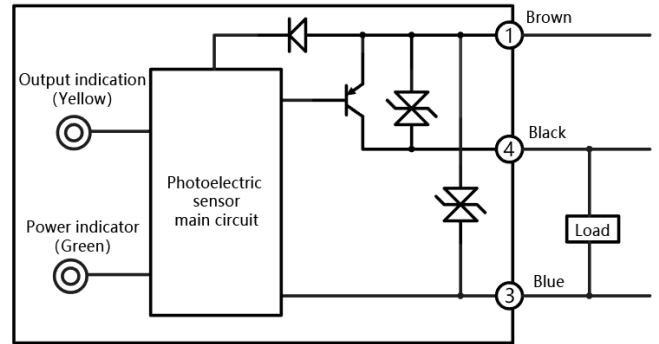
## Dimension



**Wiring diagram**



NPN



PNP

