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
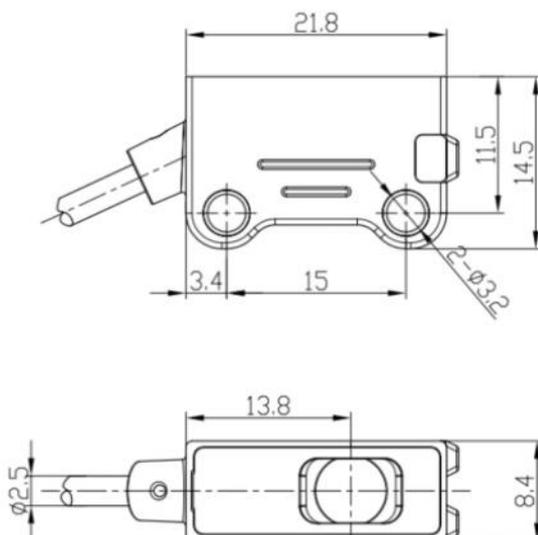- Red point light source, easy to align

CE

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
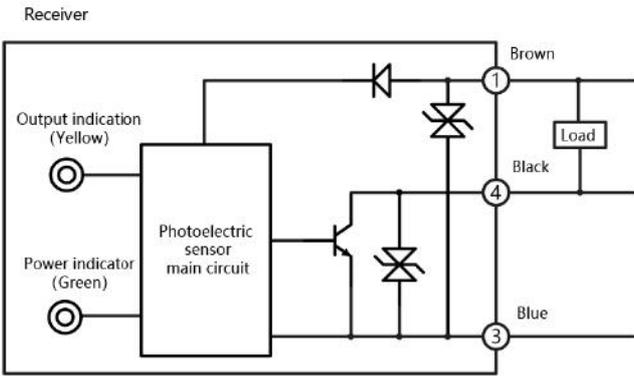
Sensing distance	50cm	Response time	T-on<0.5ms ; T-off<0.5ms
Min target	φ2mm above opaque objects	Anti ambient light	Sunlight interference ≤10,000 lux
Spot size	4mm@50cm		Incandescent light interference ≤3,000 lux
Supply voltage	10...30VDC	Operation temperature	-10...45 °c
Consumption current	Emitter:≤5mA;Receiver:≤15mA	Storage temperature	-20...85 °C
Load current	≤50mA	Protection degree	IP65
Voltage drop	≤1.5V	Shell material	ABS
Light source	Red light(680nm)	Lens	PMMA
Indicator	Green:power supply indicator,stability indication	Connection	2m PVC cable
	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
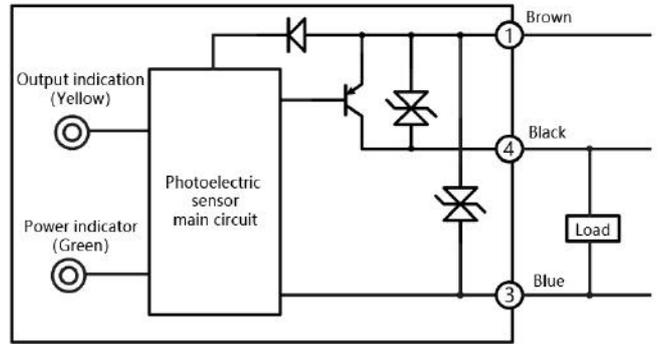
Dimension

Wiring diagram

Receiver

Output indication (Yellow)

Power indicator (Green)

Photoelectric sensor main circuit

Brown
1
Load
Black
4
Blue
3

NPN

Output indication (Yellow)

Power indicator (Green)

Photoelectric sensor main circuit

Brown
1
Black
4
Load
Blue
3

PNP

Emitter

Power indicator (Green)

Photoelectric sensor main circuit

Brown +
1
Blue -
3