

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



Model specification

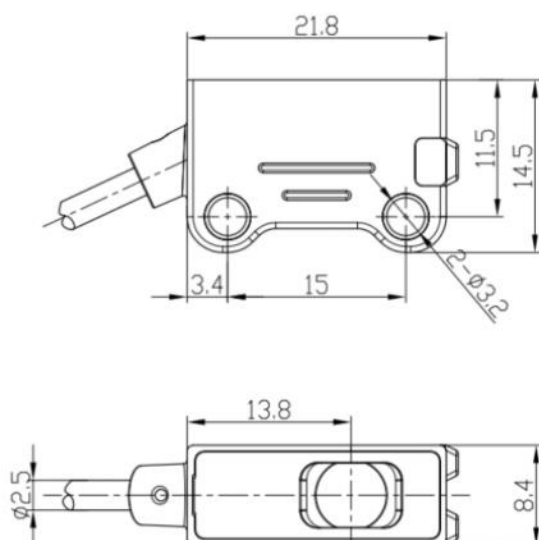
	Emitter	Receiver		Emitter	Receiver
NPN NO	PST-TC50DV	PST-TC50DNOR	PNP NO	PST-TC50DV	PST-TC50DPOR
NPN NC	PST-TC50DV	PST-TC50DNCR	PNP NC	PST-TC50DV	PST-TC50DPCR

Specifications

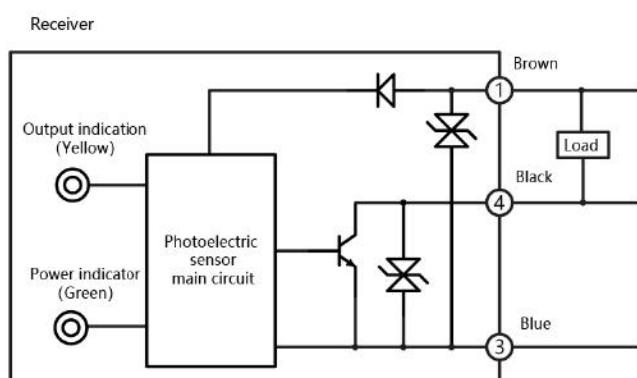
Sensing distance	50cm	Response time	T-on<0.5ms ; T-off<0.5ms
Min target	φ2mm above opaque objects	Anti ambient light	Sunlight interference ≤10,000 lux
Spot size	4mm@50cm		Incandescent light interference ≤3,000 lux
Supply voltage	10...30VDC	Operation temperature	-10...45 °C
Consumption current	Emitter:≤5mA;Receiver:≤15mA	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

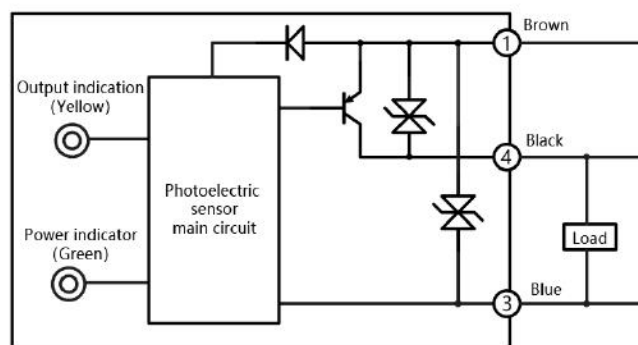
Dimension



Wiring diagram



NPN



PNP

