

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-TM2DV-F3	PST-TM2DNOR-F3	PNP NO	PST-TM2DV-F3	PST-TM2DPOR-F3
NPN NC	PST-TM2DV-F3	PST-TM2DNCR-F3	PNP NC	PST-TM2DV-F3	PST-TM2DPCR-F3

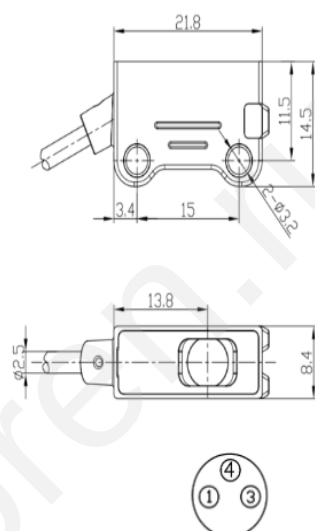
Specifications

Detection type	Through beam		Yellow:output indication
Sensing distance	2m	Protection circuit	Short circuit,reverse polarity,overload protection
Standard target	φ5mm above opaque objects	Response time	T-on<1ms T-off<1ms
Min target	φ4mm above opaque objects ^①	Anti ambient light	Sunlight interference ≤10,000 lux
Direction angle	Emitter:±1°;Receiver:±4°		Incandescent light interference ≤3,000 lux
Spot size	13mm@2m	Operation temperature	-10...45 °C(No condensation, No icing)
Supply voltage	10...30VDC	Storage temperature	-30...70 °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	20cm PVC+M8 connector (3-pins)
Indicator	Green:power supply indicator,stability indication	Accessory	Screws(M3×16mm)×2, Nut×2, Operation manual

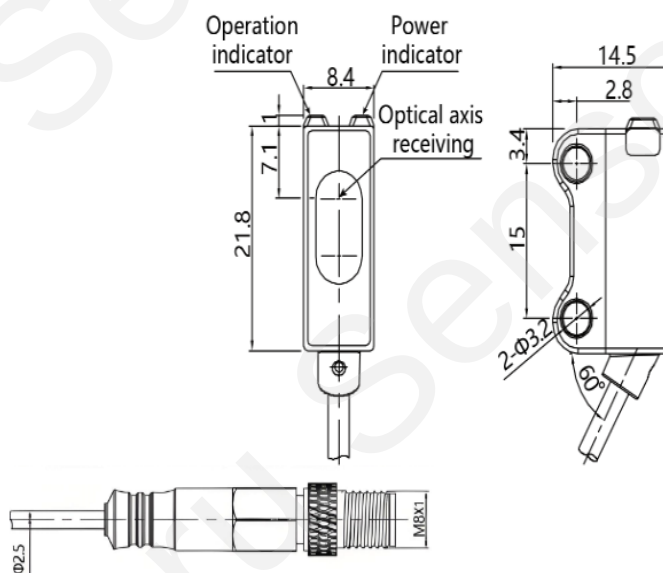
①The detection of the smallest detectable object can be achieved only under the appropriate sensitivity conditions

Dimension

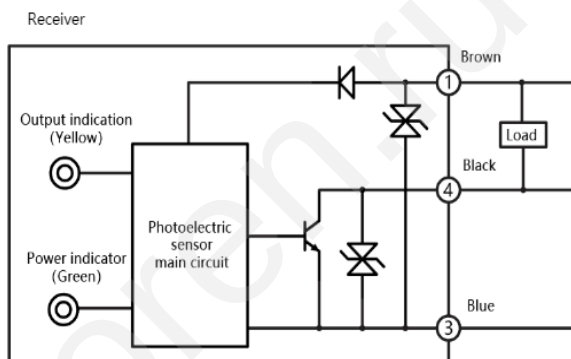
Emitter



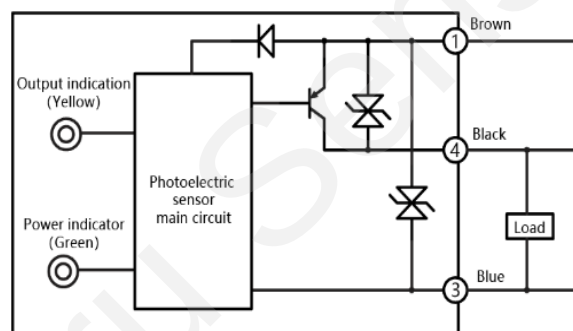
Receiver



Wiring diagram



NPN



PNP

