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
- Small spot, stable detection of small objects
- Good background suppression and color sensitivity, stable detection of black objects

CE

Model specification

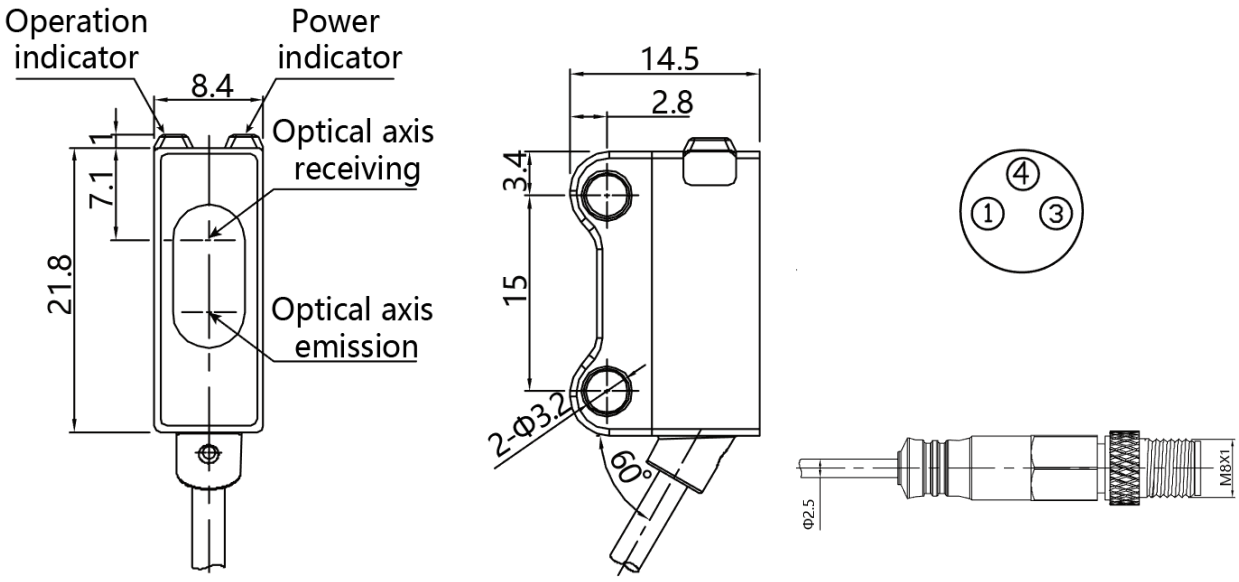
NPN NO	PST-YC8DNOR-F3	PNP NO	PST-YC8DPOR-F3
NPN NC	PST-YC8DNCR-F3	PNP NC	PST-YC8DPCR-F3

Specifications

Sensing distance	8cm	Indicator	Green:power supply indicator,stability indication
Dead zone	<20mm		Yellow:output indication
Standard target	100*100mm white card	Response time	<1ms
Min target	φ1mm	Anti ambient light	Sunlight interference ≤10,000l ux
Spot size	2mm@100mm		Incandescent light interference ≤3,000 lux
Color sensitivity	>90%	Operation temperature	-20...55 °C
Return difference	<20%	Storage temperature	-30...70 °c
Supply voltage	10...30VDC	Protection degree	IP65
Consumption current	≤15mA	In conformity with standards	CE
Load current	≤50mA	Shell material	ABS
Pressure drop	≤1.5V	Lens	PMMA
Light source	Red light(680nm)	Connection	20cm PVC+M8 connector (3-pins)
Protection circuit	Short circuit,reverse polarity,overload protection	Accessory	Screws(M3×16mm)×2、Nut×2、Operation manual

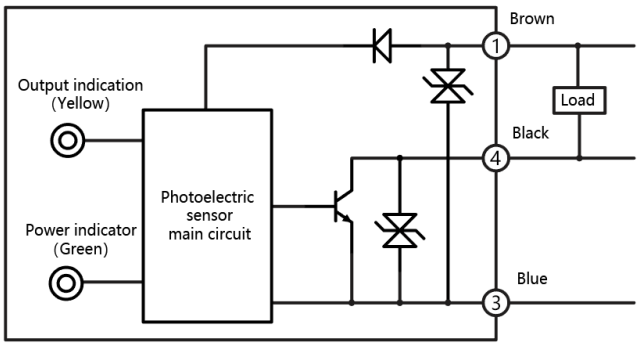
Remark: Use 100*100mm white card whose reflectivity is greater than 90%

Dimension

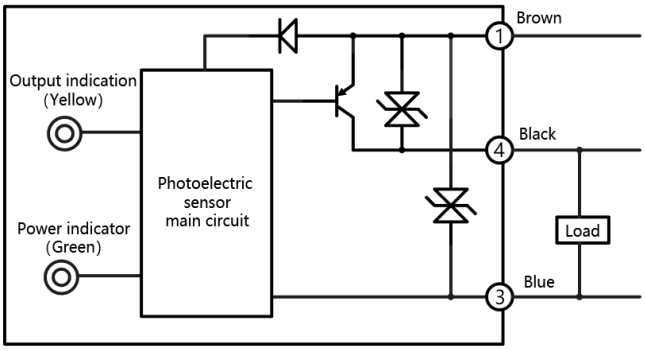


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Wiring diagram



NPN



PNP

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