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 dot light source design, bright spot, easy to align
- Good background suppression and color sensitivity, stable detection of black objects

CE

Model specification

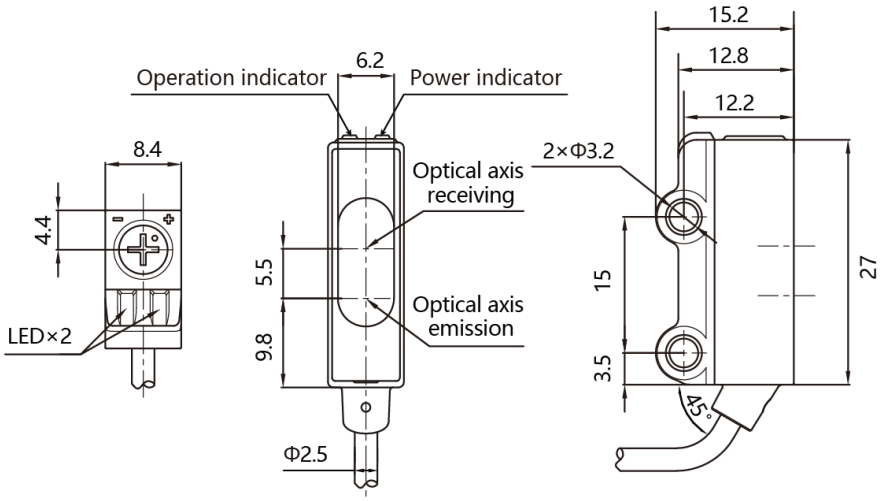
NPN NO	PST-YR30DNOR	PNP NO	PST-YR30DPOR
NPN NC	PST-YR30DNCR	PNP NC	PST-YR30DPCR

Specifications

Detection distance	30mm*	Light source	Red light(640nm)
Detection of test	4...36mm	Response time	T-on:<5ms;T-off:<5ms
Dead zone	<4mm	Indicator	Green: Power Indicator
Standard target	100*100mm white card		Yellow: Output indication
Smallest detector	Φ3mm	Anti ambient light	Sunshine interference≤10,000 lux;
Distance adjustment	knob		Incandescent light interference ≤3,000 lux
Light spot size	5mm@30mm	Operating temperature	-20...55 ℃
Color sensitivity	85%	Storage temperature	-30...70 ℃
Hysteresis	<20%	Protection degree	IP65
Supply voltage	10...30VDC	In conformity with standards	CE
Consumption current	≤15mA	Housing material	ABS
Load current	≤50mA	Lens	PMMA
Voltage drop	≤1.5V	Connection	2m PVC cable
Circuit protection	Short circuit protection, overload protection,	Accessories	M3 Screws(length16mm)、Nut×2、
	reverse polarity protection		Operation manual

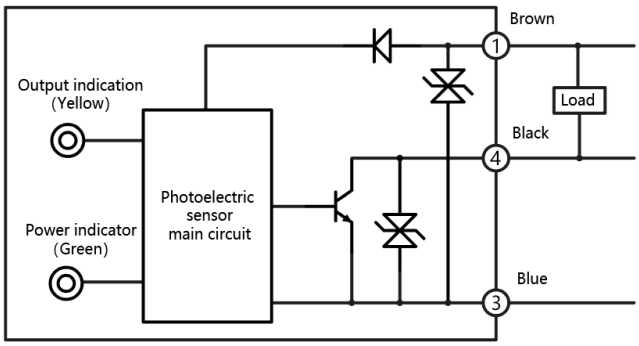
Remark: *This is data measuring from 100mm*100mm 90% white card.

Dimensions

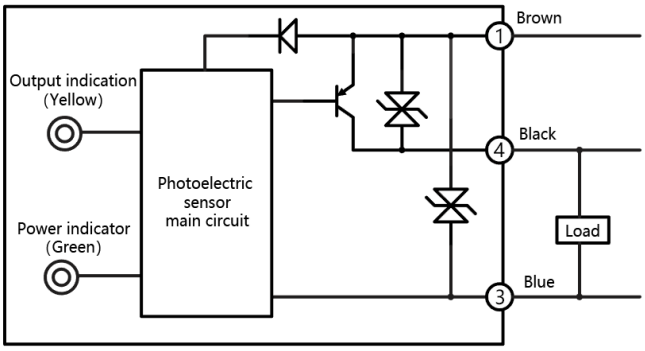


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Wiring diagram



NPN



PNP

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