

Plastic square photoelectric sensor **PSE** series



Features

- Laser light source, long distance
- Ultra-small light spot, accurate positioning
- Universal dimension
- IP67 protection grade, suitable for harsh environments



Part number

NPN	NO+NC	PSE-YC15DNRL-E3	PNP	NO+NC	PSE-YC15DPRL-E3
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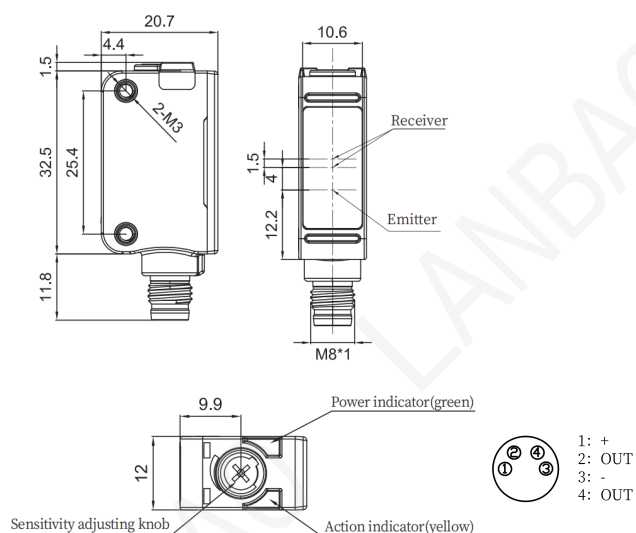
Technical specifications

Detection method	Background suppression	Circuit protection	Short circuit protection, overload protection,
Detection distance	15cm		reverse polarity protection, zener protection
Output type	NPN NO+NC Or PNP NO+NC	Indicator	Green light:power, stable signal
Distance adjustment	Multi-turn knobadjustment		Yellow light:output, overload or short circuit(flash)
Light spot size	≤2mm@15cm	Anti ambient light	Anti-sunlight interference ≤10,000lux;
NO/NC adjustment	Black wire NO, white wire NC		Incandescent light interference ≤3,000lux
Supply voltage	10...30VDC, Ripples≤10%VP-P	Operating temperature	-10°C...50°C(no frost or condensation on lens surfaces)
Consumption current	≤20mA	Storage temperature	-40°C...70°C(no frost or condensation on lens surfaces)
Load current	≤100mA	Protection degree	IP67
Voltage drop	≤1.5V	Production standard	EN60947-5-2:2012、IEC60947-5-2:2012
Light source	Red laser(650nm) Class1	Material	Housing:PC+ABS; Optical elements:Plastic PMMA
Response time	T-on:≤0.5ms;T-off:≤0.5ms	Weight	10g
Hysteresis range	<5%	Connection	M8 4-pin connector
Blind zone	< 10mm*		

*Blind zone of white card with 90% reflectivity is < 2mm; Blind zone of black card with 6% reflectivity is < 5mm.

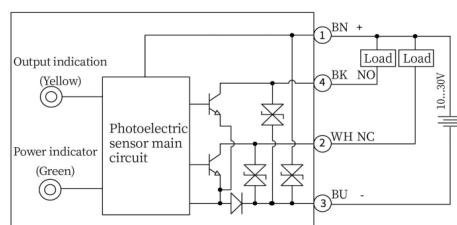
When using the product, if there is side-by-side installation, please keep the interval between two adjacent sensors >5cm; at the same time, avoid opposite installation, please use staggered.

Dimensions



Wiring diagram

NPN



PNP

