

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-YC35DNRL	PNP NO+NC	PSE-YC35DPRL
-----------	--------------	-----------	--------------

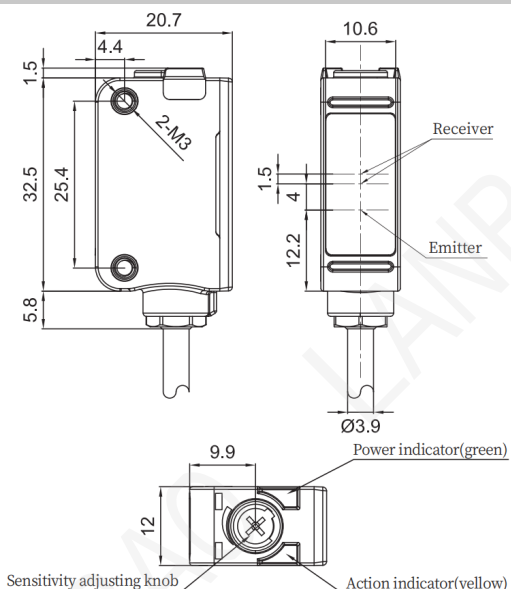
Technical specifications

Detection method	Background suppression	Circuit protection	Short circuit protection, overload protection, reverse polarity protection, zener protection
Detection distance	35cm	Indicator	Green light:power, stable signal Yellow light:output, overload or short circuit(flash)
Output type	NPN NO+NC Or PNP NO+NC	Anti ambient light	Anti-sunlight interference ≤10,000lux; Incandescent light interference ≤3,000lux
Distance adjustment	Multi-turn knob adjustment	Operating temperature	-10°C...50°C(no frost or condensation on lens surfaces)
Light spot size	≤2mm@35cm	Storage temperature	-40°C...70°C(no frost or condensation on lens surfaces)
NO/NC adjustment	Black wire NO, white wire NC	Protection degree	IP67
Supply voltage	10...30 VDC, Ripple≤10%VP-P	Production standard	EN60947-5-2:2012、IEC60947-5-2:2012
Consumption current	≤20mA	Material	Housing:PC+ABS; Optical elements:Plastic PMMA
Load current	≤100mA	Weight	50g
Voltage drop	≤1.5V	Connection	2m PVC cable
Light source	Red laser(650nm) Class1		
Response time	T-on:≤0.5ms;T-off:≤0.5ms		
Hysteresis range	<5%		
Blind zone	< 10mm*		

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

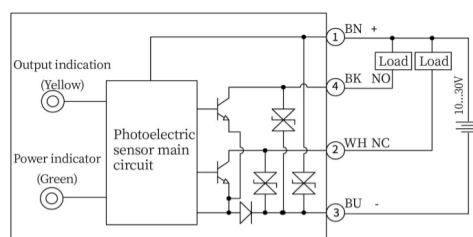
When using the product, if there is side-by-side installation, please keep the interval between two adjacent sensors>5cm; at the same time, avoid opposite installation, please use staggered.

Dimensions



Wiring diagram

NPN



PNP

