Plastic square shape photoelectric sensors PSE series



Features

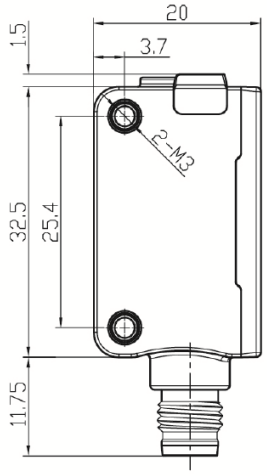
- Universal housing, an ideal replacement for a wide range of sensor types;
- IP67, suitable for harsh environments;
- Background suppression type, stable detection of both white and black targets;
- Visible light spots for easy installation and commissioning.

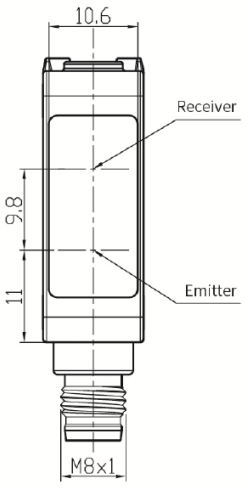
CE

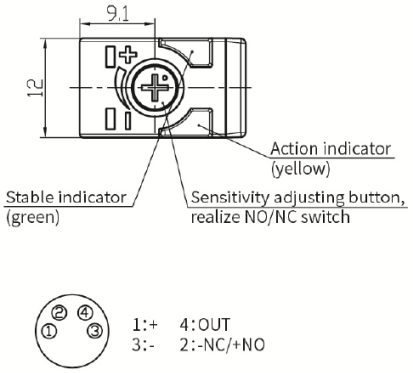
Model			
NPN NO/NC	PSE-YC25DNBR-E3	PNP NO/NC	PSE-YC25DPBR-E3

Specifications			
Detection type	Background reflection	Indicator	Green light: power
Rated distance	25cm		Yellow light: output, overload or short circuit (flash)
Output	NPN NO/NC or PNP NO/NC	Anti-ambient light	Anti-sunlight interference ≤ 10,000lux;
Distance adjustment	5-turn knob adjustable		Incandescent light interference ≤ 3,000lux
Response time	3.5ms	Operating temperature	-25ºC...55 ºC
Spot size	7mm@35cm	Storage temperature	-25ºC...70 ºC
Hysteresis range	＜5%	Protection degree	IP67
Supply voltage	10...30 VDC	Certification	CE
Consumption current	≤20mA	Production standard	EN60947-5-2:2012、IEC60947-5-2:2012
Load current	≤100mA	Material	Housing: PC+ABS；Filter: PMMA
Voltage drop	≤1V	Weight	10g
Light source	Red light (640nm)	Connection	M8 connector
Circuit protection	Short-circuit, overload, reverse polarity and zener protection		
NO/NC adjustment	The status of white wire connected to the negative is NC, while connected to the positive hanging is NO.		

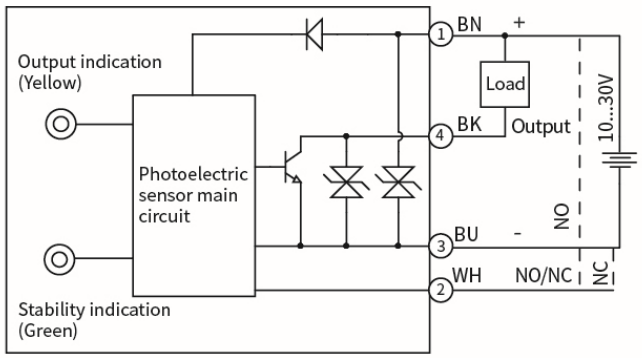
Dimensions



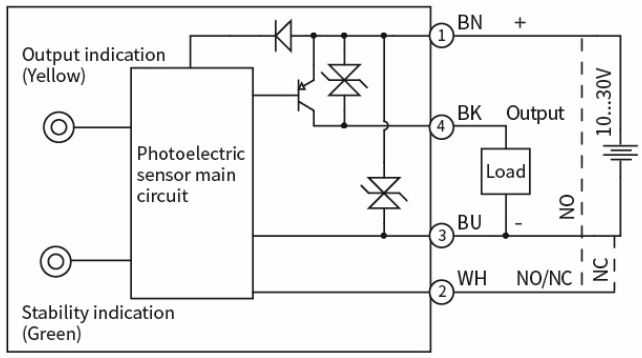




Circuit Diagrams



NPN



PNP

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