

Small square photoelectric sensor **PSE** series



Features

- ◆ Universal housing, an ideal replacement for a wide range of sensor types
- ◆ IP67, suitable for harsh environments
- ◆ Large knob design, convenient and fast adjustment distance
- ◆ Small detection Blind zone, suitable for the detection of high light objects



Part number

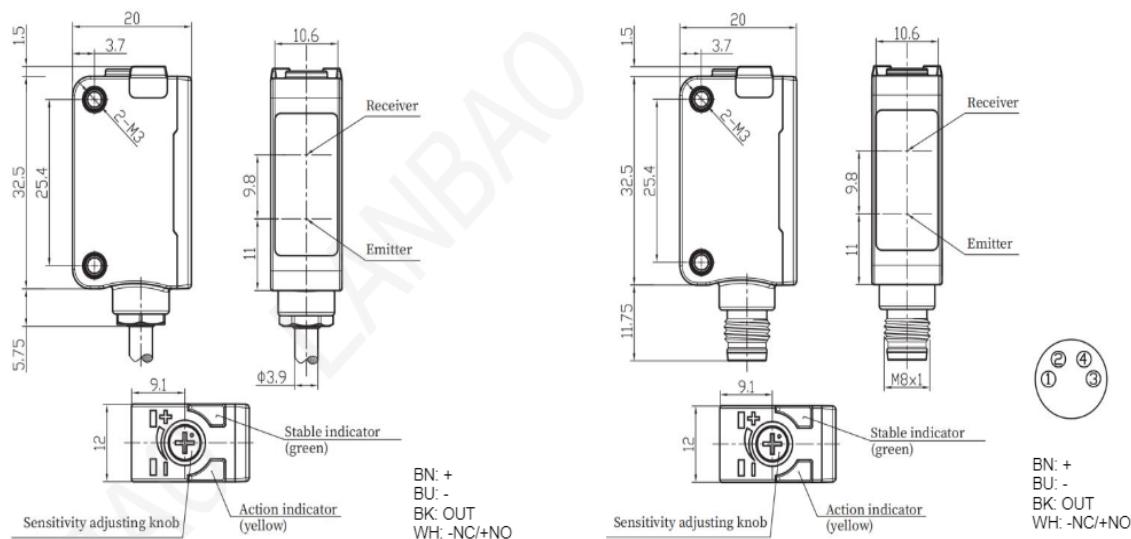
Cable	Connector
NPN NO/NC	PSE-YC5DNBR
PNP NO/NC	PSE-YC5DPBR
NPN NO/NC	PSE-YC5DNBRG ^①
PNP NO/NC	PSE-YC5DPBRG ^①
	NPN NO/NC PSE-YC5DNBR-E3
	PNP NO/NC PSE-YC5DPBR-E3
	NPN NO/NC PSE-YC5DNBRG-E3 ^②
	PNP NO/NC PSE-YC5DPBRG-E3 ^②

Technical specifications

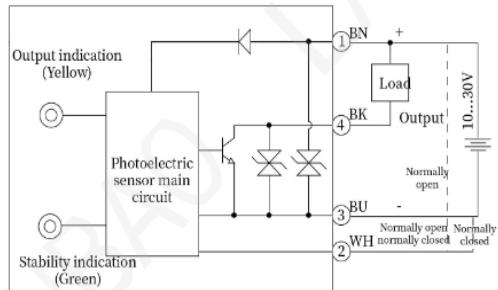
Detection method	Background suppression	Circuit protection	Short circuit, Reverse polarity, Overload, Zener protection
Detection distance ^①	0.2...5cm	Indicator	Green: Power indicator; Yellow: Output, overload or short circuit
Distance adjustment	5-turn knob adjustment		
NO/NC Switch	The white wire connected to the positive electrode or floating is NO, and the white wire connected to the negative electrode is NC	Anti-ambient light	Sunlight interference≤10,000 lux; Anti-incandescent light interference≤3,000 lux
			Ambient temperature -25°C...55°C
Light source	Red (630nm)	Storage temperature	-25°C...70°C
Light spot size	φ2mm@5cm	Protection degree	IP67
Supply voltage	10...30 VDC	Material	PC+ABS
Return difference	<2%	Lens	PMMA
Consumption current	≤20mA	Weight	Cable: about 50g; Connector: about 10g
Load current	≤100mA	Connection	Cable: 2m PVC cable; Connector: M8 4-pins connector
Voltage drop	<1V	Accessories	Screw×2, Mounting bracket ZJP-8, Operation manual
Response time ^②	High response frequency: 1.5ms; Other: 3.5ms		

Note: ①The standard detection target is a white card of 20cm*20cm (90% reflectivity) ②The model with G is the high response frequency version

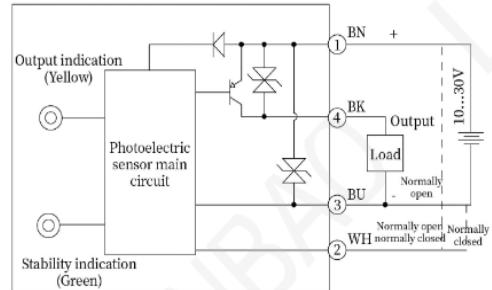
Dimensions



Wiring diagram



NPN



PNP