

Plastic square shape photoelectric sensors PSE series



Features

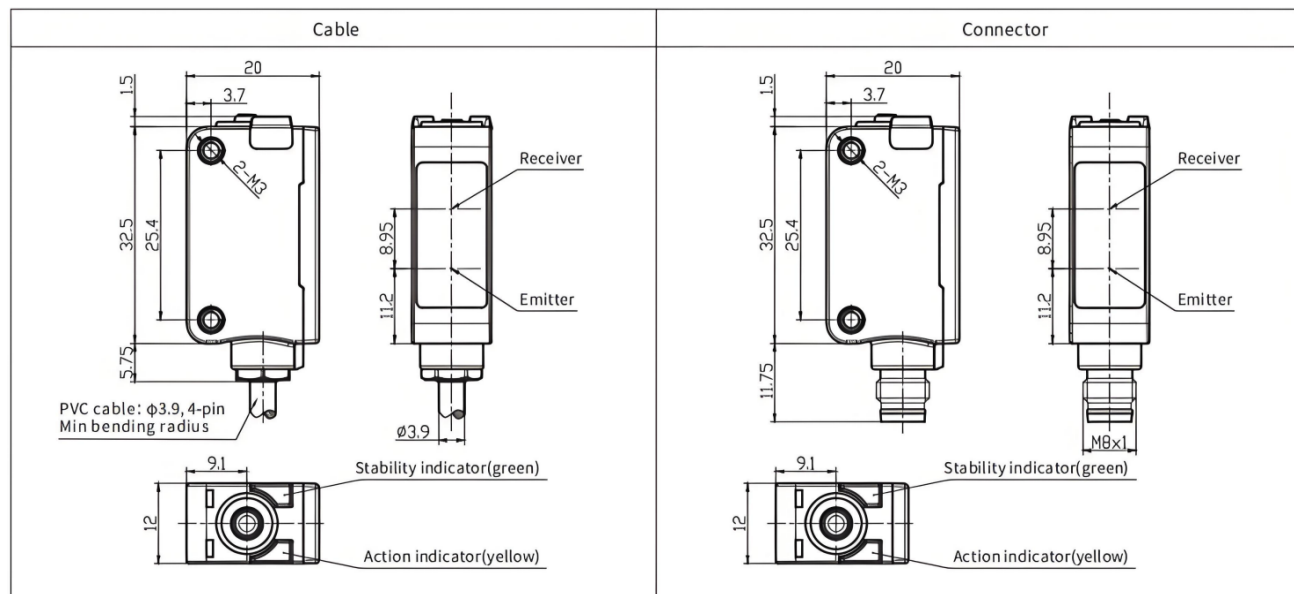
- Universal housing, an ideal replacement for a wide range of sensor types;
- IP67, suitable for harsh environments;
- One-click NO/NC setting, accurate and fast;
- Small light spot;



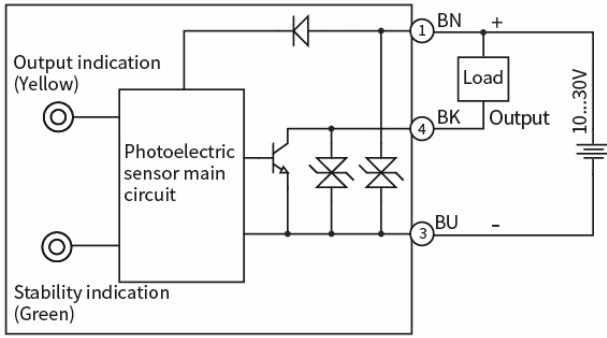
Model			
2M cable NPN NO/NC	PSE-PM1DNBV	2M cable PNP NO/NC	PSE-PM1DPBV
M8 connection NPN NO/NC	PSE-PM1DNBV-E3	M8 connection PNP NO/NC	PSE-PM1DPBV-E3
Specifications			
Detection type	Polarized reflection	Indicator	Green light: power, stable signal (unstable signal flash)
Rated distance	1m(no-adjusted)		Yellow light: output, overload or short circuit (flash)
Output	NPN NO/NC or PNP NO/NC	Anti-ambient light	Anti-sunlight ≤ 10,000lux; Incandescent light ≤ 3,000lux
Response time	≤1ms	Operating temperature	- 10...45 °C(No condensation, No icing)
Supply voltage	10...30VDC(Ripple P-P: < 10%)	Storage temperature	-25°C...70 °C(No condensation, No icing)
Consumption current	≤25mA	Protection degree	IP67
Load current	≤200mA	Material	Housing: PC+ABS; Filter: PMMA
Voltage drop	mV(Voltage drop<10mA),<2V(Voltage drop<100mA)	Weight	50g/10g
Light source	Red light(680nm)	Accessory	Mounting Bracket ZJP-8, Screws×2, TD-09 reflector
Circuit protection	Short-circuit, overload, reverse polarity and zener protection		Operation manual
NO/NC adjustment	Press the button for 5...8s, when the yellow and green light flash synchronously at 2Hz, and lift. Finish state switch.	Connection	2m PVC cable/M8 4pin connector

*The data is the result for Lanbao PSE polarized reflection sensor with standard reflector TD-09.

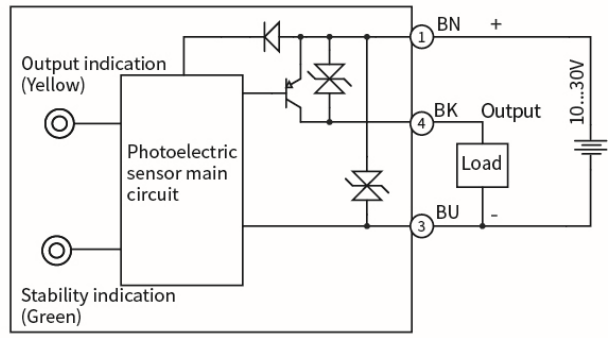
Dimensions



Circuit Diagrams



NPN



PNP