

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;
- Large knob design, convenient and fast adjustment distance;
- Designed with a red point source for easy calibration.



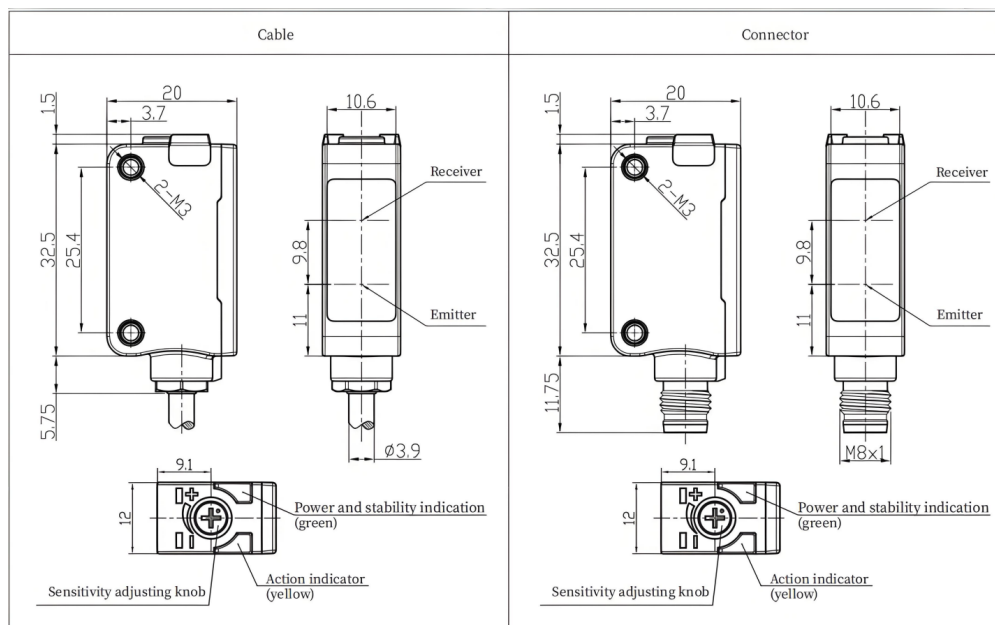
Model

Cable NPN NO/NC	PSEP-BC30DNBR	Cable PNP NO/NC	PSEP-BC30DPBR
Connector NPN NO/NC	PSEP-BC30DNBR-E3	Connector PNP NO/NC	PSEP-BC30DPBR-E3

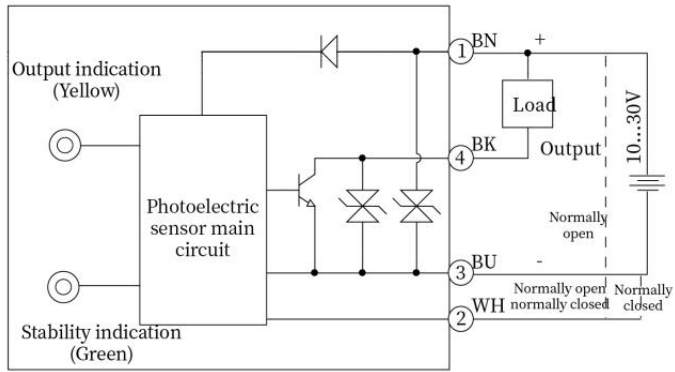
Specifications

Detection type	Diffuse reflection	Distance adjustment	Adjusting tap
Rated distance	30cm	Indicator	Green light: power, stable signal (unstable signal flash)
Output	NPN NO/NC or PNP NO/NC		Yellow light: output, overload or short circuit (flash)
Spot diameter	13mm@30cm	Anti-ambient light	Anti-sunlight interference $\leq 10,000\text{lux}$;
Response time	T-on $\leq 1\text{ms}$, T-off $\leq 1\text{ms}$		Incandescent light interference $\leq 3,000\text{lux}$
Supply voltage	10...30 VDC	Operating temperature	-25°C...55 °C(no condensation)
Consumption current	$\leq 12\text{mA}$	Storage temperature	-25°C...70 °C
Load current	$\leq 100\text{mA}$	Protection degree	IP67
Hysteresis range	3...20%	Production standard	EN60947-5-2:2012、IEC60947-5-2:2012
Voltage drop	$\leq 1.5\text{V}$	Material	Housing: PC+ABS; Filter: PMMA
Light source	Red light (640nm)	Weight	50g/10g
Circuit protection	Short-circuit, overload, reverse polarity and	Connection	2m PVC cable/M8 4-pin connector
	zener protection	Accessories	Screws×2、Mounting bracket ZJP-8
NO/NC adjustment	Drive-by-wire		

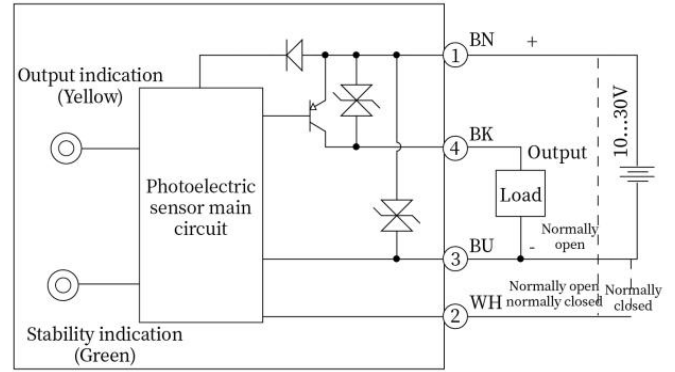
Dimensions



Circuit Diagrams



NPN



PNP