

Plastic square shape photoelectric sensors PSR series



Features

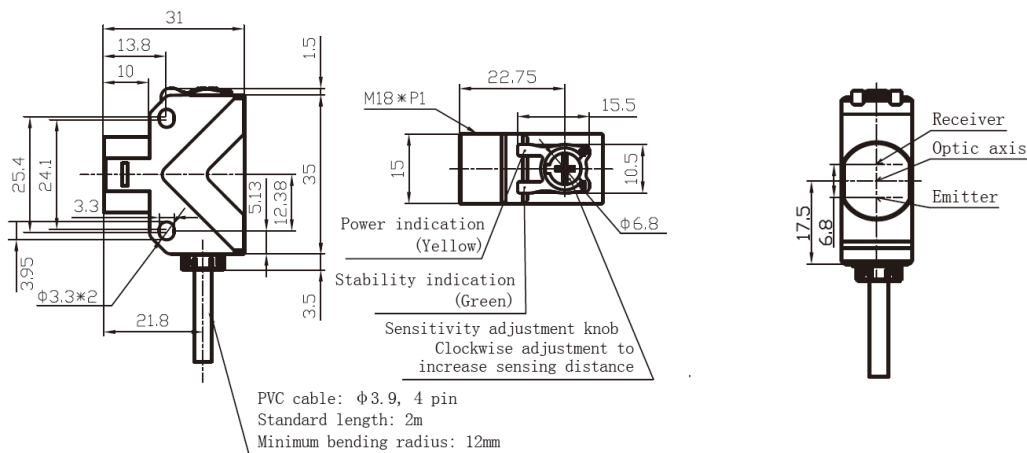
- ◆ 18mm threaded cylindrical installation or side installation, it is an ideal substitute for various styles of sensors;
- ◆ Compliant with IP67, suitable for harsh environments;
- ◆ With 360° visible bright LED status indicator;
- ◆ Visible light spot, easy to install and debug.



Part number

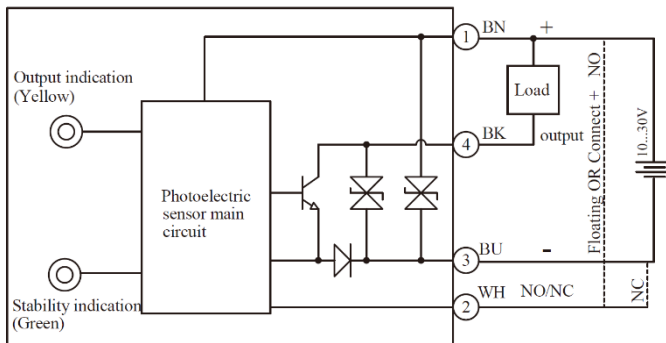
NPN	PSR-BC30DNBR	PNP	PSR-BC30DPBR
Technical specifications			
Detection type	Diffuse reflection	Anti-ambient light	Anti-ambient light interference < 10,000lx; Incandescent light interference < 3,000lx
Rated distance [Sn]	5...300mm	Indicator display	Green light: power indication, stable indication (blinking means unstable signal)
Light source	Red LED (660nm)		Yellow light: output indication, short circuit or overload indication (flashing)
Light spot	18*18mm@30cm		
Output	NO/NC	Ambient temperature	-15°C...60°C
Hysteresis range [%/Sr]	3...20%	Ambient humidity	35-95%RH (non-condensing)
Supply voltage	10...30VDC	Voltage withstand	1000V/AC 50/60Hz 60s
Load current	≤100mA	Insulation resistance	≥50MΩ(500VDC)
Residual voltage	≤1V	Vibration resistance	10...50Hz (0.5mm)
Distance adjustment	Single-turn potentiometer	Degree of protection	IP67
Consumption current	≤20mA	Housing material	ABS
Circuit protection	Short-circuit, overload, reverse polarity and zener protection	Installation method	Composite installation
Response time	≤1ms	Optical components	Plastic PMMA
NO/NC adjustment	NO: white line is connected to the positive electrode;	Weight	52g
	NC: white line is connected to the negative electrode;	Connection type	2m PVC cable

Dimensions



Wiring diagram

NPN



PNP

