

Plastic square shape photoelectric sensors **PSR** series



Features

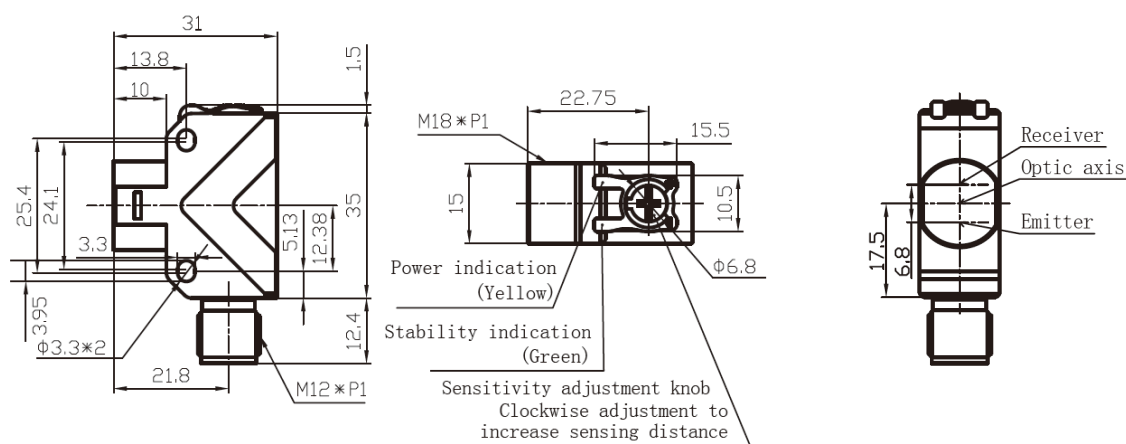
- ◆ 18mm threaded cylindrical installation or side installation, it is an ideal substitute for various styles of sensors;
- ◆ Unique optical design can realize stable detection of bright objects;
- ◆ With 360° visible bright LED status indicator;
- ◆ Visible light spot, easy to install and debug.



Part number

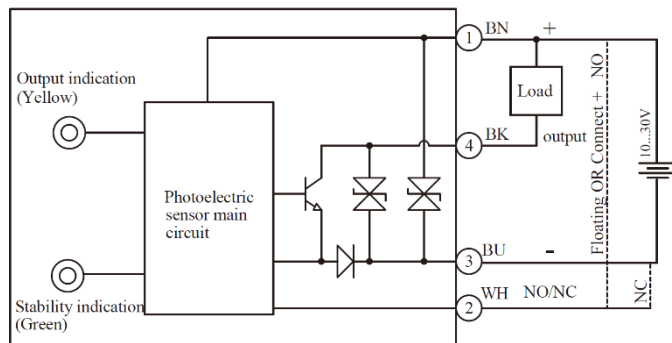
NPN		PSR-PM3DNBR-E2		PNP		PSR-PM3DPBR-E2	
Technical specifications							
Detection type	Polarized reflection			Anti-ambient light	Anti-ambient light interference < 10,000lx;		
Rated distance [Sn]	0...3m				Incandescent light interference < 3,000lx		
Light source	Red LED (660nm)			Indicator display	Green light: power indication, stable indication (blinking		
Light spot	180*180mm@3m				means unstable signal)		
Output	NO/NC				Yellow light: output indication, short circuit or overload		
Supply voltage	10...30VDC				indication (flashing)		
Load current	≤100mA			Ambient humidity	35...95%RH (non-condensing)		
Residual voltage	≤1V			Voltage withstand	1000V/AC 50/60Hz 60s		
Distance adjustment	Single-turn potentiometer			Insulation resistance	≥50MΩ (500VDC)		
Consumption current	≤20mA			Vibration resistance	10...50Hz (0.5mm)		
Circuit protection	Short-circuit, overload, reverse polarity			Degree of protection	IP67		
	and zener protection			Housing material	ABS		
Response time	≤1ms			Installation method	Composite installation		
Ambient temperature	-15°C...60°C			Optical components	Plastic PMMA		
NO/NC adjustment	NO: 2 feet is connected to the positive			Weight	10g		
	electrode;			Connection type	M12 connector		
	NC: 2 feet is connected to the negative						
	electrode:						

Dimensions



Wiring diagram

NPN



PNP

