# Plastic square shape photoelectric sensors PSE series



## Features

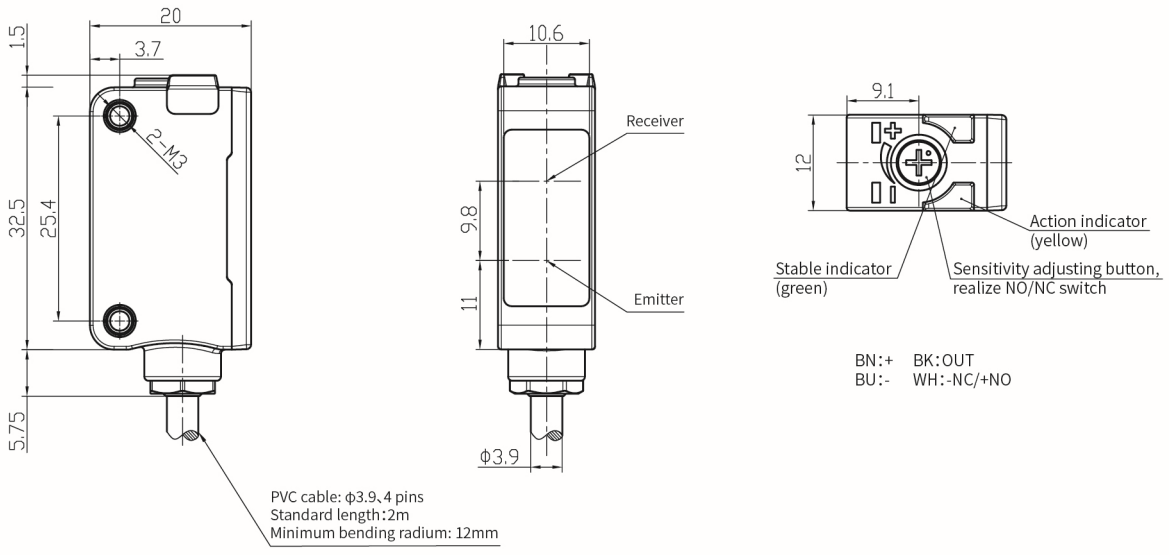
- Universal housing, an ideal replacement for a wide range of sensor types;
- IP67, suitable for harsh environments;
- One-click distance setting, accurate and fast;
- Background suppression type, stable detection of both white and black targets;
- Visible light spots for easy installation and commissioning.

CE

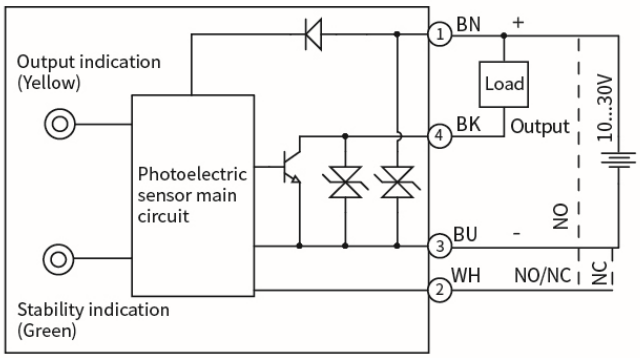
| Model | | | |
|---|---|---|---|
| NPN NO/NC | PSE-YC35DNBR | PNP NO/NC | PSE-YC35DPBR |

| Specifications | | | |
|---|---|---|---|
| Detection type | Background reflection | Indicator | Green light: power, stable signal (unstable signal flash) |
| Rated distance | 35cm | | Yellow light: output, overload or short circuit (flash) |
| Output | NPN NO/NC or PNP NO/NC | Anti-ambient light | Anti-sunlight interference ≤ 10,000lux; |
| Distance adjustment | 5-turn knob adjustable | | Incandescent light interference ≤ 3,000lux |
| Response time | 3.5ms | Operating temperature | -25ºC...55 ºC |
| Spot size | 10mm@35cm | Storage temperature | -25ºC...70 ºC |
| Hysteresis range | ＜5% | Protection degree | IP67 |
| Supply voltage | 10...30 VDC | Certification | CE |
| Consumption current | ≤20mA | Production standard | EN60947-5-2:2012、IEC60947-5-2:2012 |
| Load current | ≤100mA | Material | Housing: PC+ABS；Filter: PMMA |
| Voltage drop | ≤1V | Weight | 50g |
| Light source | Red light (640nm) | Connection | 2m PVC cable |
| Circuit protection | Short-circuit, overload, reverse polarity and zener protection | | |
| NO/NC adjustment | The status of white wire connected to the negative is NC, while connected to the positive hanging is NO. | | |

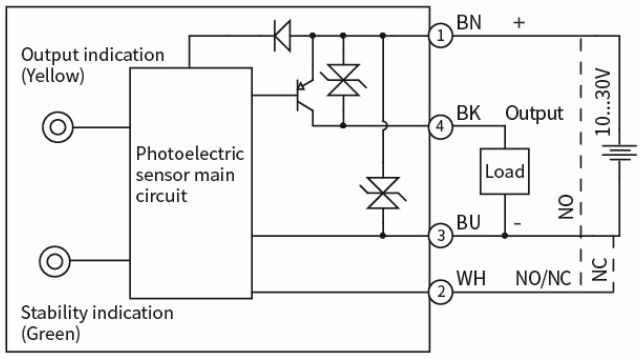
## Dimensions



## Circuit Diagrams




NPN




PNP


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