# Plastic square shape photoelectric sensors PSE series



## Feature description

- Universal housing, an ideal replacement for a wide range of sensor types;
- IP67, suitable for harsh environments;
- One-key distance setting, accurate and fast setting
- Using TOF principle, the difference between black and white of the product is small, and the detection is stable

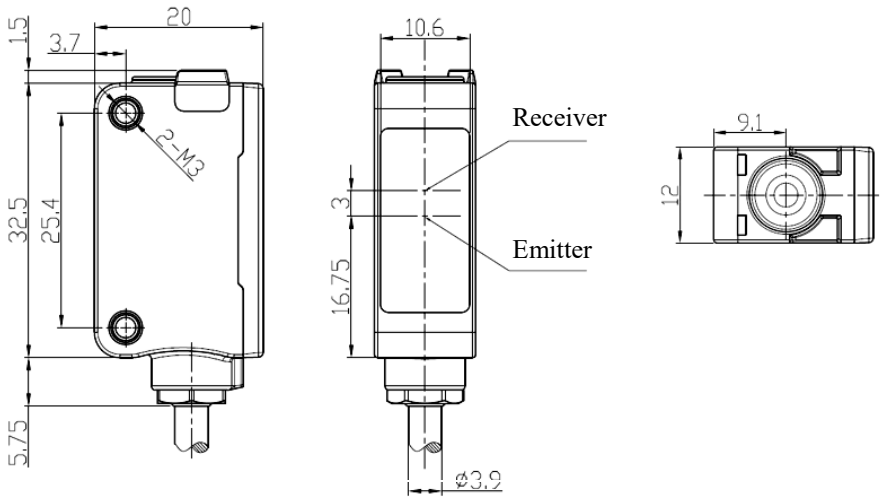
CE

| Model specification | | | |
|---|---|---|---|
| NPN NO/NC | PSE-CC60DNB | PNP NO/NC | PSE-CC60DPB |

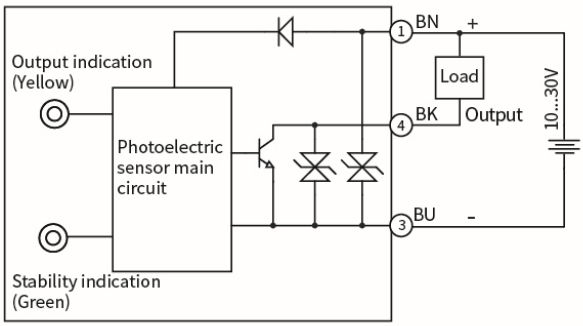
| Specifications | | | |
|---|---|---|---|
| Detection range | 0.5...60cm* | Response time | ≤100ms |
| Adjustment range | 8...60cm | Indicator | Green light: power; Yellow light: output |
| Output type | NPN NO/NC or PNP NO/NC | Anti-ambient light | Fluorescent lamp ≤1000Lx |
| Hysteresis | 3...20% | Operating temperature | -20°C...55 °C |
| Supply voltage | 10...30 VDC | Storage temperature | -25°C...70 °C |
| Consumption current | ≤20mA | Protection degree | IP67 |
| Load current | ≤100mA | Certification | CE |
| Voltage drop | ≤1.5V | Material | Housing: PC+ABS; Filter: PMMA |
| Adjustment method | Button adjustment | Weight | 50g |
| Light source | Infrared laser(940nm) | Connection | 2m PVC cable |
| Light spot size | Φ130mm@60cm | Accessory | Mounting bracket ZJP-8 |
| Circuit protection | Short circuit protection, overload protection, reverse polarity protection,Zener protection | | |
| NO/NC adjustment | Press the button for 5...8s, when the yellow and green light flash synchronously at 2Hz, and lift. Finish state switch. | | |
| Distance adjustment | Press the button for 2...5s, when the yellow and green light flash synchronously at 4Hz, and lift to finish the distance setting. | | |
| | If the yellow and green lights flash asynchronously at 8Hz for 3s, and the setting fails. | | |

*0.5...60cm(Reflective rate 90% white card),1...30cm(Reflective rate 6% black card)

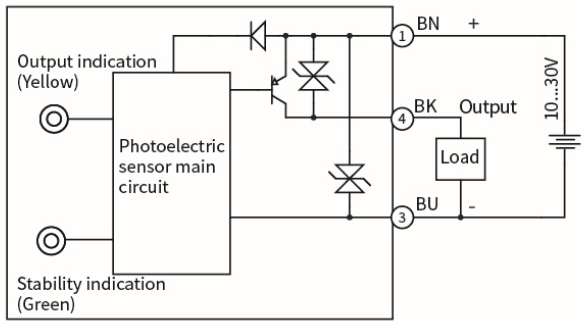
## Dimensions



## Wiring diagram




NPN




PNP


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