# Plastic square photoelectric sensor **PSE-SC** series



## Feature description

- Long-shape light spot design, can stably detect various hole of PCB
- Highlight 360° indicator, easy to identify working conditions
- One-click setting NO/NC, simple and fast
- Small difference between black and white, suitable for detecting target in various colors

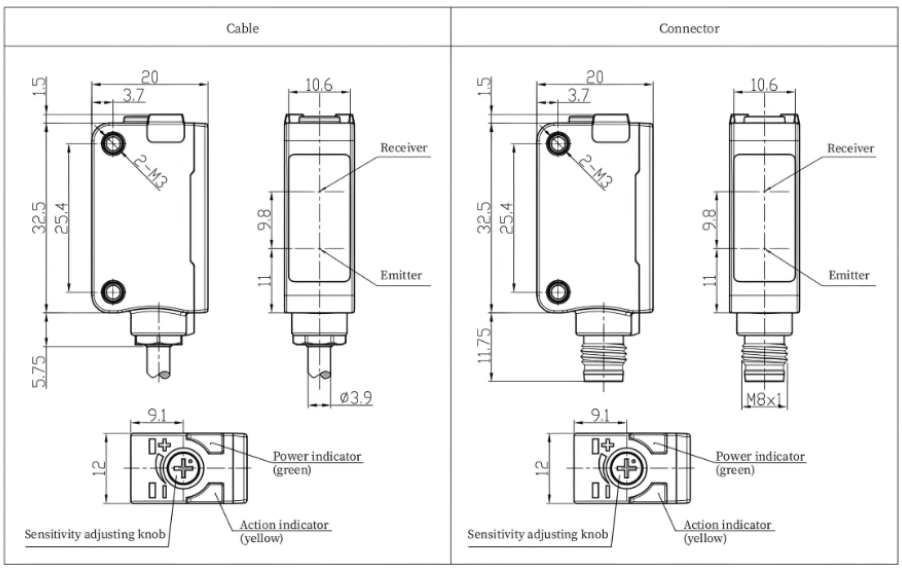
CE

| Model specification | | | |
|---|---|---|---|
| NPN NO/NC cable | PSE-SC10DNBX | PNP NO/NC cable | PSE-SC10DPBX |
| NPN NO/NC connector | PSE-SC10DNBX-E3 | PNP NO/NC connector | PSE-SC10DPBX-E3 |

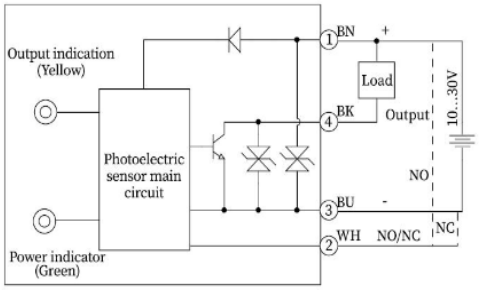
| Specifications | | | |
|---|---|---|---|
| Detection distance | 0.3-10cm | Protection circuit | Short circuit protection、Polarity protection、 |
| Dead zone | ≤3mm① | | Overload protection |
| Standard target | 100*100mm white cards | Anti-ambient light | Sunlight≤10,000Lux;Incandescent light≤3,000Lux |
| Light spot size | 7*70mm@100mm | Operating temperature | - 25...55 °C(No condensation、No icing) |
| Color sensitivity | ≥90% | Storage temperature | - 30...70 °C |
| Return difference | < 5%① | Protection degree | IP67 |
| Supply voltage | 10...30VDC(Ripple P-P: < 10%) | Certification | CE |
| Consumption current | < 20mA | Shell material | PC+ABS |
| Load current | 100mA | Lens | PMMA |
| Voltage drop | ≤1V(Voltage drop<10mA),<2V(Voltage drop<100mA) | Weight | 50g/10g |
| Light source | Red light(640nm) | Connection type | 2m PVC Cable/M8-4pin connector |
| Response time | T-on ≤1ms T-off ≤1ms | Accessory | Mounting Bracket ZJP-8、Screws×2 |
| Indicator | Green:Power indication;Yellow:output indication | | Operation manual |

①Use 100*100mm 90% reflectivity white card;Room temperature 25℃.

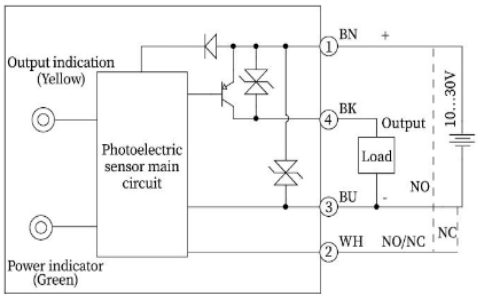
## Dimensions



## Wiring diagram




NPN




PNP