

## Rectangular capacitive sensor **CE05X** series



### Features:

- 5.5mm ultra-thin shape
- Screw mounting and strap mounting are optional
- Adjustable detection distance
- Simultaneous detection of metallic and non-metallic objects

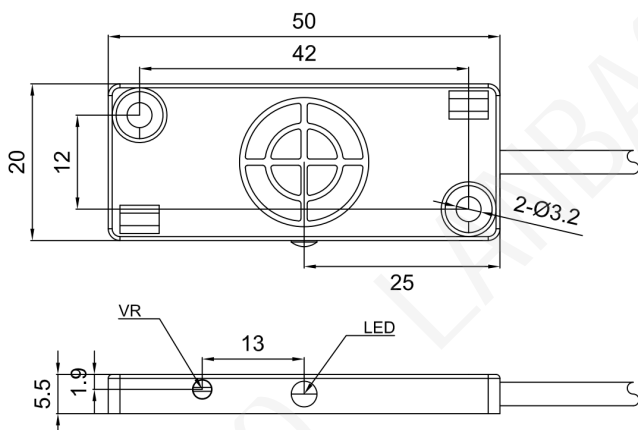


| Part number |               |        |               |
|-------------|---------------|--------|---------------|
| NPN NO      | CE05XSN06DNOG | PNP NO | CE05XSN06DPOG |
| NPN NC      | CE05XSN06DNCG | PNP NC | CE05XSN06DPCG |

### Specifications

|                     |                           |                       |  |
|---------------------|---------------------------|-----------------------|--|
| Installation        | Non-flush                 | Protection circuit    | Reverse polarity protection  |
| Rated distance Sn   | 5mm(Adjustable)           | Output indicator      | Yellow LED   |
| Adjustable distance | 2...6mm                   | Ambient temperature   | -10°C...55°C   |
| Shape size          | 20*50*5.5mm               | Ambient humidity      | 35...95%RH   |
| Output              | NO/NC(Depending on model) | Switch frequency      | 100Hz  |
| Supply voltage      | 10...30 VDC               | Impulse resistance    | 1000V/AC 50/60Hz 60s   |
| Standard target     | Fe 30*30*1t(Ground)       | Insulation resistance | ≥50MΩ(500VDC)  |
| Switch point offset | ≤±10%                     | Vibration resistance  | Complex amplitude 1.5mm 10...50Hz<br>(2h each in X,Y,Z directions) |
| Hysteresis range    | 1...20%                   | Protection degree     | IP67   |
| Repeated error      | ≤5%                       | Housing material      | PBT  |
| Load current        | ≤100mA                    | Connection            | 2m PVC cable   |
| Residual voltage    | ≤2.5V                     |                       |  |
| Current consumption | ≤15mA                     |                       |  |

### Dimensions



### Wiring Diagram

