

## Plastic square shape photoelectric sensors **PTE** series



### Features

- ◆Through beam reflection working principle;
- ◆Excellent anti-interference performance
- ◆High detection accuracy

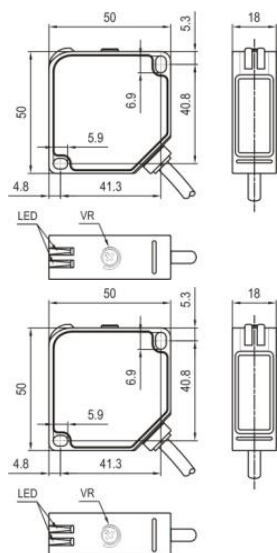
### Part number

|               | Emitter   | Receiver    |
|---------------|-----------|-------------|
| NPN+PNP NO/NC | PTE-TM60D | PTE-TM60DFB |

### Technical specifications

|                         |                                     |                           |                                       |
|-------------------------|-------------------------------------|---------------------------|---------------------------------------|
| Detection type          | Through beam                        | Consumption               | ≤40mA                                 |
| Rated distance [Sn]     | 60m (Emitter adjustable)            | currentCircuit protection | Short-circuitand reverse polarity     |
| Standard target         | > φ15mm opaque object               | Response time             | < 2ms                                 |
| Light source            | Infrared LED (850nm)                | Output indicator          | Emitter:Green LED Receiver:Yellow LED |
| Dimensions              | 50 mm *50 mm *18 mm                 | Ambient temperature       | -25°C...+55°C                         |
| Output                  | NO/NC (select by L/D potentiometer) | Ambient humidity          | 35-85%RH (non-condensing)             |
| Supply voltage          | 10...30 VDC                         | Voltage withstand         | 1000V/AC 50/60Hz 60s                  |
| Min target              | .....                               | Insulation resistance     | ≥50MΩ(500VDC)                         |
| Hysteresis range [%/Sr] | .....                               | Vibration resistance      | 10...50Hz (0.5mm)                     |
| Repeat accuracy [R]     | ≤5%                                 | Degree of protection      | IP67                                  |
| Load current            | ≤200mA (receiver)                   | Housing material          | PC/ABS                                |
| Residual voltage        | ≤2.5V (receiver)                    | Connection type           | 2m PVC cable                          |

### Dimensions



Emitter

Receiver

### Wiring diagram

