

## Plastic squareshape photoelectric sensors **PTE** series



### Features

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

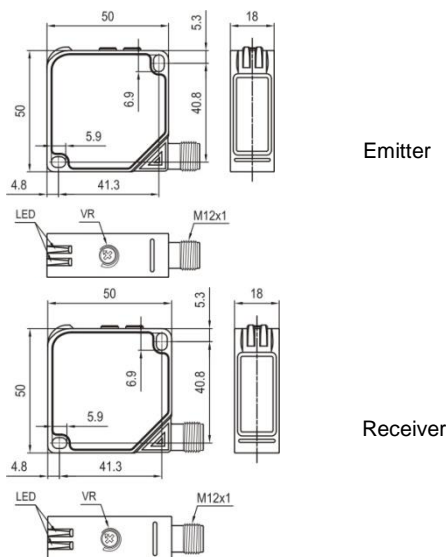
### Part number

	Emitter	Receiver
NPN+PNP NO/NC	PTE-TM60D-E2	PTE-TM60DFB-E2

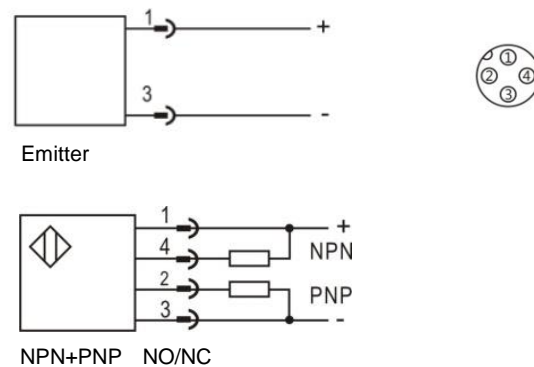
### Technical specifications

Detection type	Through beam	Consumption current	≤40mA
Rated distance [Sn]	60m (Emitter adjustable)	Circuit protection	Short-circuit and 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	M12 Connector

### Dimensions



### Wiring diagram



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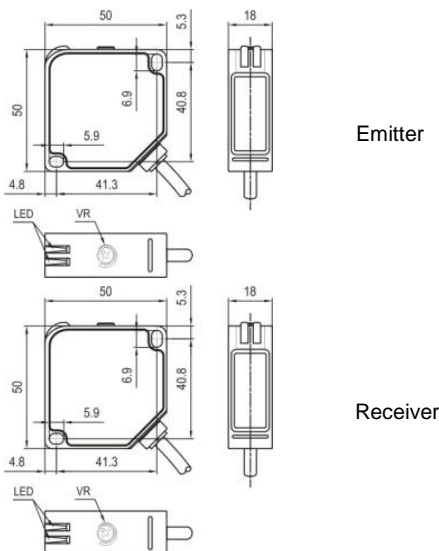
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NPN+PNP	NO/NC	PTE-TM60D	PTE-TM60DFB

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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



## Wiring diagram

