

Plastic squareshape photoelectric sensors **PTE** series



Features

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

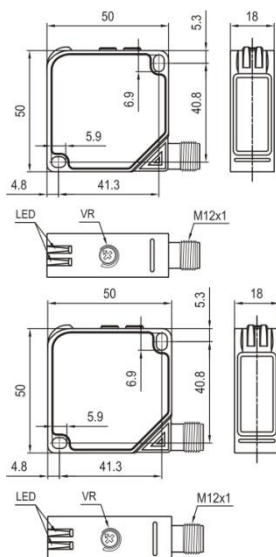
Part number

	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

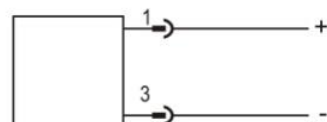
Dimensions



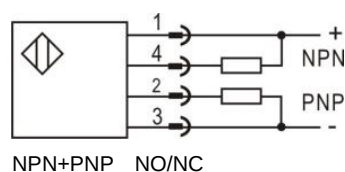
Emitter

Receiver

Wiring diagram



Emitter



NPN+PNP NO/NC