

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



### Features

- Emitter and receiver built in one housing, sensing distance adjustable
- Special optic design, regardless background
- Super anti-interference to ambient light



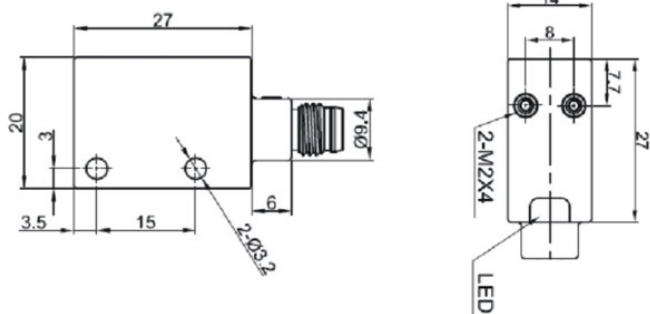
### Model

NPN NO/NC	PSE-YC08TDNB-E3	PNP NO/NC	PSE-YC08TDPB-E3
-----------	-----------------	-----------	-----------------

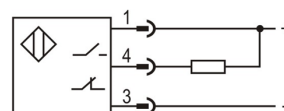
### Specifications

Detection type	Background suppression	Circuit protection	Short-circuit, overload and reverse polarity
Rated distance [Sn]	80mm(adjustable)	Response time	< 1ms
Standard target	Reflection rate: White 90%,Black:10%	Output indicator	Yellow LED
Light source	Red LED(870nm)	Ambient temperature	-15°C...+55°C
Dimensions	27*20*14mm	Ambient humidity	35...95%RH(non-condensing)
Output	NO/NC(select by L/D potentiometer)	Voltage withstand	600V/AC 50/60Hz
Supply voltage	10...30VDC	Insulation resistance	≥50MΩ(500VDC)
WH&BK color variation	≤10%	Vibration resistance	Complex amplitude 0.5mm 10...50Hz(2 hours each in X, Y, and Z directions)
Hysteresis range [%/Sr]	≤10%	Degree of protection	IP67
Repeat accuracy [R]	≤10%	Housing material	ABS
Load current	≤100mA	Connection type	M8 connector
Residual voltage	≤2.5V		
Consumption current	≤20mA		

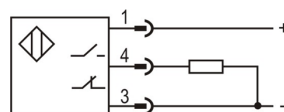
### Dimensions



### Wiring diagram



NPN NO/NC



PNP NO/NC

