

## Small size photoelectric sensors PSM series



#### **Features**

- 18mm threaded cylindrical mounting, easy to install
- Short case for small installation space
- IP67 protection, suitable for harsh environments
- With 360° visible bright LED status indicator;
- Background suppression type, stable detection for both white and black targets;



### Model

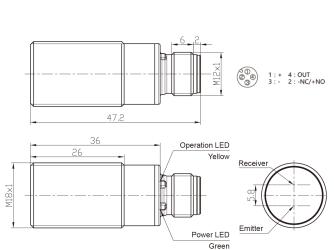
NPN NO/NC	PSM-YC10DNBR-E2	PNP NO/NC	PSM-YC10DPBR-E2
INFIN INO/INC	PSIVI-TCTUDINDR-E2	FINE INO/INC	P3IVI-1C1UDPDR-E2

Specifications					
Detection type	Background suppression	Indicator	Green LED: power, stable		
Detection distance	10cm (unadjustable)		Yellow LED: output, short circuit or overload		
Light source	Red light (660nm)	Anti-ambient light	Anti-sunlight interference ≤ 10,000lux;		
Spot size	8*8mm@10cm		Incandescent light interference ≤ 3,000lux		
Output	NPN NO/NC or PNP NO/NC	Operating temperature	-2055 °C		
Hysteresis	≤5%	Storage temperature	-3570 °C		
Response time	≤0.5 ms	Protection degree	IP67		
Supply voltage	1030 VDC	Certification	CE		
Consumption current	≤20mA	Material	Housing: Nickel copper alloy; Filter: PMMA		
Load current	≤100mA	Connection	M12 4-core connector		
Voltage drop	≤1.8V	Annex	M18 nut (2PCS), instruction manual		
Circuit protection	Short-circuit, overload, reverse polarity protection				
NO/NC adjustment	Feet 2 is connected to the positive pole or hang up, NO mode; Feet 2 is connected to the negative pole, NC mode				

Remarks: ①Detection object is 90% white card with size 20cm \* 20cm;

The green LED becomes weaker, which means that the signal is weaker and the sensor is unstable; The yellow LED flashes, which means that the sensor is shorted or overloaded;

# Dimensions



#### **Circuit Diagrams**

