CE

Model：PSM-GM2DPBR

Features

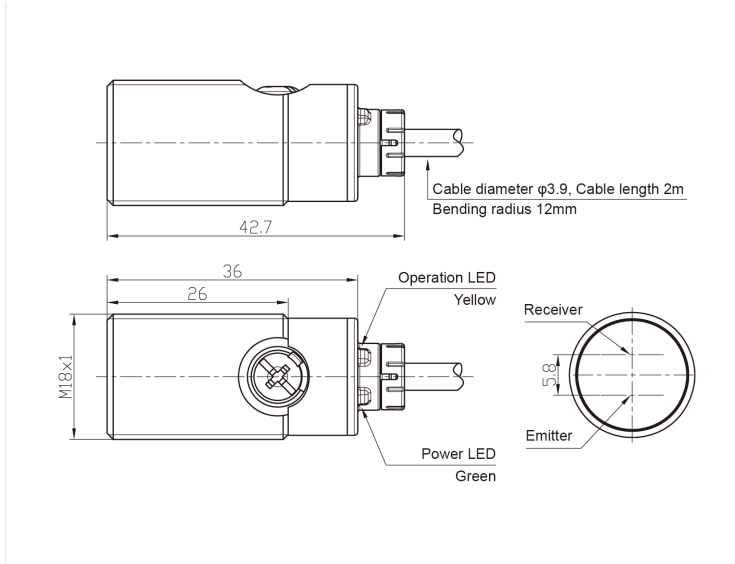| |
|---|
| 18mm threaded cylindrical mounting, easy to install |
| Short case for small installation space; |
| Big knob design for easy adjustment; Suitable for inspection of smooth transparent bottles and transparent films |
| IP67 protection, suitable for harsh environments; |
| With 360° visible bright LED status indicator |

Part Number

NPN NO/NC	PSM-GM2DNBR	PNP NO/NC	PSM-GM2DPBR

Technical Specifications

Detection type	Transparent object detection	Distance adjustment	Single-turn potentiometer
Rated distance	2m*	Indicator	Green LED: power, stable
Light source	Red light (640nm)		Yellow LED: output , short circuit or overload
Spot size	45*45mm@100cm	Anti-ambient light	Anti-sunlight interference ≤ 10,000lux;
Standard target	＞φ35mm object with more than 15% transmittance**		Incandescent light interference ≤ 3,000lux
Output	NPN NO/NC or PNP NO/NC	Operating temperature	-25...55 ºC
Response time	≤1ms	Storage temperature	-35...70 ºC
Supply voltage	10...30 VDC	Protection degree	IP67
Consumption current	≤20mA	Certification	CE
Load current	≤200mA	Material	Housing: Nickel copper alloy；Filter: PMMA
Voltage drop	≤1V	Connection	2m PVC cable
Annex	M18 nut (2PCS), instruction manual,ReflectorTD-09		
Circuit protection	Short-circuit, overload, reverse polarity protection		
NO/NC adjustment	White wire is connected to the positive pole, NO mode; White wire is connected to the negative pole, NC mode		

1.*This data is the result of the TD-09 test of the reflector of the Lanbao PSM polarized sensor.

2.Smaller objects can be detected by adjustment.

3.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 short ed or overloaded;

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SEGMENsensor

Dimensions

42.7

Cable diameter φ3.9, Cable length 2m
Bending radius 12mm

36

26

M18×1

Operation LED
Yellow

Power LED
Green

Receiver

5.8

Emitter

Circuit Diagram

NPN

Floating

Output indication
(Yellow)

Photoelectric
sensor main
circuit

Stability indication
(Green)

① BN +
④ BK Output
③ BU −
② WH NO/NC

Load

10...30V

NO

NC

PNP

Floating

Output indication
(Yellow)

Photoelectric
sensor main
circuit

Stability indication
(Green)

① BN +
④ BK Output
③ BU −
② WH NO/NC

Load

10...30V

NO

NC