

Product Description:

- Compact body, meeting the demand for compact space in industries such as electronics, photovoltaics, and semiconductors.
- A small threaded photoelectric sensor with strong resistance to light interference, using the principle of reflection to stably detect all opaque objects.



Product features:

- Compact body and compact structure
- M12 thread installation, built-in metal parts, sturdy, long-lasting
- The product adopts infrared light, which has stronger resistance to environmental light



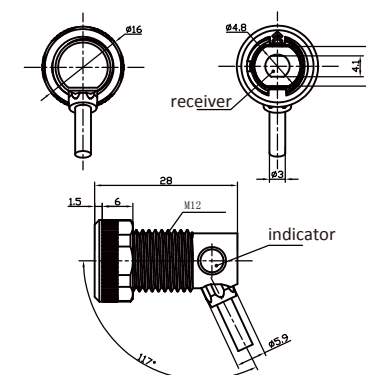
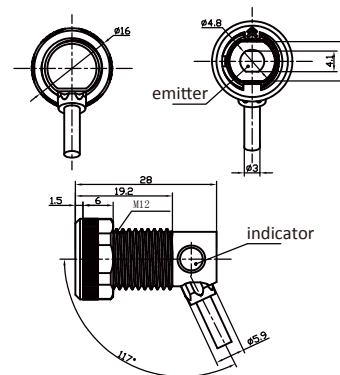
Type	Distance	Beam	Output	Connection	Wiring
OP12-S6 *M ¹⁾	-----	Infrared light	-----	Cable	Fig.1
OP12-ELN6 *M ¹⁾	5m	-----	NPN	Cable	Fig.2
OP12-EDN6 *M ¹⁾	5m	-----	NPN	Cable	Fig.3
OP12-ELP6 *M ¹⁾	5m	-----	PNP	Cable	Fig.4
OP12-EDP6 *M ¹⁾	5m	-----	PNP	Cable	Fig.5

Note 1): * M refers to the cable length in meters. If there is no * M in the model, the default cable length is 2 meters.

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	10...30VDC	AMBIENT TEMPERATURE OPERATION	-20°C...+55°C
RIPPLE VOLTAGE	±10% of U _B	AMBIENT TEMPERATURE STORAGE	-20°C...+70°C
LIGHT SOURCE TYPE	Infrared light	CIRCUIT PROTECTION	Short-circuit protection, reverse polarity protection, over-load protection
OUTPUT CHARACTERISTIC	PNP/NPN	PROTECTION DEGREE	IP67
LOAD CURRENT	≤50mA	HOUSING MATERIAL	PC+PMMA
SWITCHING FREQUENCY	100Hz	CONNECTING TYPE	*m PVC cable

DIMENSIONS



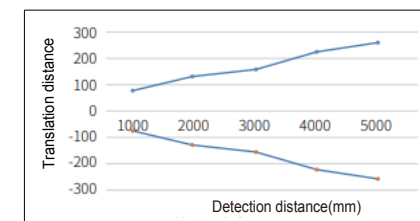
INDICATORS

emitter

power indicator	green
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receiver

output indicator	red
power/stable indicator	green



ELECTRICAL CONNECTION

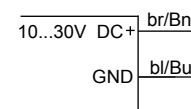


Fig.1

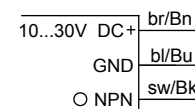


Fig.2

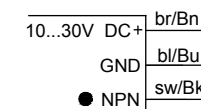


Fig.3

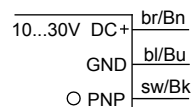


Fig.4

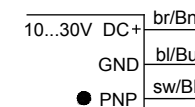
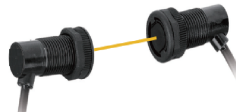


Fig.5

○ =Light on
● =Dark on

产品说明:

- 小巧机身，满足电子，光伏，半导体等行业对紧凑空间的需求。
- 小型螺纹型光电传感器，抗光干扰性强，采用对射工作原理，稳定检测一切不透明物体。



对射式



产品特点:

- 机身小巧结构紧凑
- M12螺纹安装，内置金属件，坚固，长寿命
- 产品采用红外光抗环境光干扰更强

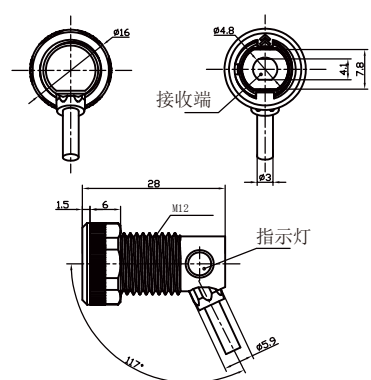
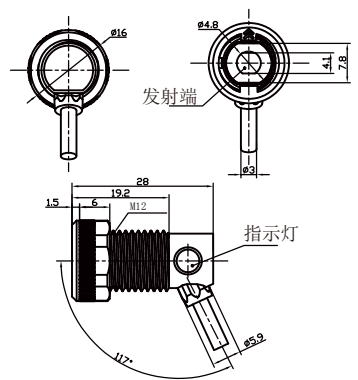
型号	检测距离	光源	输出方式	连接方式	接线图
OP12-S6 *M ¹⁾	-----	红外光	-----	Cable	Fig.1
OP12-ELN6 *M ¹⁾	5m	-----	NPN	Cable	Fig.2
OP12-EDN6 *M ¹⁾	5m	-----	NPN	Cable	Fig.3
OP12-ELP6 *M ¹⁾	5m	-----	PNP	Cable	Fig.4
OP12-EDP6 *M ¹⁾	5m	-----	PNP	Cable	Fig.5

注1)：*M表示线缆长度，单位米，型号中无*M默认线缆长度为2米。

技术参数

工作电压	10...30VDC	工作温度	-20°C...+55°C
纹波电压	±10% of U _s	环境温度	-20°C...+70°C
光源	红外光	保护电路	短路保护 反极性保护 输出过载保护
输出特性	PNP/NPN		
负载电流	≤50mA	防护等级	IP67
开关频率	100Hz	外壳	PC+PMMA
		连接方式	*m PVC线缆

外形尺寸



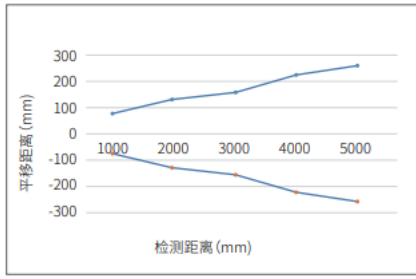
操作指示

发射端

电源指示灯	绿灯
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接收端

动作指示灯	红灯
电源/稳态指示灯	绿灯



接线图

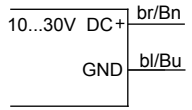


图1

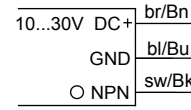


图2

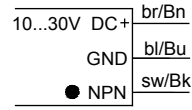


图3

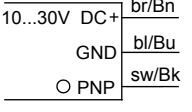


图4

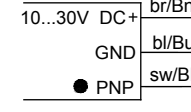


图5

○ =亮通
● =暗通