

Product Description:

- High performance small square photoelectric sensor
- Suitable for applications such as logistics, textiles, glass machinery, food packaging, etc.

Product features:

- BGS can provide detection distance products for linear array light sources
- Infrared light source



Diffused(BGS)



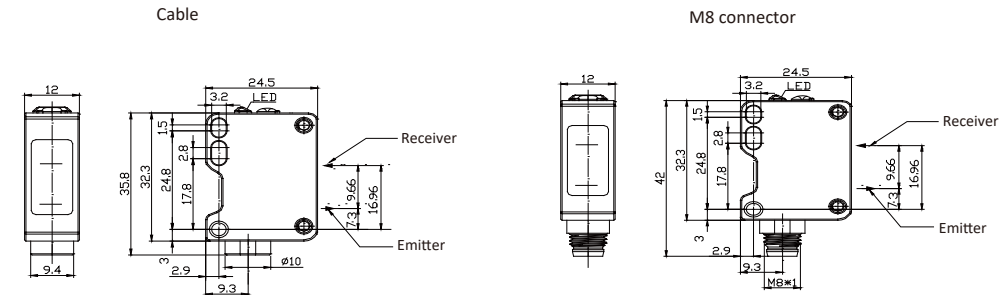
Type	Distance	Beam	Output	Connection	Wiring
OS20-AK100CP6/L/I *M ¹⁾	10...100mm	Infrared	NPN	Cable	Fig.1
OS20-AK100CP6Q8/L/I	10...100mm	Infrared	NPN	M8 Connector	Fig.2
OS20-AK100CN6/L/I *M ¹⁾	10...100mm	Infrared	PNP	Cable	Fig.3
OS20-AK100CN6Q8/L/I	10...100mm	Infrared	PNP	M8 Connector	Fig.4

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.

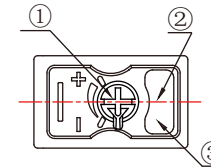
TECHNICAL SPECIFICATION

OPERATING VOLTAGE	10...30 V DC	AMBIENT TEMPERATURE OPERATION	-25°C...+55°C
RIPPLE VOLTAGE	±10% of U _B	AMBIENT TEMPERATURE STORAGE	-40°C...+70°C
LIGHT SOURCE TYPE	Infrared LED	CIRCUIT PROTECTION	Short-circuit protection, reverse polarity protection, over-load protection
OUTPUT CHARACTERISTIC	PNP/NPN	PROTECTION DEGREE	IP67
LOAD CURRENT	≤100mA	HOUSING MATERIAL	PC+PBT
SWITCHING FREQUENCY	400Hz	CONNECTING TYPE	*m PVC cable M8 Connector

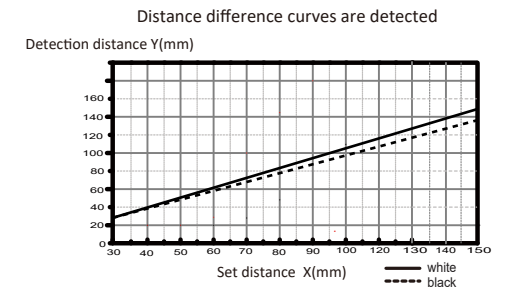
DIMENSIONS



INDICATORS



①	Detection distance adjuster	
②	Output indicator	Yellow
③	Stable indicator	Green



ELECTRICAL CONNECTION

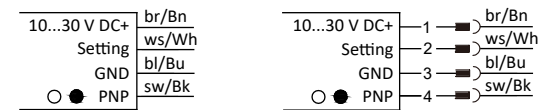


Fig.1

Fig.2

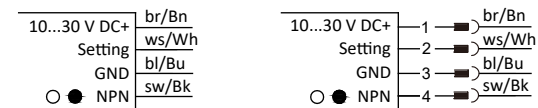


Fig.3

Fig.4

- = Light on: Connect the Setting to U+ or blank
- = Dark on: Connect the Setting to U-

产品说明:

- 高性能小方形光电传感器
- 适用于物流, 纺织, 玻璃机械, 食品包装等应用。

产品特点:

- BGS可提供线阵光源的检测距离产品
- 红外光源



背景抑制



型号	检测距离	光源	输出方式	连接方式	接线图
OS20-AK100CP6/L/I *M ¹⁾	10...100mm	红外光	NPN	线缆	图1
OS20-AK100CP6Q8/L/I	10...100mm	红外光	NPN	M8 连接器	图2
OS20-AK100CN6/L/I *M ¹⁾	10...100mm	红外光	PNP	线缆	图3
OS20-AK100CN6Q8/L/I	10...100mm	红外光	PNP	M8 连接器	图4

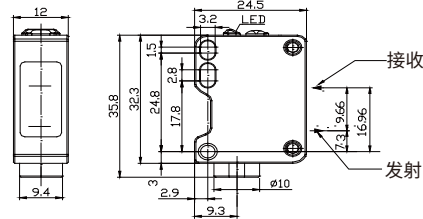
注1): *M表示线缆长度, 单位米, 型号中无*M默认线缆长度为2米。

技术参数

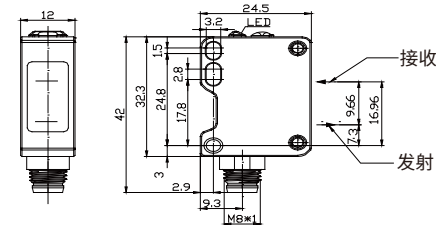
工作电压	10...30 V DC	工作温度	-25°C...+55°C
纹波电压	±10% of U _s	环境温度	-40°C...+70°C
光源	红外光 LED	保护电路	短路保护 反极性保护 输出过载保护
输出特性	PNP/NPN	防护等级	IP67
负载电流	≤100mA	外壳	PC+PBT
开关频率	400Hz	连接方式	*m PVC 线缆 M8连接器

外形尺寸

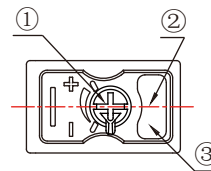
线缆



M8 连接器

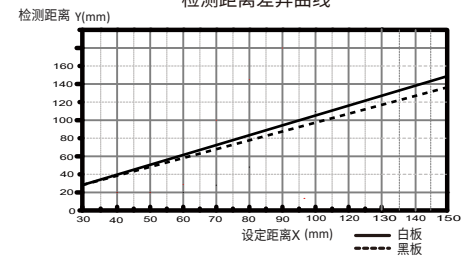


操作指示



①	检测距离调节	
②	开关动作指示灯	黄色
③	电源稳态指示灯	绿色

检测距离差异曲线



接线图

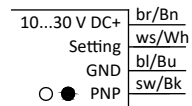


图1

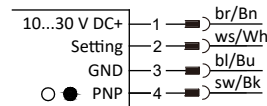


图2

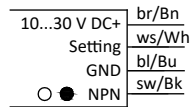
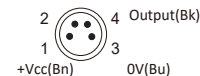


图3

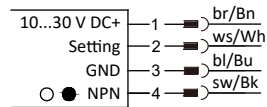


图4

- = 亮通: Setting 接 U+或置空
- = 暗通: Setting 接 U-