

Product Description:

- Compact body,meeting the demand for compact space in industries such as electronics and semiconductors.
- BGS products have excellent black and white attenuation characteristics and can be used for detecting non bright flat objects.

Product features:

- Point light source design,small angle scattered light
- $\phi 3$ mm mounting hole,built-in metal parts,sturdy,long-lasting
- Red light point source or infrared light optional



Diffused(BGS)



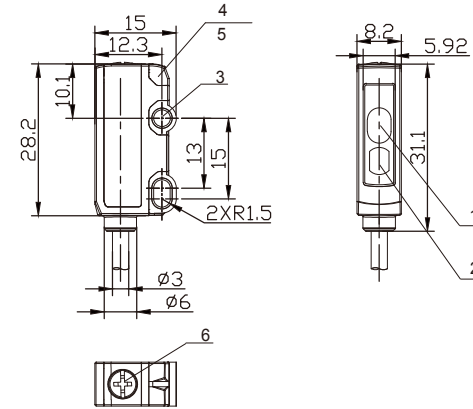
Type	Distance	Beam	Output	Connection	Wiring
OS22-AK120LN6 *M ¹⁾	10...120mm	Red	NPN	Cable	Fig.1
OS22-AK120DN6 *M ¹⁾	10...120mm	Red	NPN	Cable	Fig.2
OS22-AK120LP6 *M ¹⁾	10...120mm	Red	PNP	Cable	Fig.3
OS22-AK120DP6 *M ¹⁾	10...120mm	Red	PNP	Cable	Fig.4

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...30VDC	AMBIENT TEMPERATURE OPERATION	-10°C...+50°C
RIPPLE VOLTAGE	±10% of U _B	AMBIENT TEMPERATURE STORAGE	-40°C...+70°C
LIGHT SOURCE TYPE	Red 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	200Hz	CONNECTING TYPE	*m PVC cable

DIMENSIONS



INDICATORS

1	Receiver	
2	Emitter	
3	Mounting hole	$\phi 3.0$ mm
4	Steady state indicator	Green
5	Output indicator	Red
6	Scanning distance adjuster	

ELECTRICAL CONNECTION

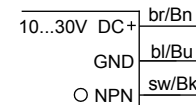


Fig.1

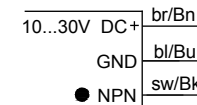


Fig.2

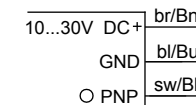


Fig.3



Fig.4

○ =Light on
● =Dark on

产品说明：

- 小巧机身，满足电子，半导体等行业对紧凑空间的需求。
- BGS产品具有优良的黑白衰减特性，使用与检测非光亮平面物体。



产品特点:

- 点光源设计，小角度发散光
- $\phi 3\text{mm}$ 安装孔，内置金属件，坚固，长寿命
- 红光点光源或红外光可选

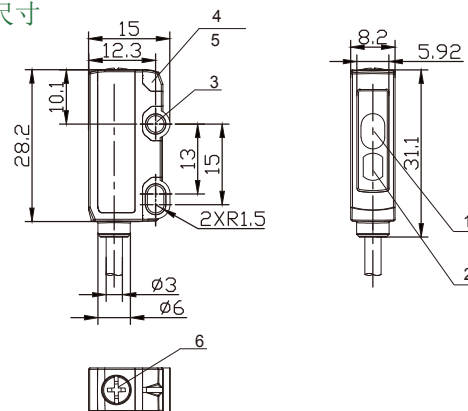
型号	检测距离	光源	输出方式	连接方式	接线图
OS22-AK120LN6 *M ¹⁾	10...120mm	红光	NPN	线缆	图1
OS22-AK120DN6 *M ¹⁾	10...120mm	红光	NPN	线缆	图2
OS22-AK120LP6 *M ¹⁾	10...120mm	红光	PNP	线缆	图3
OS22-AK120DP6 *M ¹⁾	10...120mm	红光	PNP	线缆	图4

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...30VDC	工作温度	-10°C...+50°C
纹波电压	±10% of U _B	环境温度	-40°C...+70°C
光源	红光	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	防护等级	IP67
负载电流	≤100mA	外壳	PC+PBT
开关频率	200Hz	连接方式	*m PVC线缆

外形尺寸



操作指示

1	接收端	
2	发射端	
3	安装孔	Φ 3. 0mm
4	稳态指示灯	绿色
5	输出指示灯	红色
6	检测距离调节	

接线图

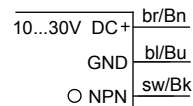


图1

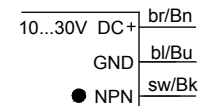


图2

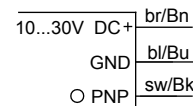


图3

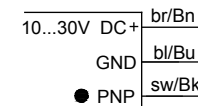


图4

○ = 亮通
● = 暗通