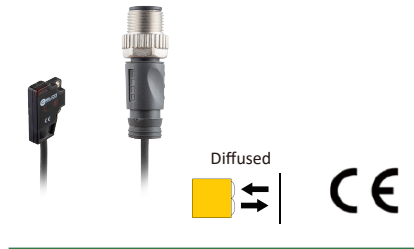


Product Description:

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

Product Features:

- $\phi 2$ mm mounting hole, built-in metal parts, sturdy, long-lasting
- Protection level IP67
- Q12 - Pigtail product, the length of the cable can be customized



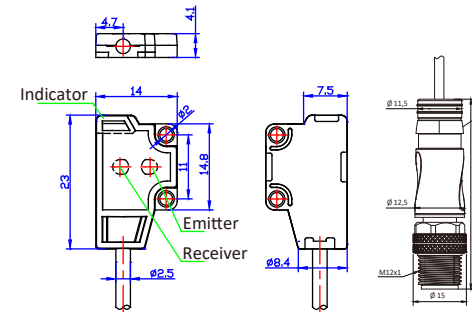
Type	Distance	Beam	Output	Connection	Wiring
OS4-K30LN6 -* -Q12	1...30mm	Red	NPN	*m cable + M12, 4-pin	Fig.1
OS4-K30DN6 -* -Q12			NPN	*m cable + M12, 4-pin	Fig.2
OS4-K30LP6 -* -Q12			PNP	*m cable + M12, 4-pin	Fig.3
OS4-K30DP6 -* -Q12			PNP	*m cable + M12, 4-pin	Fig.4

Note : * refers to the cable length in meters.

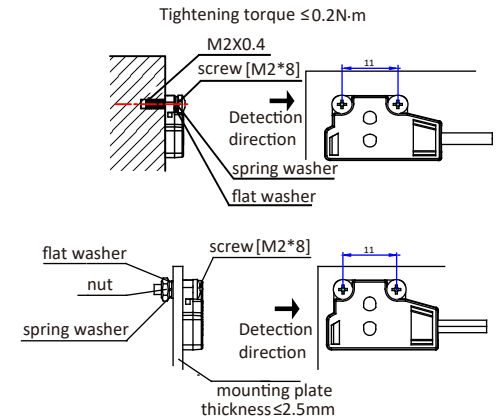
TECHNICAL SPECIFICATION

OPERATING VOLTAGE	10...30 V DC	AMBIENT TEMPERATURE OPERATION	-10°C...+55°C
LIGHT SOURCE TYPE	Red led	AMBIENT TEMPERATURE STORAGE	-40°C...+70°C
OUTPUT CHARACTERISTIC	PNP/NPN	UL TEMPERATURE	50°C
LOAD CURRENT	≤50mA	CIRCUIT PROTECTION	Short-circuit protection, reverse polarity protection, over-load protection
SWITCHING FREQUENCY	800Hz	PROTECTION DEGREE	IP67
CONNECTING TYPE	*m cable + M12, 4-pin		
HOUSING MATERIAL	PC+PBT		

DIMENSIONS



INSTALL



INDICATORS

Steady state indicator	Green
Output indicator	Yellow

ELECTRICAL CONNECTION

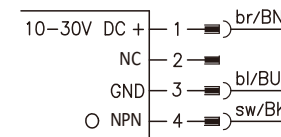


Fig.1

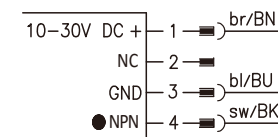


Fig.2

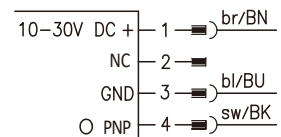


Fig.3

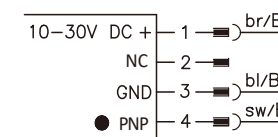
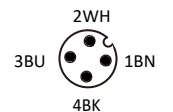


Fig.4



M12 Connector

○ =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，定距离检测。
- 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:

- $\phi 2\text{mm}$ 安装孔，内置金属件，坚固，长寿命
- 防护等级 IP67
- Q12 - Pigtail 产品，线缆长度可定制

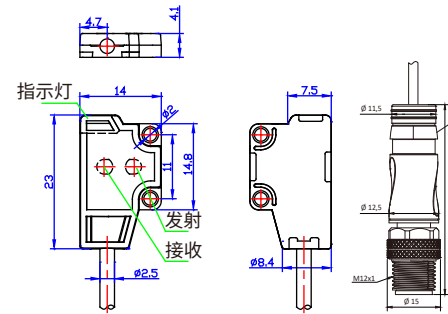
型号	检测距离	光源	输出方式	连接方式	接线图
OS4-K30LN6 -* -Q12	1...30mm	红光	NPN	*m线缆 + M12连接器, 4针	图1
OS4-K30DN6 -* -Q12			NPN	*m线缆 + M12连接器, 4针	图2
OS4-K30LP6 -* -Q12			PNP	*m线缆 + M12连接器, 4针	图3
OS4-K30DP6 -* -Q12			PNP	*m线缆 + M12连接器, 4针	图4

注:*表示线缆长度,单位米。

技术参数

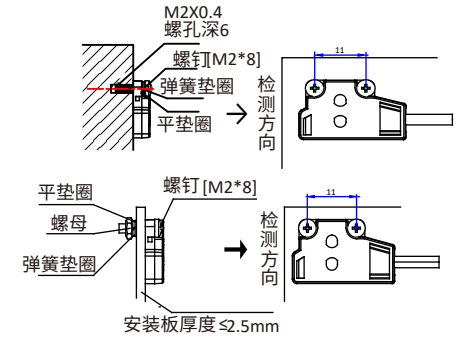
工作电压	10...30 V DC	工作温度	-10°C...+55°C
光源	红光	环境温度	-40°C...+70°C
输出特性	PNP/NPN	UL温度	50°C
负载电流	≤50mA	保护电路	短路保护 反极性保护 输出过载保护
开关频率	800Hz		
连接方式	*m线缆 + M12连接器, 4针	防护等级	IP67
外壳	PC+PBT		

外形尺寸



安装

紧固扭矩 $\leq 0.2 \text{ N m}$



操作指示

稳态指示灯	绿色
输出指示灯	黄色

接线图

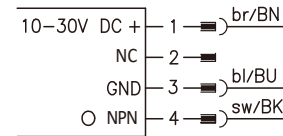


图1

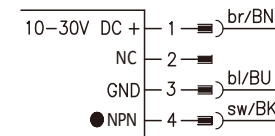


图2

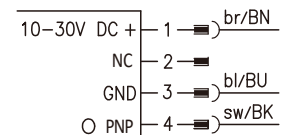


图3

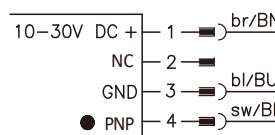
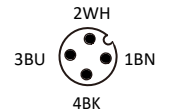


图4



M12连接器

○ = 亮通
● = 暗通