

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:

- ϕ 2mm mounting hole, built-in metal parts, sturdy, long-lasting
- Protection level IP67



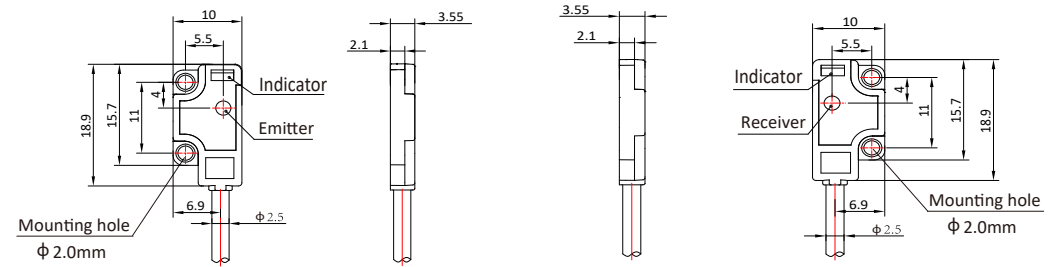
Type	Distance	Beam	Output	Connection	Wiring
OS4A-S6 *M ¹⁾	500mm	Red	----	Cable	Fig.1
OS4A-ELN6 *M ¹⁾	500mm	----	NPN	Cable	Fig.2
OS4A-EDN6 *M ¹⁾	500mm	----	NPN	Cable	Fig.3
OS4A-ELP6 *M ¹⁾	500mm	----	PNP	Cable	Fig.4
OS4A-EDP6 *M ¹⁾	500mm	----	PNP	Cable	Fig.5
OS4A-SS6 *M ¹⁾	500mm	Point lamp	----	Cable	Fig.1

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.

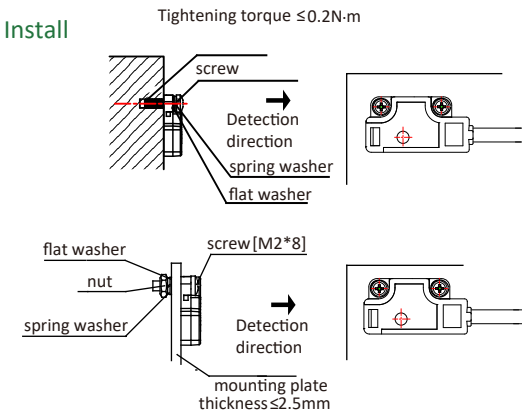
TECHNICAL SPECIFICATION

OPERATING VOLTAGE	10...30 V DC	AMBIENT TEMPERATURE OPERATION	-10°C...+55°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	≤50mA	HOUSING MATERIAL	PC+PBT
SWITCHING FREQUENCY	800Hz	CONNECTING TYPE	*m PVC cable

DIMENSIONS



Install



INDICATORS

Steady state indicator	Green
Output indicator	Yellow

ELECTRICAL CONNECTION

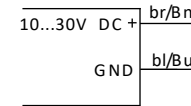


Fig.1

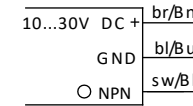


Fig.2

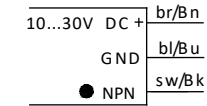


Fig.3

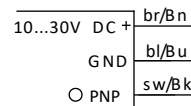


Fig.4

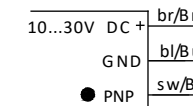


Fig.5

○ =Light on
● =Dark on

产品说明:

- 小巧机身, 满足电子, 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。



对射式



产品特点:

- φ2mm安装孔, 内置金属件, 坚固, 长寿命
- 防护等级IP67

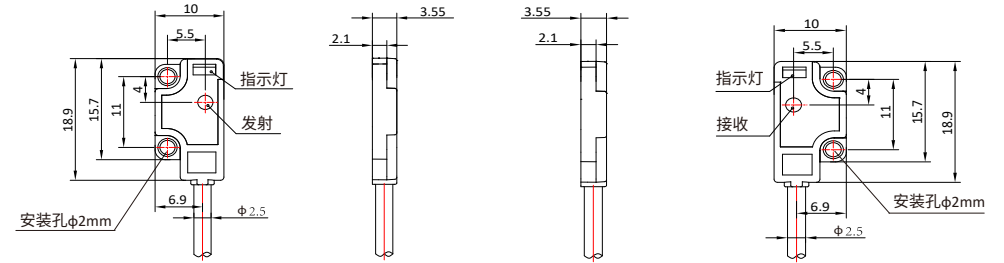
型号	检测距离	光源	输出方式	连接方式	接线图
OS4A-S6 *M ¹⁾	500mm	红光	----	线缆	图1
OS4A-ELN6 *M ¹⁾	500mm	----	NPN	线缆	图2
OS4A-EDN6 *M ¹⁾	500mm	----	NPN	线缆	图3
OS4A-ELP6 *M ¹⁾	500mm	----	PNP	线缆	图4
OS4A-EDP6 *M ¹⁾	500mm	----	PNP	线缆	图5
OS4A-SS6 *M ¹⁾	500mm	点光源	----	线缆	图1

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。

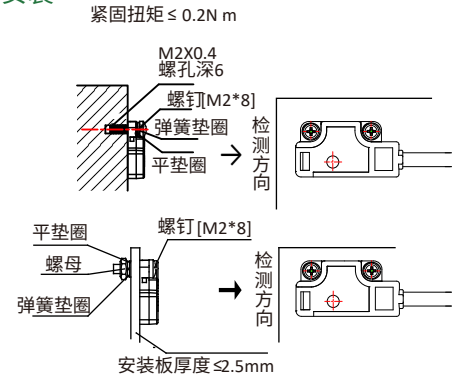
技术参数

工作电压	10...30V DC	工作温度	-10°C...+55°C
纹波电压	±10% of U _B	环境温度	-40°C...+70°C
光源	红光 630nm 点光源 630nm	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	≤50mA	外壳	PC+PBT
开关频率	800Hz	连接方式	*m PVC线缆

外形尺寸



安装



操作指示

稳态指示灯	绿色
输出指示灯	黄色

接线图

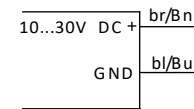


图1

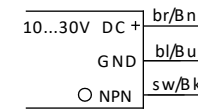


图2

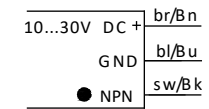


图3

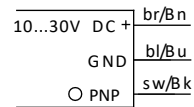


图4

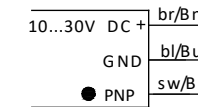


图5

○ = 亮通
● = 暗通