

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:

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



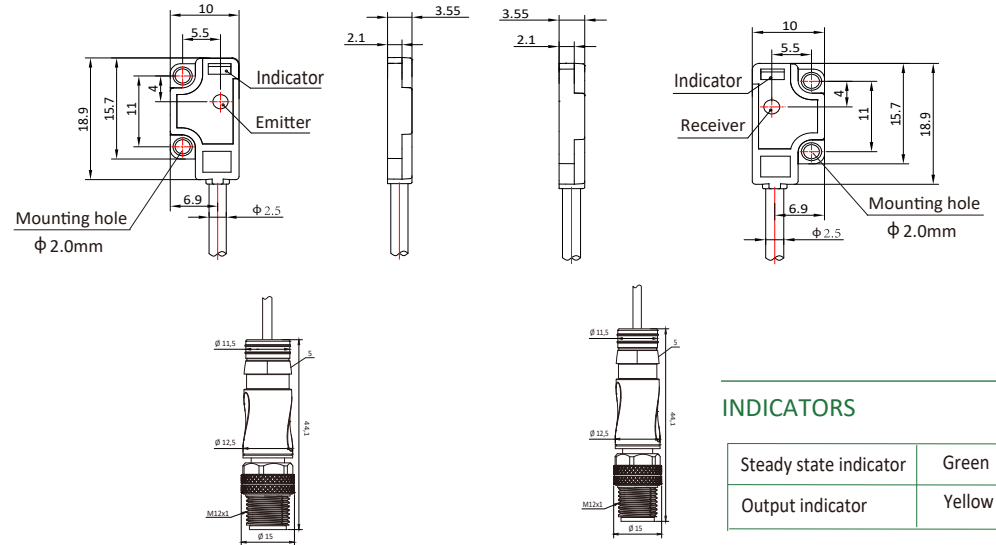
Type	Distance	Beam	Output	Connection	Wiring
OS4A-S6-0.3-Q12	500mm	Red	----	*m cable + M12, 4-pin	Fig.1
OS4A-ELN6-0.3-Q12	500mm	----	NPN	*m cable + M12, 4-pin	Fig.2
OS4A-EDN6-0.3-Q12	500mm	----	NPN	*m cable + M12, 4-pin	Fig.3
OS4A-ELP6-0.3-Q12	500mm	----	PNP	*m cable + M12, 4-pin	Fig.4
OS4A-EDP6-0.3-Q12	500mm	----	PNP	*m cable + M12, 4-pin	Fig.5

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	$\leq 50\text{mA}$	CIRCUIT PROTECTION	Short-circuit protection, reverse polarity protection, over-load protection
SWITCHING FREQUENCY	800Hz	PROTECTION DEGREE	IP67
CONNECTING TYPE	0.3m cable + M12, 4-pin		
HOUSING MATERIAL	PC+PBT		

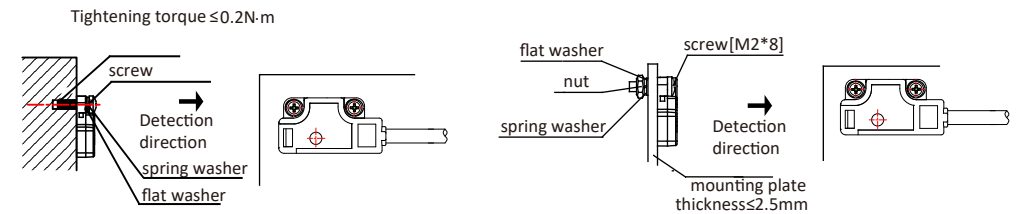
DIMENSIONS



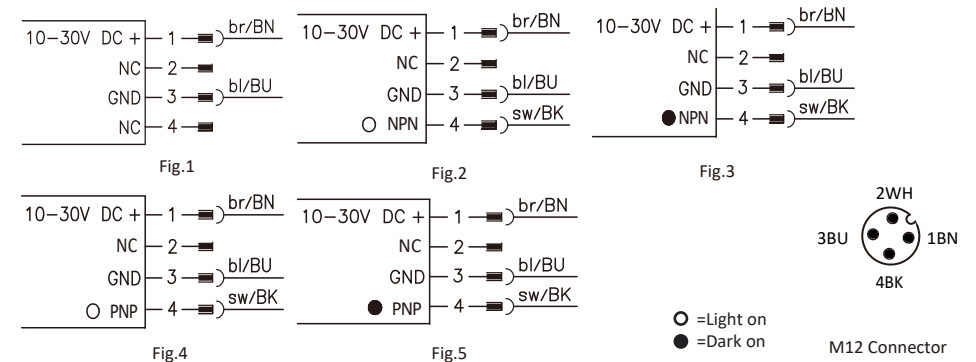
INDICATORS

Steady state indicator	Green
Output indicator	Yellow

INSTALL



ELECTRICAL CONNECTION



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:

- φ2mm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



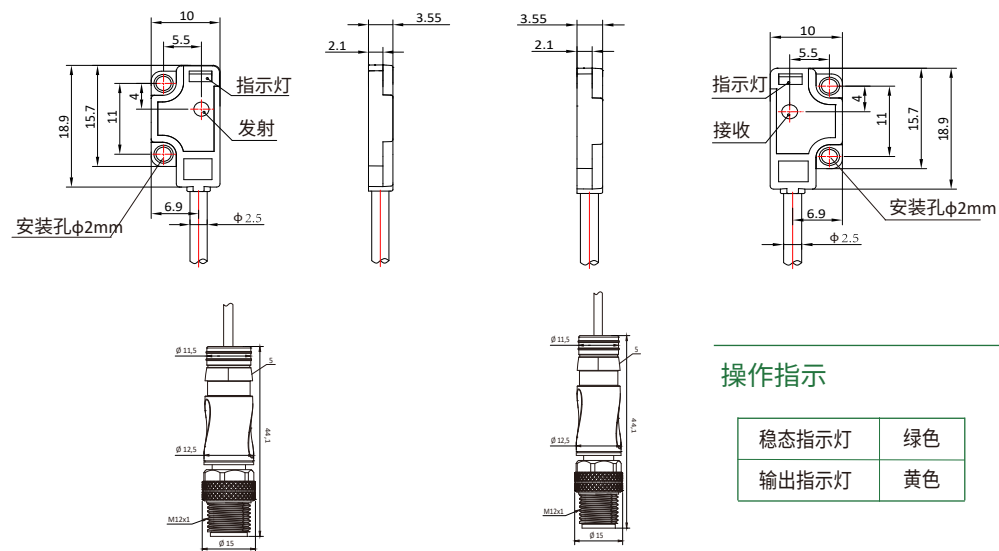
型号	检测距离	光源	输出方式	连接方式	接线图
OS4A-S6-0.3-Q12	500mm	红光	-----	*m线缆 + M12连接器, 4针	图1
OS4A-ELN6-0.3-Q12	500mm	-----	NPN	*m线缆 + M12连接器, 4针	图2
OS4A-EDN6-0.3-Q12	500mm	-----	NPN	*m线缆 + M12连接器, 4针	图3
OS4A-ELP6-0.3-Q12	500mm	-----	PNP	*m线缆 + M12连接器, 4针	图4
OS4A-EDP6-0.3-Q12	500mm	-----	PNP	*m线缆 + M12连接器, 4针	图5

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	防护等级	IP67
连接方式	0.3m线缆 + M12连接器, 4针		
外壳	PC+PBT		

外形尺寸

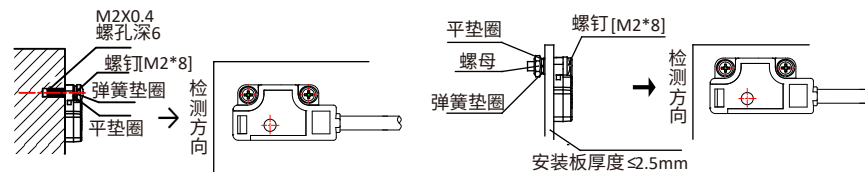


操作指示

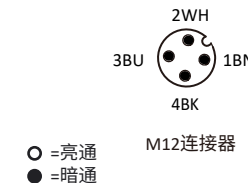
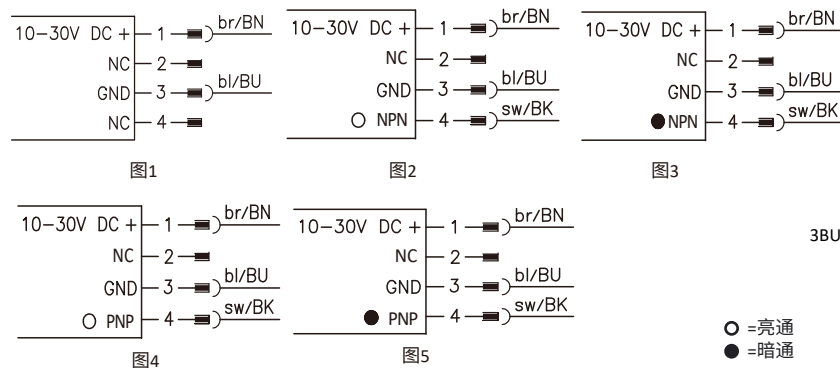
稳态指示灯	绿色
输出指示灯	黄色

安装

紧固扭矩 ≤ 0.2N·m



接线图



○ = 亮通
● = 暗通