

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
- Q8.3 - Pigtail product, the length of the cable can be customized



Type	Distance	Beam	Output	Connection	Wiring
OS22-S6-0.3-Q8.3/I	2m	Infrared	----	*m cable + M8, 3-pin	Fig.1
OS22-ELN6-0.3-Q8.3/I	2m	----	NPN	*m cable + M8, 3-pin	Fig.2
OS22-EDN6-0.3-Q8.3/I	2m	----	NPN	*m cable + M8, 3-pin	Fig.3
OS22-ELP6-0.3-Q8.3/I	2m	----	PNP	*m cable + M8, 3-pin	Fig.4
OS22-EDP6-0.3-Q8.3/I	2m	----	PNP	*m cable + M8, 3-pin	Fig.5

Note : * refers to the cable length in meters.

TECHNICAL SPECIFICATION

OPERATING VOLTAGE 10...30 V DC Class 2

LIGHT SOURCE TYPE Infrared LED

OUTPUT CHARACTERISTIC PNP/NPN

LOAD CURRENT ≤ 100 mA

SWITCHING FREQUENCY 800Hz

CONNECTING TYPE 0.3m cable + M8, 3-pin

HOUSING MATERIAL PC+PBT

AMBIENT TEMPERATURE OPERATION $-10^{\circ}\text{C} \dots +50^{\circ}\text{C}$

AMBIENT TEMPERATURE STORAGE $-40^{\circ}\text{C} \dots +70^{\circ}\text{C}$

UL TEMPERATURE 50°C

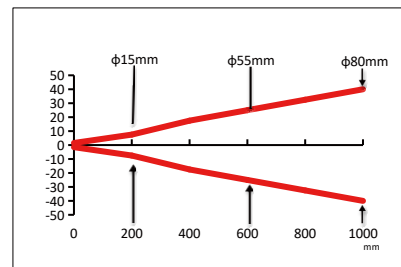
PROTECTION DEGREE IP67

CIRCUIT PROTECTION

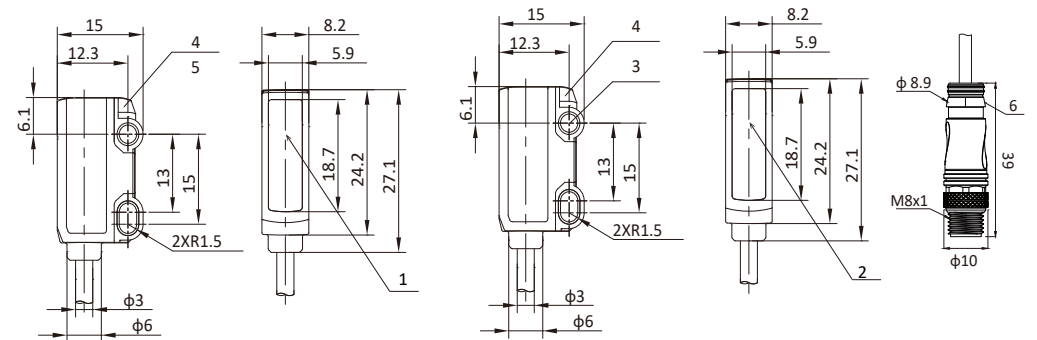
Short-circuit protection,
reverse polarity
protection,
over-load protection

SPOT PATTERN

OS22-S6/I (mm)



DIMENSIONS

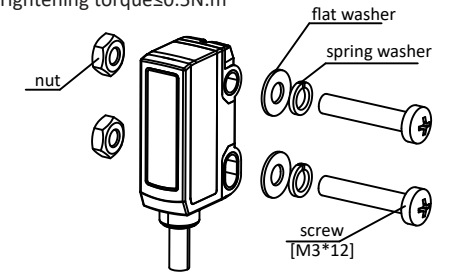


INDICATORS

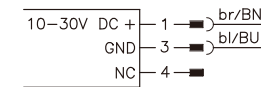
1	Receiver	
2	Emitter	
3	Mounting hole	$\phi 3.0$ mm
4	Steady state indicator	Green
5	Output indicator	Yellow
6	M8 Connector	

INSTALL

Recommended to use M3*12 screw for fastening
Tightening torque ≤ 0.5 N.m



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。

- 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
- φ3mm安装孔，内置金属件，坚固，长寿命
- Q8.3 - 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
OS22-S6-0.3-Q8.3/I	2m	红外光	----	*m线缆 + M8连接器,3针	图1
OS22-ELN6-0.3-Q8.3/I	2m	----	NPN	*m线缆 + M8连接器,3针	图2
OS22-EDN6-0.3-Q8.3/I	2m	----	NPN	*m线缆 + M8连接器,3针	图3
OS22-ELP6-0.3-Q8.3/I	2m	----	PNP	*m线缆 + M8连接器,3针	图4
OS22-EDP6-0.3-Q8.3/I	2m	----	PNP	*m线缆 + M8连接器,3针	图5

注:*表示线缆长度,单位米。

技术参数

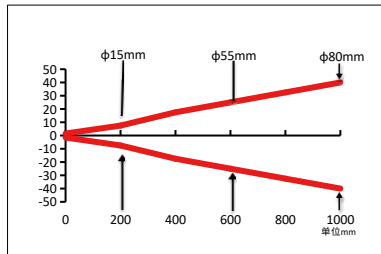
工作电压	10...30 V DC Class 2
光源	红外光 LED
输出特性	PNP/NPN
负载电流	≤100mA
开关频率	800Hz
连接方式	0.3m线缆 + M8连接器,3针
外壳	PC+PBT
工作温度	-10°C...+50°C
环境温度	-40°C...+70°C
UL温度	50°C
防护等级	IP67

保护电路

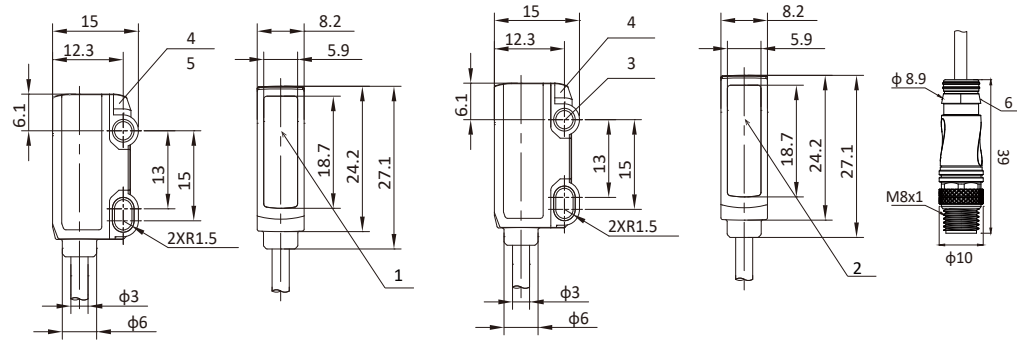
短路保护
反极性保护
输出过载保护

光斑图

OS22-S6/I (mm)



外形尺寸

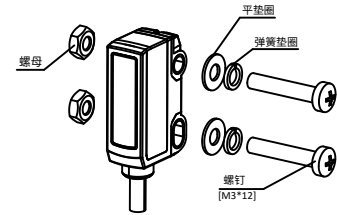


操作指示

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	黄色
6	M8连接器	

安装

建议使用M3*12螺钉紧固，紧固力矩≤0.5N.m



接线图

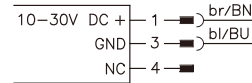


图1

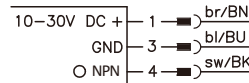


图2

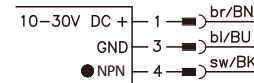


图3



图4

安全防御措施

▲危险	●本产品仅供目标检测之用，请勿将本产品用于保护人体或人体部位等目的。 ●本产品不得作为防爆产品使用，请勿在危险场所或潜在爆炸气体的环境中使用本产品。 ●若不按规定使用控制或调整装置、或执行各步操作，就可能引起有害的辐射照射。
▲警告	●本产品是采用直流供电的传感器，请勿施加交流电源，如果施加交流电压，则可能导致产品爆炸或起火。
注意	●请勿与电源线和高压线使用同一配线，否则可能因噪声声导致主模块发生故障或受损。 ●使用市面所售的开关稳压器时，请务必将壳体接地端子和接地端子接地。 ●请勿在室外使用本产品。

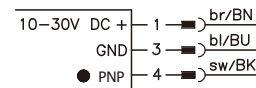
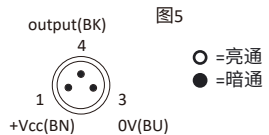


图5



维修

禁止客户拆解产品，请返厂维修