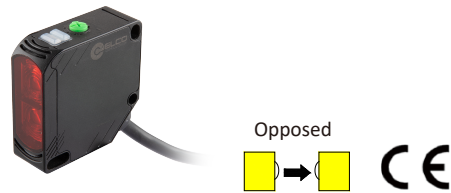


Product Description:

- Square size of 50*50, wide voltage supply, relay output.
- Suitable for garage, warehousing, logistics, crane collision and other applications.

Product features:

- Multiple output modes
- Long detection distance
- Flexible installation method



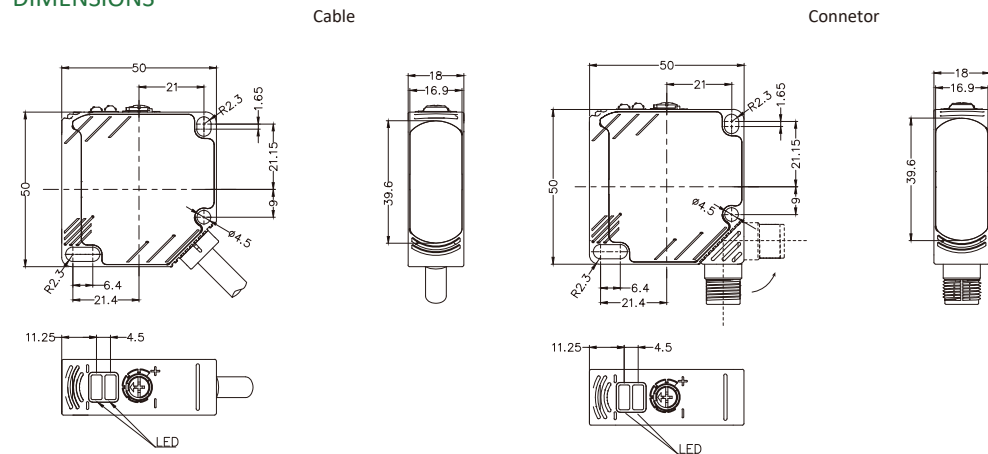
Type	Distance	Beam	Output	Connection	Wiring
OS50-S6 *M ¹⁾	40m	Infrared light	-----	Cable	Fig.1
OS50-S6Q	40m	Infrared light	-----	M12 Connector	Fig.2
OS50-EVP6 *M ¹⁾	40m	-----	PNP	Cable	Fig.3
OS50-EVP6Q	40m	-----	PNP	M12 Connector	Fig.5
OS50-EVN6 *M ¹⁾	40m	-----	NPN	Cable	Fig.4
OS50-EVN6Q	40m	-----	NPN	M12 Connector	Fig.6
OS50-S5 *M ¹⁾	40m	Infrared light	-----	Cable	Fig.7
OS50-EVR5 *M ¹⁾	40m	-----	Relay	M12 Connector	Fig.8

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 (NPN/PNP) 24...240 V DC/AC (Relay)	AMBIENT TEMPERATURE OPERATION	-25°C...+55°C
RIPPLE VOLTAGE	±10% of U_B	AMBIENT TEMPERATURE STORAGE	-40°C...+70°C
LIGHT SOURCE TYPE	Infrared light	CIRCUIT PROTECTION	Short-circuit protection, reverse polarity protection, over-load protection
OUTPUT CHARACTERISTIC	PNP/NPN/Relay	PROTECTION DEGREE	IP67
LOAD CURRENT	≤200mA (NPN/PNP) ≤3A (Relay)	HOUSING MATERIAL	PBT+ABS
SWITCHING FREQUENCY	800Hz (NPN/PNP) 50Hz (Relay)	CONNECTING TYPE	*m PVC cable /M12 connector
ADJUSTMENT OF SENSITIVITY	Knob adjustment		

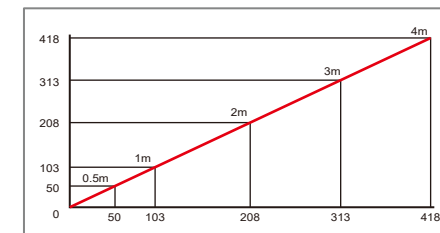
DIMENSIONS



INDICATORS

Sensitivity adjustment knob	
Steady state indicator	Green
Output indicator	Yellow

OS50-S6/S5 Spot pattern (mm)



ELECTRICAL CONNECTION

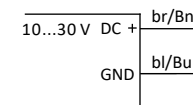


Fig.1

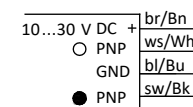


Fig.3

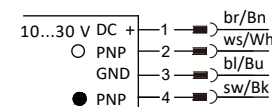


Fig.5

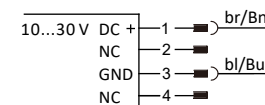


Fig.2

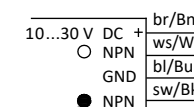


Fig.4

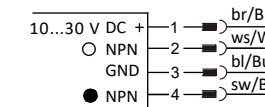


Fig.6

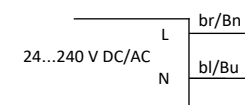


Fig.7

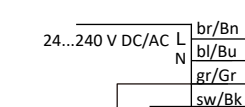
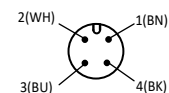


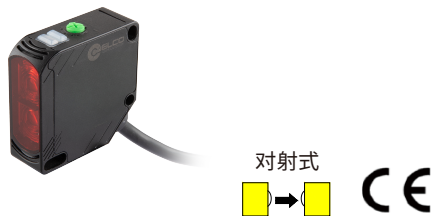
Fig.8



○ = Light on
● = Dark on

产品说明:

- 方形50*50尺寸，宽电压供电，继电器输出。
- 适用车库，仓储，物流，天车防撞等应用。



产品特点:

- 多种输出模式
- 长检测距离
- 灵活的安装方式

型号	检测距离	光源	输出方式	连接方式	接线图
OS50-S6 *M ¹⁾	40m	红外光	-----	线缆	图1
OS50-S6Q	40m	红外光	-----	M12 连接器	图2
OS50-EVP6 *M ¹⁾	40m	-----	PNP	线缆	图3
OS50-EVP6Q	40m	-----	PNP	M12 连接器	图5
OS50-EVN6 *M ¹⁾	40m	-----	NPN	线缆	图4
OS50-EVN6Q	40m	-----	NPN	M12 连接器	图6
OS50-S5 *M ¹⁾	40m	红外光	-----	线缆	图7
OS50-EVR5 *M ¹⁾	40m	-----	继电器	M12 连接器	图8

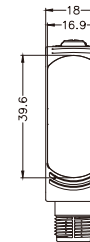
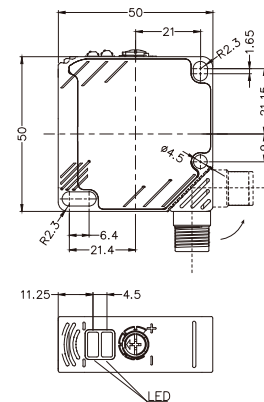
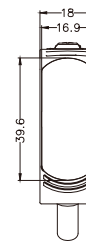
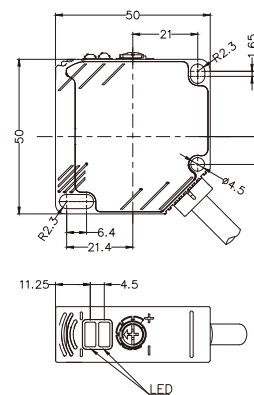
注1): *M表示线缆长度,单位米,型号中无*M默认线缆长度为2米。

技术参数

工作电压	10...30 V DC(NPN/PNP) 24...240 V DC/AC(继电器)	工作温度	-25°C...+55°C
纹波电压	±10% of U _B	环境温度	-40°C...+70°C
光源	红外光	保护电路	短路保护 反极性保护 输出过载保护
输出特性	NPN/PNP/继电器		
负载电流	≤200mA(NPN/PNP) ≤3A(继电器)	防护等级	IP67
开关频率	800Hz(NPN/PNP) 50Hz(继电器)	外壳	ABS+PBT
灵敏度调节	旋钮调节	连接方式	*m PVC线缆 /M12连接器

外形尺寸

线缆

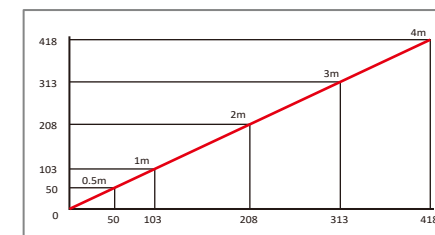


连接器

操作指示

灵敏度调节	
稳态指示灯	绿色
输出指示灯	黄色

OS50-S6/S5 光斑图(mm)



接线图

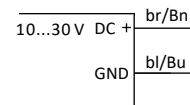


图1

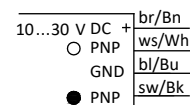


图3

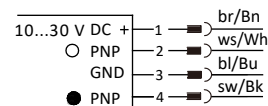


图5

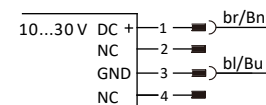


图2

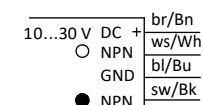


图4

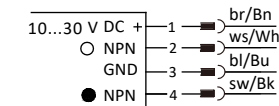


图6

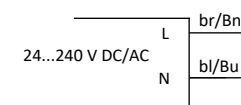


图7

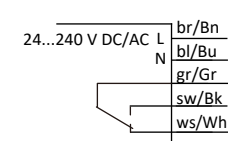
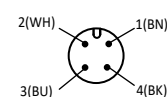


图8



○ = 亮通
● = 暗通