Product Description:

- Matal casing,150m laser beam.coaxal technology, noblind spots,precise positioning,wide voltage power supply.
- Suitable for automotive manufacturing,metallurgical industry,non-standard equipment,textile machinery,etc

Product features:

- Long detection distance
- Adjust sensititivity by adjusting the knob
- IP67 protection rating
- Relay output mode

Type	Distance	light source	Output	Connection	Wiring
OSM70-SL5 *M[1)]	150m	Laser Class Ⅰ	——	Cable	Fig.1
OSM70-ELVR5 *M[1)]	150m	Laser Class Ⅰ	Relay	Cable	Fig.2

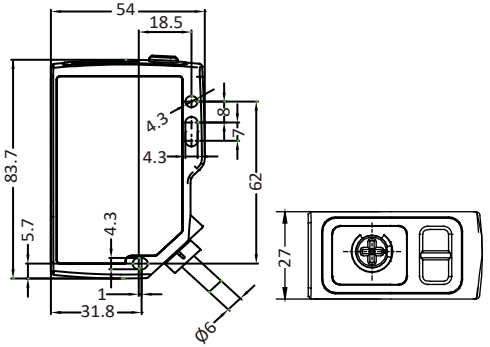
Note 1): * M refers to the cable length in meters. If there is no * M in the model, the default cable length is 2 meters.

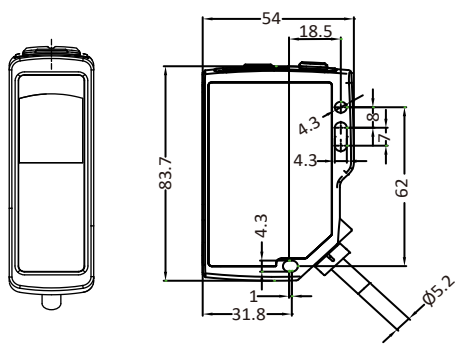
TECHNICAL SPECIFICATION

OPERATING VOLTAGE	DC20-240V±10% AC24-240V±10% 50/60Hz ±10% of U_B
BEAM	Laser Class Ⅰ
OUTPUT CHARACTERISTICS	Relay Output:1c Contact AC250v 3a(cosϕ=1)below
EMISSION CONSUMPTION CURRENT	≤10mA
RECEIVE CONSUMPTION CURRENT	≤20mA
SENSITIVITY(RECEIVING)	Rotary Switch
RECEIVE STATE INDICATION	Green LED
OUTPUT STATE INDICATION	Red LED
POWER INDICATION	Green LED
AMBIENT TEMPERATURE OPERATION	-20°C...+60°C
AMBIENT TEMPERATURE STORAGE	-40°C...+70°C
CIRCUIT PROTECTION	Short-circuit protection, Reverse polarity protection,
PROTECTION DEGREE	IP67
HOUSING	Die-Casting Zinc
CONNECTING TYPE	Cable
RESPONSE FREQUENCY	50Hz

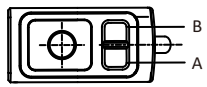
OSM70 SERIES PHOTOELECTRIC SENSOR

DIMENSIONS



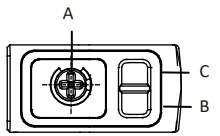


INDICATORS



A	Output indicator	Green
B	Stable indicator	Green

ELECTRICAL CONNECTION



A	Potentiometer	
B	Output indicator	Red
C	Stable indicator	Green

ELECTRICAL CONNECTION

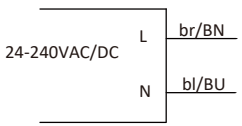


Fig.1

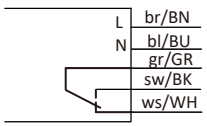
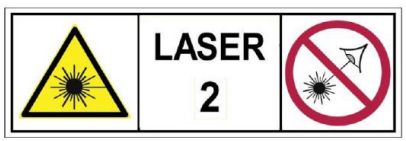


Fig.2

ELSAFETY WARINGS

IEC 60825-1:2014
EN 60825-1:2014+A11:2021
Maximum output:3mW,pulse duration:3,2us,wavelength:658nm
Beam divergence： 1 mrad

The laser can be turned off by turning off the power.
Please read the instruction before installing the product to ensure the product is suitable.
Please follow the standard rules used in the instruction.
Please contact your local ELCO representative or call hotline if you have any questions about the products described in this instruction.



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Tel: +86 22 23888288 / Fax: +86 22 23788399 / www.elco-holding.com.cn / Germany Tel: +49 70626599-260 / Germany Fax: +49 70626599-260 / Manufactured in china

产品说明:

- 金属外壳，150m激光对射。采用同轴技术，无盲区，精准定位，宽电压供电
- 适用于汽车制造、冶金行业、非标设备、纺织机械等应用

产品特点:

- 检测距离长
- 通过调节旋钮调节灵敏度
- IP67防护等级
- 继电器输出

型号	检测距离	光源	输出方式	连接方式	接线图
OSM70-SL5 *M 1)	150m	激光Class Ⅰ	— —	线缆	图1
OSM70-ELVR5 *M1)	150m	激光Class Ⅰ	继电器	线缆	图2

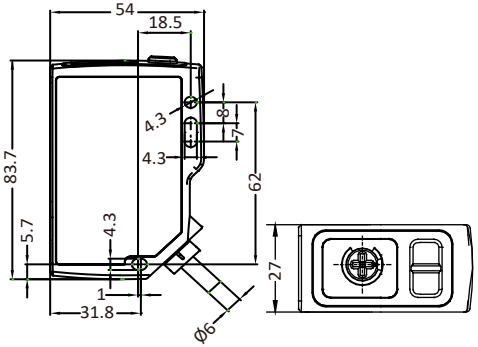
注1）：*M表示线缆长度，单位米，型号中无*M默认线缆长度为2米。

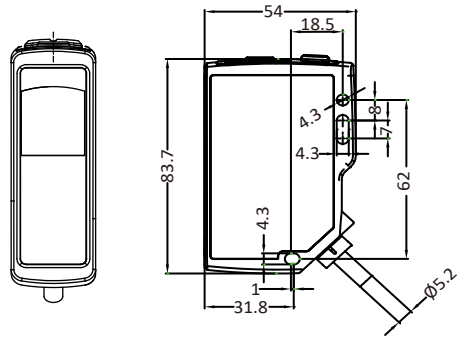
技术参数

工作电压	DC24-240V±10% AC24-240V±10% 50/60Hz	工作环境温度	-20°C...+60°C
纹波电压	±10% of U_B	储存环境温度	-40°C...+70°C
光源	激光 Class Ⅰ	保护电路	短路保护 反极性保护
输出特性	继电器输出：1c触点 AC250V 3A(cosφ=1)以下	防护等级	IP67
发射消耗电流	≤10mA	外壳	压铸件
接收消耗电流	≤20mA	连接方式	线缆式
灵敏度	单圈旋钮	响应频率	50Hz
接收状态指示灯	绿色LED		
接收状态指示灯	红色LED		
电源指示灯	绿色LED		

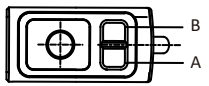
OSM70系列光电传感器

外形尺寸



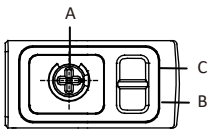


发射指示图



A	电源指示灯	绿色
B	电源指示灯	绿色

接收指示图



A	电位计	
B	输出状态指示灯	红色
C	接收状态指示灯	绿色

接线图

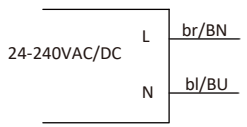


图1

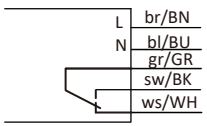
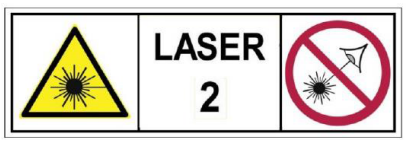


图2

安全警告

IEC 60825-1:2014
EN 60825-1:2014+A11:2021
最大输出:3mW，脉冲宽度:3,2us，波长:658nm
光束发散角：1 mrad

可通过切断电源来关闭激光
安装产品前请阅读本说明书，确保产品适用。
请遵守说明书中使用的标准规则。
如您对说明书中的描述有任何疑问，请联系当地ELCO代表或致电ELCO。



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