Product Description:

- Cylindrical circular hole installation,rectangular screw installation method optional.
- Suitable for applications such as automotive parts,packaging, logistics transportation,metal processing,etc.

Diffused
(BGS)

Product features:

- Compact size ang appearance
- Visible red light

Type	Distance	Beam	Output	Connection	Wiring
OSQ18-AK50VP6 *M[1)]	5...50mm	Red	PNP	Cable	Fig.1
OSQ18-AK50VP6Q	5...50mm	Red	PNP	M12 Connetor	Fig.2
OSQ18-AK50VN6 *M[1)]	5...50mm	Red	NPN	Cable	Fig.3
OSQ18-AK50VN6Q	5...50mm	Red	NPN	M12 Connetor	Fig.4
OSQ18-AK100VP6 *M[1)]	8...100mm	Red	PNP	Cable	Fig.1
OSQ18-AK100VP6Q	8...100mm	Red	PNP	M12 Connetor	Fig.2
OSQ18-AK100VN6 *M[1)]	8...100mm	Red	NPN	Cable	Fig.3
OSQ18-AK100VN6Q	8...100mm	Red	NPN	M12 Connetor	Fig.4

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.

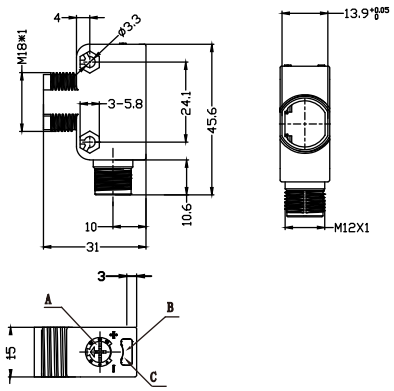
TECHNICAL SPECIFICATION

OPERATING VOLTAGE	10...30 V DC	**AMBIENT TEMPERATURE OPERATION**	-25°C...+55°C
RIPPLE VOLTAGE	≤10%	**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		
LOAD CURRENT	≤200mA	**PROTECTION DEGREE**	IP67
SWITCHING FREQUENCY	400Hz	**HOUSING MATERIAL**	PBT+ABS
ADJUSTMENT OF SENSITIVITY	Knob adjustment	**CONNECTING TYPE**	*m TPU cable /M12 connector

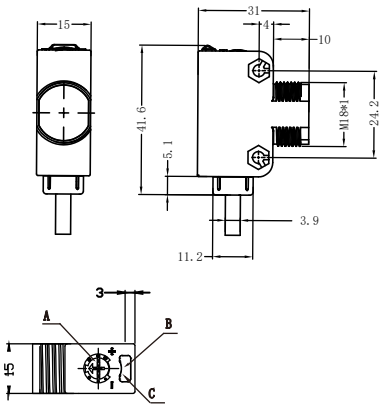
OSQ18 SERIES PHOTOELECTRIC SENSOR

DIMENSIONS

M12 Connetor

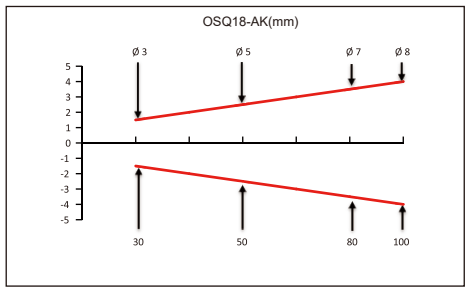


Cable



INDICATORS

A	Potentiometer	
B	Output indicator	Yellow
C	Stable indicator	Green



ELECTRICAL CONNECTION

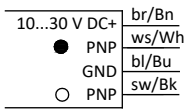


Fig.1

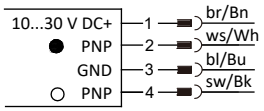


Fig.2

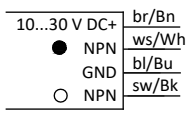


Fig.3

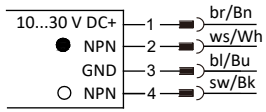
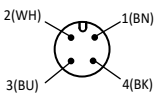


Fig.4



○ =Light on
● =Dark on

产品说明:

- 圆柱形圆孔安装，矩形螺丝安装方式可选。
- 适用汽车零部件，包装，物流输送，金属加工等应用。

产品特点:

- 小巧的尺寸外形
- 可见红光

背景抑制

型号	检测距离	光源	输出方式	连接方式	接线图
OSQ18-AK50VP6 *M[1)]	5...50mm	红光	PNP	线缆	图1
OSQ18-AK50VP6Q	5...50mm	红光	PNP	M12 连接器	图2
OSQ18-AK50VN6 *M[1)]	5...50mm	红光	NPN	线缆	图3
OSQ18-AK50VN6Q	5...50mm	红光	NPN	M12 连接器	图4
OSQ18-AK100VP6 *M[1)]	8...100mm	红光	PNP	线缆	图1
OSQ18-AK100VP6Q	8...100mm	红光	PNP	M12 连接器	图2
OSQ18-AK100VN6 *M[1)]	8...100mm	红光	NPN	线缆	图3
OSQ18-AK100VN6Q	8...100mm	红光	NPN	M12 连接器	图4

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。

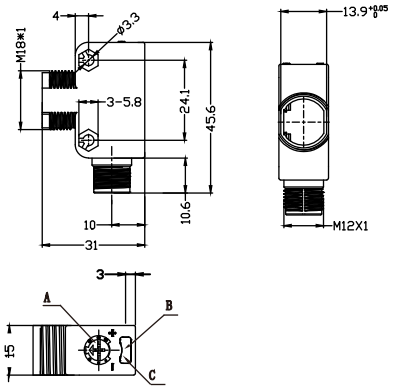
技术参数

工作电压	10...30 V DC	**工作温度**	-25°C...+55°C
纹波电压	≤10%	**环境温度**	-40°C...+70°C
光源	红光	**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		
负载电流	≤200mA	**防护等级**	IP67
开关频率	400Hz	**外壳**	PBT+ABS
灵敏度调节	旋钮调节	**连接方式**	*m TPU 线缆 /M12连接器

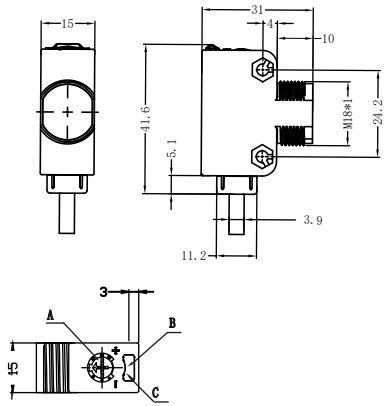
OSQ18系列光电传感器

外形尺寸

M12 连接器

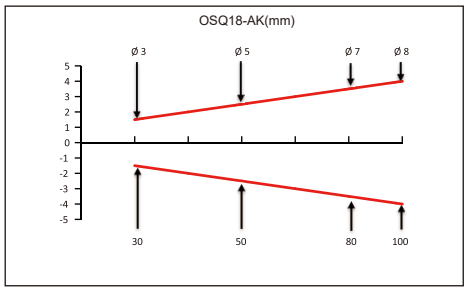


线缆



操作指示

A	电位器调节	
B	开关动作指示灯	黄色LED
C	电源稳态指示灯	绿色LED



接线图

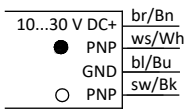


图1

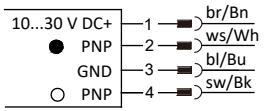


图2

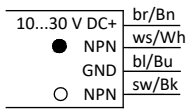


图3

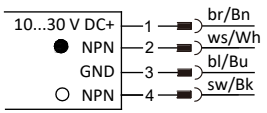
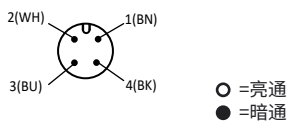



图4