

Photoelectric Sensors—Rectangular-OSM42



Description:

Laser displacement sensor, 655nm laser source, metal housing, suitable for logistics, packaging, automobiles, customized equipment. etc.

Features:

- High precision, accurate positioning
- Strong resistance to ambient light, compact size
- 2 switch output

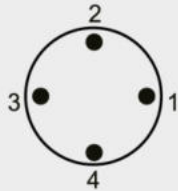
Type:

Type	Distance	Light source	Output	Resolution	Connection	Wiring
OSM42-KL1200C2B6	150...1200mm	Red laser	NPN/PNP	1mm	2m cable	Fig.1
OSM42-KL2000C2B6	95...2000mm	Red laser	NPN/PNP	1mm	2m cable	Fig.1

Technical Data:

Supply voltage	10-30VDC
Ripple voltage	≤10%
No-load current	≤150mA
Power	<0.8W
Switch output	NPN/PNP
Light source	655nm laser source
Protection circuit	Reverse polarity protection, short circuit protection, Overload protection
Response time	500Hz
Repeatability	2mm(150mm~600mm); 5mm(600mm~800mm); 10mm(800mm~1200mm)
Spot diameter	2mm@600mm; 3.5mm@1200mm
Housing material	Die-cast zinc
Ambient temperature	-10°C-50°C
Voltage resistance	1000V/AC/ 50/60Hz 60s
Insulation impedance	≥50MΩ (500VDC)
Shock resistance	Complex amplitude 1.5mm 10... 50Hz (2hr X, Y,Z respectively)
Impact resistance	500m/S ² (50G) 3 times X,Y,Z respectively
Protection class	IP67
Dimensions	46*20*29mm

Interface output:



	Function	Wire color
1	Power +	BN
2	Power -	BU
3	Switch 1	BK
4	Switch 2	WH

Indicator:



STA: status

L/D: light on/dark on

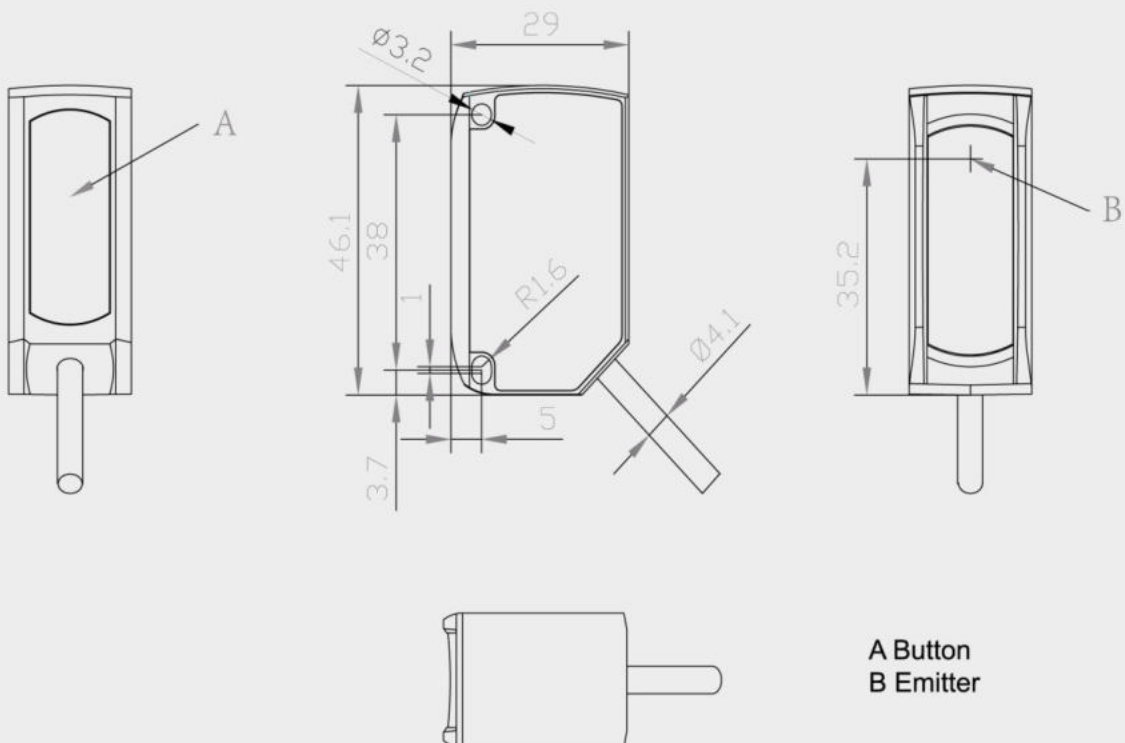
OUT1: switch 1 digital output

OUT2: switch 2 digital output

Keys instruction:

TEACH: setting

Dimensions:



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