

V5GM-SN Series Light Curtain

- Height 102 mm, when the detection output is directly connected to the operation indicator, it can also be used as a large working status indicator.
- Ultra-thin shell, only 13 mm
- The emitter and receiver are equipped with clear operation lights.
- 3 detection heights, including 8,12 and 16 Optical axis type
- Anti-interference Settings for Parallel Installation



Technical parameter

Model			V5GM-SN8	V5GM-SN12	V5GM-SN16
			V5GM-SP8	V5GM-SP12	V5GM-SP16
Number of optical axis			8	12	16
Height of detection			140mm	220mm	300mm
Detectable object			Opaque object: Φ min. 30mm		
Detection distance			4m		
Optical axis distance			20mm		
Supply voltage			12- 24VDC pulsation (P-P) ± 10%max		
Consumption current	emitter	indicator light on	0.7W max	0.8W max	0.9W max
		indicator light off	0.6W max	0.7W max	0.8W max
	receiver	indicator light on	0.7W max	0.8W max	0.8W max
		indicator light off	0.6W max	0.7W max	0.9W max
Output			NPN open-circuit collector transistor Maximum inflow current: 100mA External voltage: 30V DC (between output and 0V) Residual voltage: max. 1V (inflow current: 100mA) Max. 0.4V (inflow current: 16mA)	PNP open-circuit collector transistor Maximum inflow current: 100mA External voltage: 30V DC (between output and 0V) Residual voltage: max. 1V (inflow current: 100mA) Max. 0.4V (inflow current: 16mA)	
Output control			All axis get through ON(one or more axis is blocked OFF)		
Protection circuit			Reverse Electrode Protection, Overcurrent Protection, Overvoltage Protection		
Reaction time			Max. 10ms(When using anti-interference mode: max. 12ms)		
Indicator	Emitter		Emit indicator: green LED×2 (emitting light on, When setting frequency A, 1 LED lights up, setting frequency B, 2LED light up) Working indicator: red LED(When working indicator light up,flick or went out, Selection of Lighting Form by Working Mode Switch)		
	Receiver		Working state indicator: red LED (when 1 or more axis blocked will light up) Stable light receiving indicator: green LED (stable received all the axis will light up) Working indicator: red LED (When working indicator light up,flick or went out, Selection of Lighting Form by Working Mode Switch) * When the passing current is excessive, due to short circuit protection, the stable light receiving indicator and working state indicator of the receiver will flick together		
Anti-interference function			Build-in		
Working Ambient temperature			Working: -10 to +55°C, storage: -10 to +60°C (No frozen No condensation)		
Working ambient humidity			Working: 35 to 85% RH, storage: 35 to 85RH%(No condensation)		
Light-emitting diode			Infrared		
Protection structure			IEC-IP40		
Material			Shell: Heat- resistant ABS, lens cover: PC Indicator cover: PC		
Weight			about: 350g	about:400g	about 450g

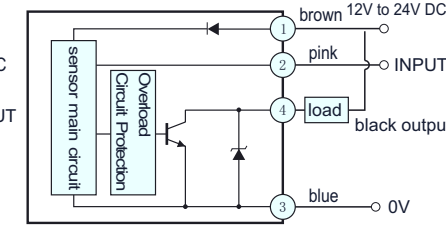
Input/Output Circuit

V5GM-SN8/V5GM-SP8/V5GM-SN12
/V5GM-SP12/V5GM-SN16/V5GM-SP16(EMIT)



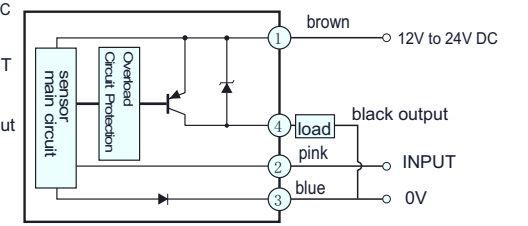
V5GM-SN8/V5GM-SN12
/V5GM-SN16(RECEIVE)

NPN



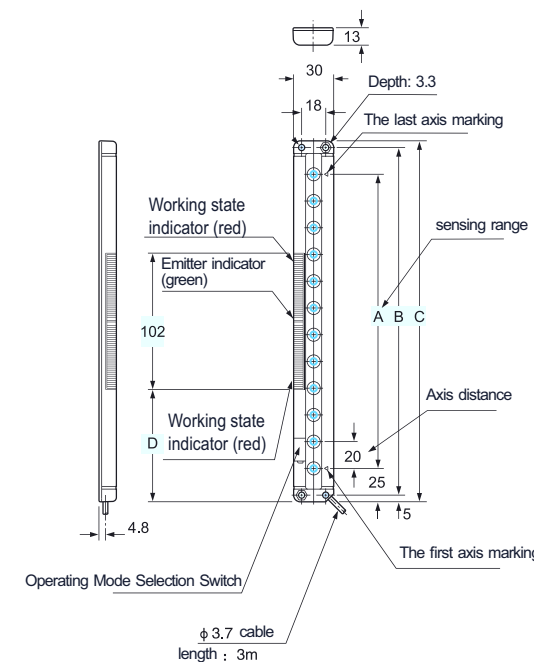
V5GM-SP8/V5GM-SP12
/V5GM-SP16(RECEIVE)

PNP

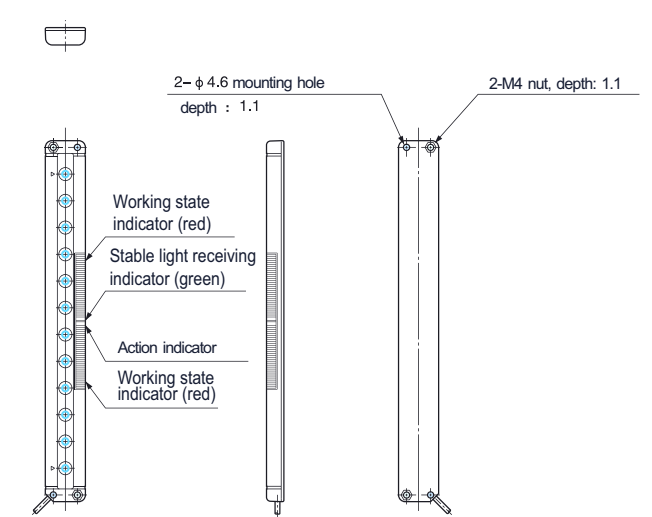


Size specification

Emitter



Receiver



Model No.	A	B	C	D
V5GM - SN(P)8	140	180	190	52
V5GM - SN(P)12	220	260	270	84
V5GM - SN(P)16	300	340	350	124