



## GS-11P5

Non-contact type Standard type PNP Standard cable 5 m



\*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

## Specifications

Model	GS-11P5		
Type	Standard type		
Operating distance	Front	Sao(OFF→ON)	10 mm <b>0.39"</b>
		Sar(ON→OFF)	18 mm <b>0.71"</b>
	Side	Sao(OFF→ON)	6 mm <b>0.24"</b>
		Sar(ON→OFF)	14 mm <b>0.55"</b>
Response time	Detection	Detect→Not detect	20 ms + 2 ms × (number of units cascaded - 1)*1
		Not detect→Detect	30 ms + 25 ms × (number of units cascaded - 1)*1
Door operation	Acceptable operation frequency	3 Hz	
Cascading	Standard	Max. 30 units	
	Using Y-shaped connector	-	
Control output (OSSD output)	Output	Transistor outputs × 2	
	Max. load current	Max. 150 mA	
	Residual voltage (during ON)	Max 2.5 V (with a cable length of 5 m <b>16.40'</b> )	
	OFF state voltage	Max 2.0 V (with a cable length of 5 m <b>16.40'</b> )	
	Leakage current	Max. 500 μA	
	Max. capacitive load	2.2 μF	
AUX (Non-safety related output)	Load wiring resistance	Max.2.5Ω	
	Output	Transistor output	
	Number of outputs	1	
	Max. load current	50 mA	
External input (Short-circuit current)	Residual voltage (during ON)	Max 2.5 V (with a cable length of 5 m <b>16.40'</b> )	
	Safety input	Approx. 1.5 mA × 2	
Applicable Standards (Safety)	Reset/EDM input	-	
	EN 61508, IEC 61508 (SIL3) EN 6206, IEC62061 (SIL CL3) EN ISO13849-1: 2015 (PLe, Category 4) EN ISO14119 (Type4) IEC 60947-5-3, EN 60947-5-3 UL 61010-1, CAN/CSA-C22.2 No.61010-1		
Protection circuit	Reverse current protection, short-circuit protection and surge protection for each output		
Power supply	Power voltage	24 V DC ±20 % (Ripple P-P 10 % or less, Class2)	
	Power consumption	0.8 W	
Environmental resistance	Enclosure rating	IP65/67(IEC60529), IP69K(ISO20653) (TÜV SÜD certified) Enclosure Type 3/4X/12/13 (NEMA250)	
	Operating ambient temperature	-20°C to +55°C <b>-4°F to 131°F</b> (No freezing)	
	Storage temperature	-25°C to +70°C <b>-13°F to 158°F</b> (No freezing)*2	

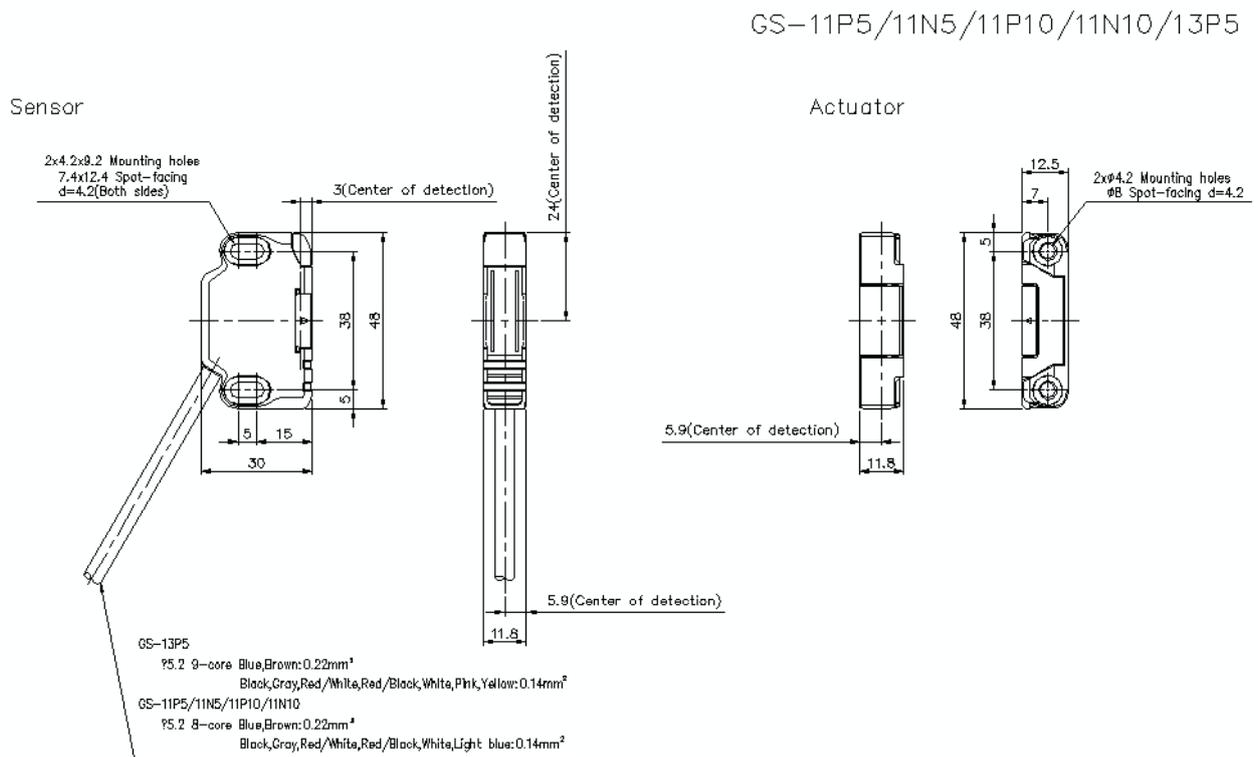
	Operating relative humidity		5% to 95%RH
	Storage relative humidity		
	Vibration resistance		10 to 55 Hz, Double amplitude 3.0 mm 0.12", 5 minutes in each of the X, Y, and Z directions (IEC 60947-5-3)
	Shock resistance		30 G in X, Y, Z directions 6 times each axis (IEC 60947-5-3)
Material	Sensor main unit	Case	Zinc die cast (Nickel chrome plating), PBT, PAR
		Cable	PVC
	Actuator	Case	SUS430, SUS304, PBT
Weight			Approx. 270 g

\*1 Risk time according to IEC60947-5-3 is 150 ms + 2 ms × (number of units cascaded -1).

\*2 When stored for a long period of time, please store it at a temperature of 55°C 131°F or lower.

## Dimensions

\* Download CAD file or product manual for larger image/text and more detail.



GS-11P5/11N5/11P10/11N10/13P5+GS-B01

GS-B01

