



GS-11N5

Non-contact type Standard type NPN 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-11N5
Type			Standard type
Operating distance	Front	Sao(OFF→ON)	10 mm 0.39"
		Sar(ON→OFF)	18 mm 0.71"
	Side	Sao(OFF→ON)	6 mm 0.24"
		Sar(ON→OFF)	14 mm 0.55"
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. 100 mA
	Residual voltage (during ON)		Max 2.5 V (with a cable length of 5 m 16.40')
	OFF state voltage		Max 2.0 V (with a cable length of 5 m 16.40')
	Leakage current		Max. 500 μA
	Max. capacitive load		2.2 μF
	Load wiring resistance		Max.2.5Ω
AUX (Non-safety related output)	Output		Transistor output
	Number of outputs		1
	Max. load current		50 mA
	Residual voltage (during ON)		Max 2.5 V (with a cable length of 5 m 16.40')
External input (Short-circuit current)	Safety input		Approx. 1.5 mA × 2
	Reset/EDM input		-
Applicable Standards (Safety)			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 -4°F to 131°F (No freezing)
	Operating relative humidity		5% to 95%RH

	Storage temperature		-25°C to +70°C -13°F to 158°F (No freezing)*2
	Storage relative humidity		5% to 95%RH
	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

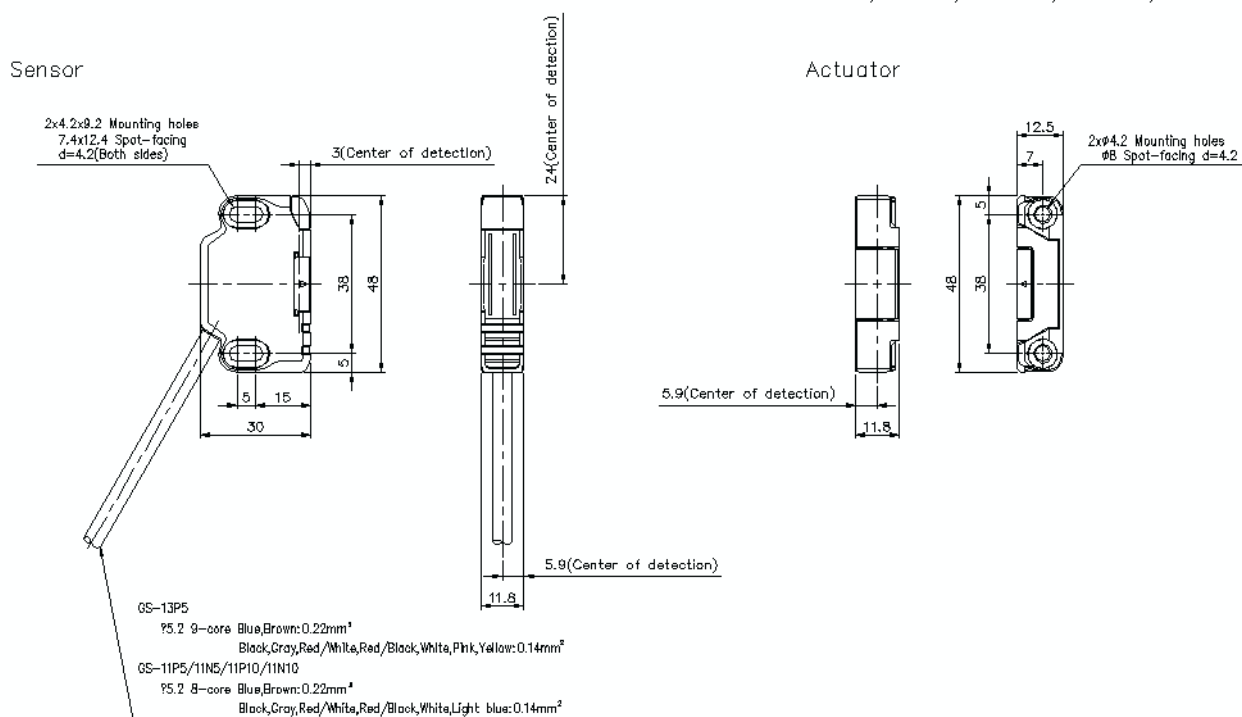
*1 Risk time according to IEC60947-5-3 is 150 ms + 2 ms × (number of units cascaded -1).

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

Dimensions

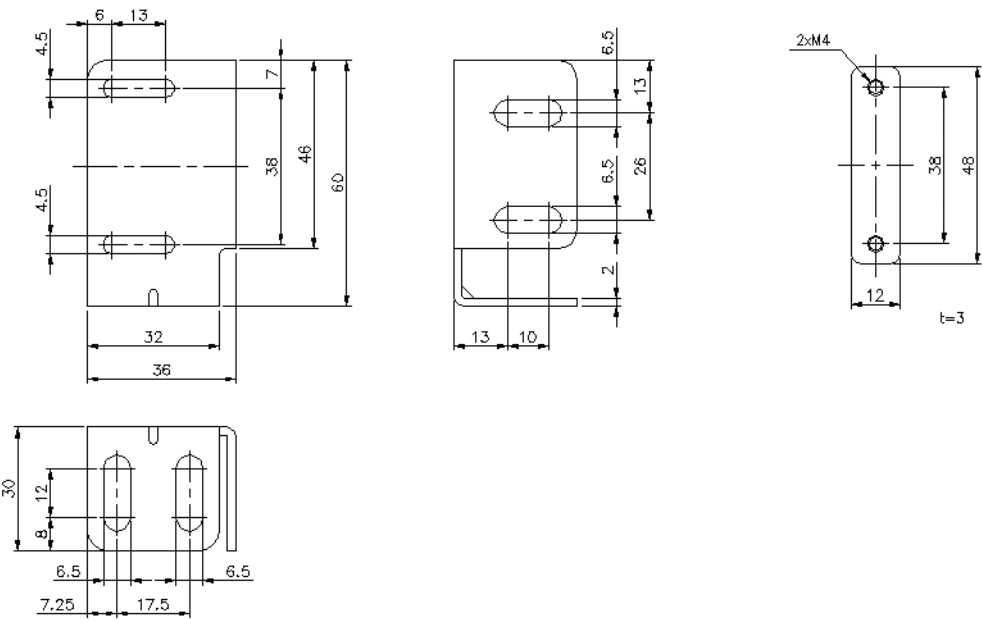
* Download CAD file or product manual for larger image/text and more detail.

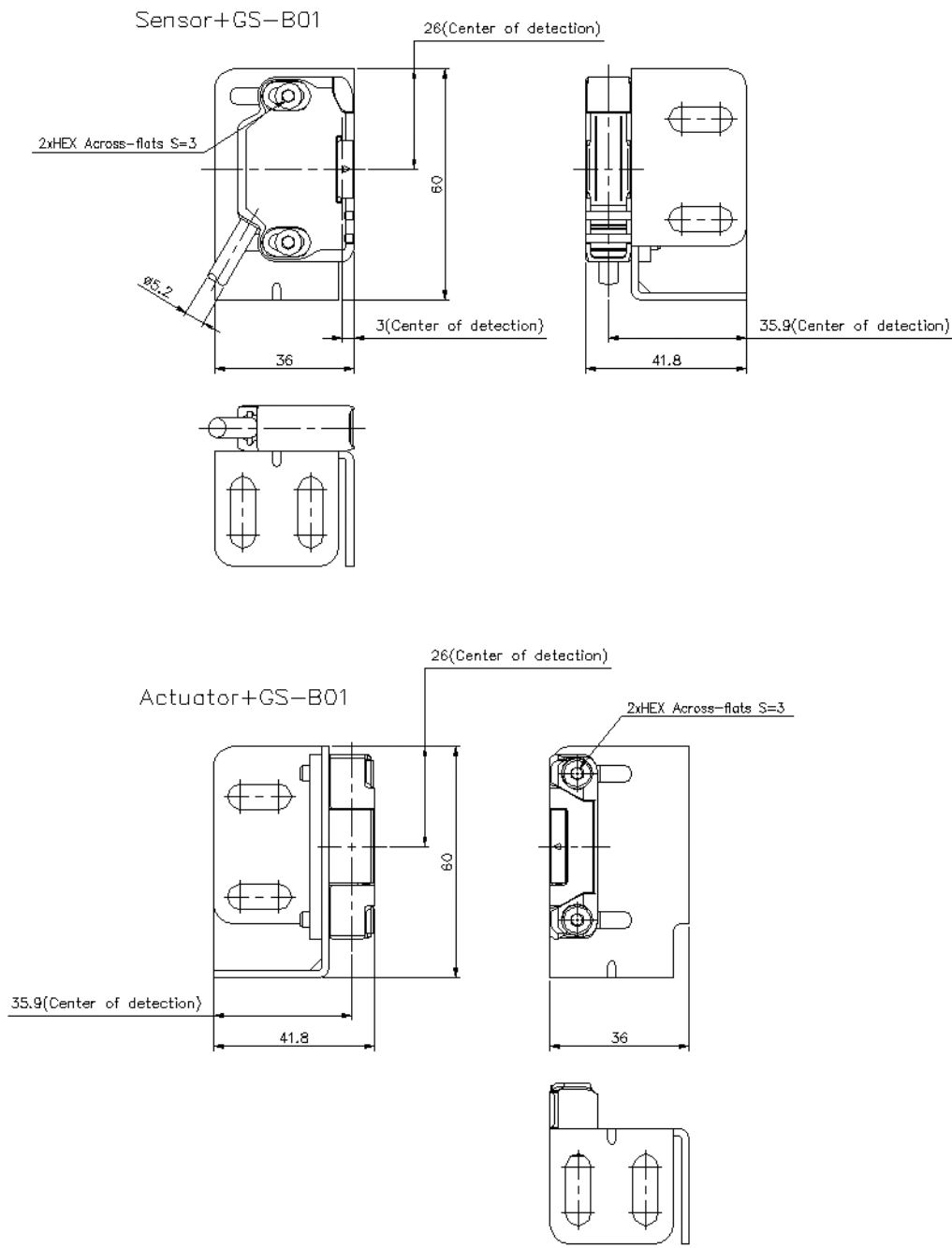
GS-11P5/11N5/11P10/11N10/13P5



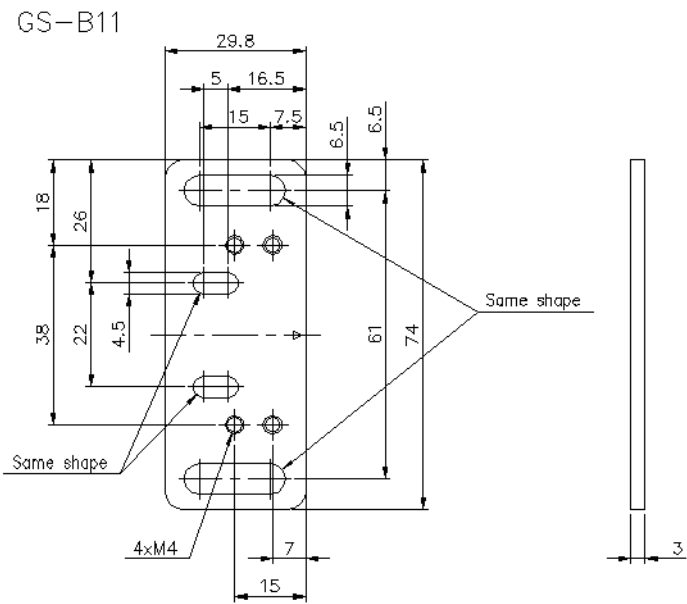
GS-11P5/11N5/11P10/11N10/13P5+GS-B01

GS-B01





GS-11P5/11N5/11P10/11N10/13P5+GS-B11



[illegible]

Actuator+GS-B11

Technical drawing of the Actuator+GS-B11. The drawing includes a side view on the left and a front view on the right. The side view shows a profile with a total width of 14.8 and a distance of 8.9 from the left edge to the center of the detection area. The front view shows a rectangular component with a total height of 74 and a total width of 29.8. The distance from the top edge to the center of the detection area is 30.5. The distance from the right edge to the center of the detection area is 12.5. The front view also shows four mounting holes, with a note indicating 2x HEX Across-flats S=3.

8.9(Center of detection)

14.8

74

30.5(Center of detection)

12.5

29.8

2xHEX Across-flats S=3