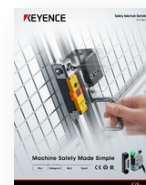


Non-contact type Standard type PNP M12 connector type

GS-11PC



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[Data Sheet \(PDF\)](#) 

[Manuals](#) 



UL standard / CSA standard conformity

Specifications

Model			GS-11PC
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

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SSR output	Max. load current	Max. 150 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	Enclosure rating	IP65/67(IEC60529), IP69K(ISO20653) (TÜV

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	Storage temperature		25 °C to 175 °C 151 °F to 351 °F (no freezing)
	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. 80 g

*¹ Risk time according to IEC60947-5-3 is 150 ms + 2 ms × (number of units cascaded -1).
*² When AUX outputs of each unit are not used, it is possible to cascade up to 10 units.
*³ When stored for a long period of time, please store it at a temperature of 55°C **131°F** or lower.

Other Models →

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