

**ORDER GUIDE**

**GX-6 type**

Type	Appearance (mm in)	Sensing range (Note 1)	Model No. (Note 2)	Output	Output operation
NPN output	Front sensing 	<p>Maximum operation distance</p> <p>1.6 mm 0.063 in</p> <p>Stable sensing range</p> <p>(0 to 1.3 mm 0 to 0.051 in)</p>	GX-F6A	NPN open-collector transistor	Normally open
			GX-F6AI		Normally closed
			GX-F6B		Normally open
	Top sensing 		GX-H6A		Normally open
			GX-H6AI		Normally closed
			GX-H6B		Normally open
PNP output	Front sensing 		GX-F6A-P	PNP open-collector transistor	Normally open
			GX-F6AI-P		Normally closed
			GX-F6B-P		Normally open
	Top sensing 		GX-H6A-P		Normally open
			GX-H6AI-P		Normally closed
			GX-H6B-P		Normally open
			GX-H6BI-P	Normally closed	

Notes: 1) The maximum operation distance stands for the maximum distance for which the sensor can detect the standard sensing object. The stable sensing range stands for the sensing range for which the sensor can stably detect the standard sensing object even if there is an ambient temperature drift and/or supply voltage fluctuation.  
2) "I" in the model No. indicates a different frequency type.

**GX-8 type**

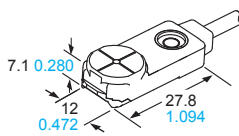
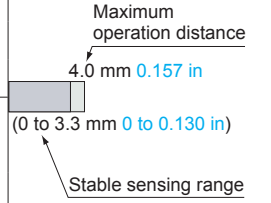
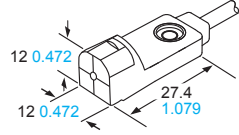
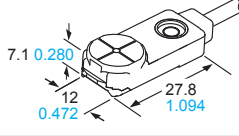
Type	Appearance (mm in)	Sensing range (Note 1)	Model No. (Note 2)	Output	Output operation
NPN output	Front sensing 	<p>Maximum operation distance</p> <p>2.5 mm 0.098 in</p> <p>Stable sensing range</p> <p>(0 to 2.1 mm 0 to 0.083 in)</p>	GX-F8A	NPN open-collector transistor	Normally open
			GX-F8AI		Normally closed
			GX-F8B		Normally open
	Top sensing 		GX-H8A		Normally open
			GX-H8AI		Normally closed
			GX-H8B		Normally open
PNP output	Front sensing 		GX-F8A-P	PNP open-collector transistor	Normally open
			GX-F8AI-P		Normally closed
			GX-F8B-P		Normally open
	Top sensing 		GX-H8A-P		Normally open
			GX-H8AI-P		Normally closed
			GX-H8B-P		Normally open
			GX-H8BI-P	Normally closed	

Notes: 1) The maximum operation distance stands for the maximum distance for which the sensor can detect the standard sensing object. The stable sensing range stands for the sensing range for which the sensor can stably detect the standard sensing object even if there is an ambient temperature drift and/or supply voltage fluctuation.  
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- FA COMPONENTS
- MACHINE VISION SYSTEMS
- UV CURING SYSTEMS
- Selection Guide
- Amplifier Built-in
- Amplifier-separated
- GX-F/H**
- GXL
- GL
- GX-4/GX-FU/GX-N
- GX

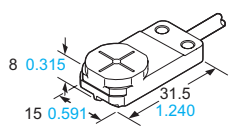
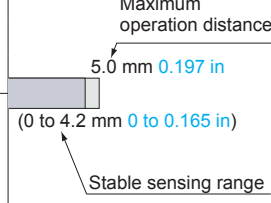
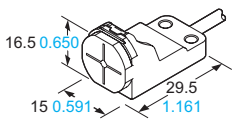
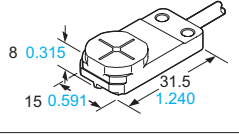
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**GX-12 type**

Type	Appearance (mm in)	Sensing range (Note 1)	Model No. (Note 2)	Output	Output operation
NPN output	Front sensing  7.1 0.280 12 0.472 27.8 1.094	 Maximum operation distance 4.0 mm 0.157 in Stable sensing range (0 to 3.3 mm 0 to 0.130 in)	GX-F12A	NPN open-collector transistor	Normally open
			GX-F12AI		Normally closed
			GX-F12B		Normally open
	GX-F12BI		Normally closed		
	GX-H12A		Normally open		
	GX-H12AI		Normally closed		
PNP output	Top sensing  12 0.472 27.4 1.079		GX-H12B	PNP open-collector transistor	Normally open
			GX-H12BI		Normally closed
			GX-F12A-P		Normally open
	GX-F12AI-P		Normally closed		
	GX-F12B-P		Normally open		
	GX-F12BI-P		Normally closed		
PNP output	Front sensing  7.1 0.280 12 0.472 27.8 1.094		GX-H12A-P	PNP open-collector transistor	Normally open
			GX-H12AI-P		Normally closed
			GX-H12B-P		Normally open
	GX-H12BI-P		Normally closed		
	GX-H12A-P		Normally open		
	GX-H12BI-P		Normally closed		

Notes: 1) The maximum operation distance stands for the maximum distance for which the sensor can detect the standard sensing object.  
 The stable sensing range stands for the sensing range for which the sensor can stably detect the standard sensing object even if there is an ambient temperature drift and/or supply voltage fluctuation.  
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**GX-15 type**

Type	Appearance (mm in)	Sensing range (Note 1)	Model No. (Note 2)	Output	Output operation
NPN output	Front sensing  8 0.315 15 0.591 31.5 1.240	 Maximum operation distance 5.0 mm 0.197 in Stable sensing range (0 to 4.2 mm 0 to 0.165 in)	GX-F15A	NPN open-collector transistor	Normally open
			GX-F15AI		Normally closed
			GX-F15B		Normally open
	GX-F15BI		Normally closed		
	GX-H15A		Normally open		
	GX-H15AI		Normally closed		
PNP output	Top sensing  16.5 0.650 15 0.591 29.5 1.161		GX-H15B	PNP open-collector transistor	Normally open
			GX-H15BI		Normally closed
			GX-F15A-P		Normally open
	GX-F15AI-P		Normally closed		
	GX-F15B-P		Normally open		
	GX-F15BI-P		Normally closed		
PNP output	Front sensing  8 0.315 15 0.591 31.5 1.240		GX-H15A-P	PNP open-collector transistor	Normally open
			GX-H15AI-P		Normally closed
			GX-H15B-P		Normally open
	GX-H15BI-P		Normally closed		
	GX-H15A-P		Normally open		
	GX-H15BI-P		Normally closed		

Notes: 1) The maximum operation distance stands for the maximum distance for which the sensor can detect the standard sensing object.  
 The stable sensing range stands for the sensing range for which the sensor can stably detect the standard sensing object even if there is an ambient temperature drift and/or supply voltage fluctuation.  
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