

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 	<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-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

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 	<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-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

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-12 type

Type	Appearance (mm in)	Sensing range (Note 1)	Model No. (Note 2)	Output	Output operation
NPN output			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			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		
NPN output			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-F12A-P		Normally open		
	GX-F12AI-P		Normally closed		
PNP output			GX-F12B-P	PNP open-collector transistor	Normally open
			GX-F12BI-P		Normally closed
			GX-H12A-P		Normally open
	GX-H12AI-P		Normally closed		
	GX-H12B-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.
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GX-15 type

Type	Appearance (mm in)	Sensing range (Note 1)	Model No. (Note 2)	Output	Output operation
NPN output			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			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		
NPN output			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-F15A-P		Normally open		
	GX-F15AI-P		Normally closed		
PNP output			GX-F15B-P	PNP open-collector transistor	Normally open
			GX-F15BI-P		Normally closed
			GX-H15A-P		Normally open
	GX-H15AI-P		Normally closed		
	GX-H15B-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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