FIBER SENSORS

LASER SENSORS

PHOTO-ELECTRIC SENSORS MICRO PHOTO-ELECTRIC SENSORS AREA SENSORS

LIGHT CURTAINS

PRESSURE / FLOW SENSORS

INDUCTIVE PROXIMITY SENSORS

PARTICULAR USE SENSORS

SENSOR OPTIONS SIMPLE WIRE-SAVING UNITS

MEASURE-MEASURE-MENT SENSORS STATIC CONTROL DEVICES

LASER MARKERS

PLC / TERMINALS

HUMAN MACHINE INTERFACES

ENERGY CONSUMPTION VISUALIZATION COMPONENTS

FA COMPONENTS

MACHINE VISION SYSTEMS UV CURING SYSTEMS

Selection Guide Amplifier Built-in Amplifierseparated

GX-F/H

GXL

GL

GX-U/GX-FU/
GX-N

GX

ORDER GUIDE

GX-6 type

Ту	/pe	Appearance (mm in)	Sensing range (Note 1)	Model No. (Note 2)	Output	Output operation
NPN output	Front sensing	6 0.236 6 0.236 24.5 0.965		GX-F6A	NPN open-collector	Normally open
				GX-F6AI		
				GX-F6B		Normally closed
				GX-F6BI		
	Top sensing	6 0.236 opera		GX-H6A transistor	transistor	Normally open
			Maximum	GX-H6AI	-	
			operation distance 1.6 mm 0.063 in (0 to 1.3 mm 0 to 0.051 in) Stable sensing range	GX-H6B		Normally closed
				GX-H6BI		
PNP output	Front sensing	6.0226		GX-F6A-P		Normally open
				GX-F6AI-P		
				GX-F6B-P		Normally closed
				GX-F6BI-P	PNP open-collector	
	Top sensing	6 0.236 6 0.236 0.984	GX-H6A-P	transistor	Normali	
				GX-H6AI-P		Normally open
				GX-H6B-P		Normally closed
				GX-H6BI-P		

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

Ту	/pe	Appearance (mm in)	Sensing range (Note 1)	Model No. (Note 2)	Output	Output operation
NPN output	Front sensing	7.4 0.291 8 0.315 23 0.906	Maximum operation distance 2.5 mm 0.098 in (0 to 2.1 mm 0 to 0.083 in) Stable sensing range	GX-F8A	NPN open-collector transistor	Normally open
				GX-F8AI		
				GX-F8B		Normally closed
				GX-F8BI		
	Top sensing	8.2 0.323 8 0.315 25 0.984		GX-H8A		Normally open
				GX-H8AI		
				GX-H8B		Normally closed
				GX-H8BI		
PNP output	Front sensing	7.4 0.291 8 0.315 23 0.906		GX-F8A-P	PNP open-collector	Normally open
				GX-F8AI-P		
				GX-F8B-P		Normally closed
				GX-F8BI-P		
	Top sensing	8.2 0.323 8 0.315 25 0.984		GX-H8A-P	transistor	Normally open
				GX-H8AI-P		
				GX-H8B-P		Normally closed
				GX-H8BI-P		

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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ORDER GUIDE

GX-12 type

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

2) " I " in the model No. indicates a different frequency type.

GX-15 type

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Туре		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		GX-F15A	NPN open-collector transistor	Normally open		
				GX-F15AI				
				GX-F15B		Normally closed		
				GX-F15BI				
	Top sensing	16.5 0.650 Maximum operation distance 5.0 mm 0.197 in		GX-H15A				
			GX-H15AI		Normally open			
				GX-H15B		Normally closed		
				GX-H15BI				
PNP output	Front sensing		(0 to 4.2 mm 0 to 0.165 in)	GX-F15A-P		Namedia		
		ensir	8 0.315	ansiris and a series of the se	\ \ \ \	GX-F15AI-P		Normally open
		31.5 Stable sensing range	Stable sensing range	GX-F15B-P				
			GX-F15BI-P	PNP open-collector	Normally closed			
	Top sensing	16.5 0.650 29.5 15 0.591 1.161	29.5 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.

2) "I" in the model No. indicates a different frequency type.

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