

**ORDER GUIDE**

**GX-6 type**

Type	Appearance (mm in)	Sensing range (Note 1)	Model No. (Note 2)	Output	Output operation
NPN output	Front sensing 	Maximum operation distance 1.6 mm 0.063 in  Stable sensing range (0 to 1.3 mm 0 to 0.051 in)	GX-F6A	NPN open-collector transistor	Normally open
			GX-F6AI		Normally closed
			GX-F6B		Normally open
	GX-F6BI		Normally closed		
	GX-H6A		Normally open		
	GX-H6AI		Normally closed		
PNP output	Top sensing 		GX-H6B	PNP open-collector transistor	Normally open
			GX-H6BI		Normally closed
			GX-F6A-P		Normally open
	GX-F6AI-P		Normally closed		
	GX-F6B-P		Normally open		
	GX-F6BI-P		Normally closed		
NPN output	Front sensing 		GX-H6A-P	PNP open-collector transistor	Normally open
			GX-H6AI-P		Normally closed
			GX-H6B-P		Normally open
	GX-H6BI-P		Normally closed		
	GX-F6A-P		Normally open		
	GX-F6AI-P		Normally closed		
PNP output	Top sensing 		GX-F6B-P	PNP open-collector transistor	Normally open
			GX-F6BI-P		Normally closed
			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 	Maximum operation distance 2.5 mm 0.098 in  Stable sensing range (0 to 2.1 mm 0 to 0.083 in)	GX-F8A	NPN open-collector transistor	Normally open
			GX-F8AI		Normally closed
			GX-F8B		Normally open
	GX-F8BI		Normally closed		
	GX-H8A		Normally open		
	GX-H8AI		Normally closed		
PNP output	Top sensing 		GX-H8B	PNP open-collector transistor	Normally open
			GX-H8BI		Normally closed
			GX-F8A-P		Normally open
	GX-F8AI-P		Normally closed		
	GX-F8B-P		Normally open		
	GX-F8BI-P		Normally closed		
NPN output	Front sensing 		GX-H8A-P	PNP open-collector transistor	Normally open
			GX-H8AI-P		Normally closed
			GX-H8B-P		Normally open
	GX-H8BI-P		Normally closed		
	GX-F8A-P		Normally open		
	GX-F8AI-P		Normally closed		
PNP output	Top sensing 		GX-F8B-P	PNP open-collector transistor	Normally open
			GX-F8BI-P		Normally closed
			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.  
 2) "I" in the model No. indicates a different frequency type.

- FIBER SENSORS
- LASER SENSORS
- PHOTO-ELECTRIC SENSORS
- MICRO PHOTO-ELECTRIC SENSORS
- AREA SENSORS
- LIGHT CURTAINS/SAFETY COMPONENTS
- PRESSURE / FLOW SENSORS
- INDUCTIVE PROXIMITY SENSORS
- PARTICULAR USE SENSORS
- SENSOR OPTIONS
- SIMPLE WIRE-SAVING UNITS
- WIRE-SAVING SYSTEMS
- MEASUREMENT SENSORS
- STATIC ELECTRICITY PREVENTION DEVICES
- LASER MARKERS
- PLC
- HUMAN MACHINE INTERFACES
- ENERGY CONSUMPTION VISUALIZATION COMPONENTS
- FA COMPONENTS
- MACHINE VISION SYSTEMS
- UV CURING SYSTEMS
- Selection Guide
- Amplifier Built-in
- Amplifier-separated
- GX-F/H**
- GXL
- GL
- GX-M
- GX-U/GX-FU/ GX-N
- GX

**ORDER GUIDE**

**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			
	GX-H12A		Normally closed			
	GX-H12AI				Normally open	
	GX-H12BI					Normally closed
PNP output			GX-F12A-P	PNP open-collector transistor		
			GX-F12AI-P		Normally closed	
			GX-F12B-P			Normally open
	GX-H12A-P		Normally closed			
	GX-H12AI-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.  
 2) " I " in the model No. indicates a different frequency type.

**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			
	GX-H15A		Normally closed			
	GX-H15AI				Normally open	
	GX-H15BI					Normally closed
PNP output			GX-F15A-P	PNP open-collector transistor		
			GX-F15AI-P		Normally closed	
			GX-F15B-P			Normally open
	GX-H15A-P		Normally closed			
	GX-H15AI-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.

FIBER SENSORS

LASER SENSORS

PHOTO-ELECTRIC SENSORS

MICRO PHOTO-ELECTRIC SENSORS

AREA SENSORS

LIGHT CURTAINS / SAFETY COMPONENTS

PRESSURE / FLOW SENSORS

INDUCTIVE PROXIMITY SENSORS

PARTICULAR USE SENSORS

SENSOR OPTIONS

SIMPLE WIRE-SAVING UNITS

WIRE-SAVING SYSTEMS

MEASUREMENT SENSORS

STATIC ELECTRICITY PREVENTION DEVICES

LASER MARKERS

PLC

HUMAN MACHINE INTERFACES

ENERGY CONSUMPTION VISUALIZATION COMPONENTS

FA COMPONENTS

MACHINE VISION SYSTEMS

UV CURING SYSTEMS

Selection Guide

Amplifier Built-in

Amplifier-separated

**GX-F/H**

**GXL**

**GL**

**GX-M**

GX-U/GX-FU/GX-N

**GX**