

# GA-311 GH SERIES

Related Information

- General terms and conditions..... F-17
- Sensor selection guide ..... P.757~
- Glossary of terms..... P.1386~
- General precautions ..... P.1405



[panasonic-electric-works.net/sunx](http://panasonic-electric-works.net/sunx)



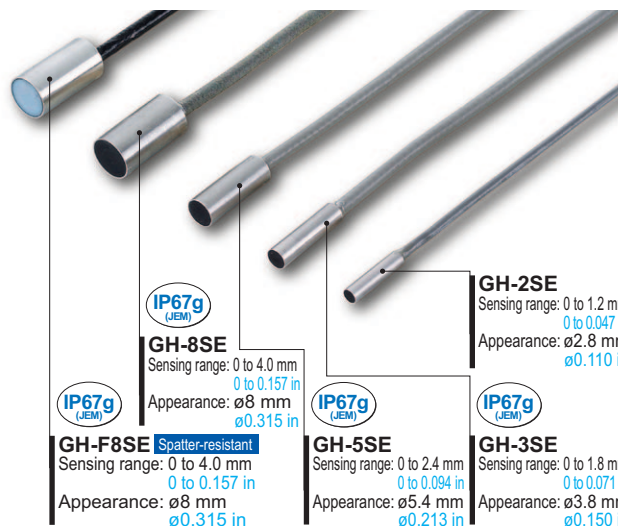
## High-speed response and excellent workability

### Suitable for high-speed applications

It has a high performance of 3.3 kHz response frequency. These sensors are ideal for sensing objects moving at high speeds.

### IP67g (JEM) sensor head variations

The lineup includes 5 different models, from an ultra-compact 2.8 mm 0.110 in diameter type to a spatter-resistant type. Furthermore, all except for the **GH-2SE** are IP67g (JEM) oil-resistant models so that they can be used with confidence even in adverse environments.



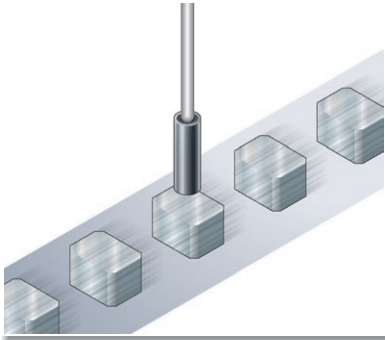
- FIBER SENSORS
- LASER SENSORS
- PHOTOELECTRIC SENSORS
- MICRO PHOTOELECTRIC SENSORS
- AREA SENSORS
- LIGHT CURTAINS
- PRESSURE / FLOW SENSORS
- INDUCTIVE PROXIMITY SENSORS
- PARTICULAR USE SENSORS
- SENSOR OPTIONS
- SIMPLE WIRE-SAVING UNITS
- WIRE-SAVING SYSTEMS
- MEASUREMENT SENSORS
- STATIC CONTROL DEVICES
- ENDOSCOPE
- LASER MARKERS
- PLC / TERMINALS
- HUMAN MACHINE INTERFACES
- ENERGY CONSUMPTION VISUALIZATION COMPONENTS
- FA COMPONENTS
- MACHINE VISION SYSTEMS
- UV CURING SYSTEMS

- Selection Guide
- Amplifier Built-in
- Amplifier-separated

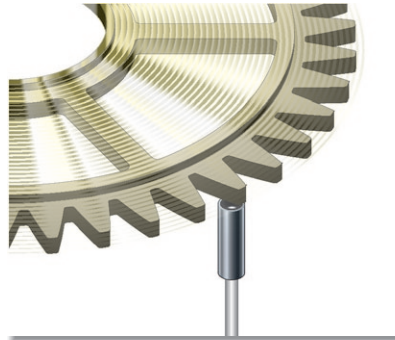
GA-311/GH

**APPLICATIONS**

**Detecting small metal parts**



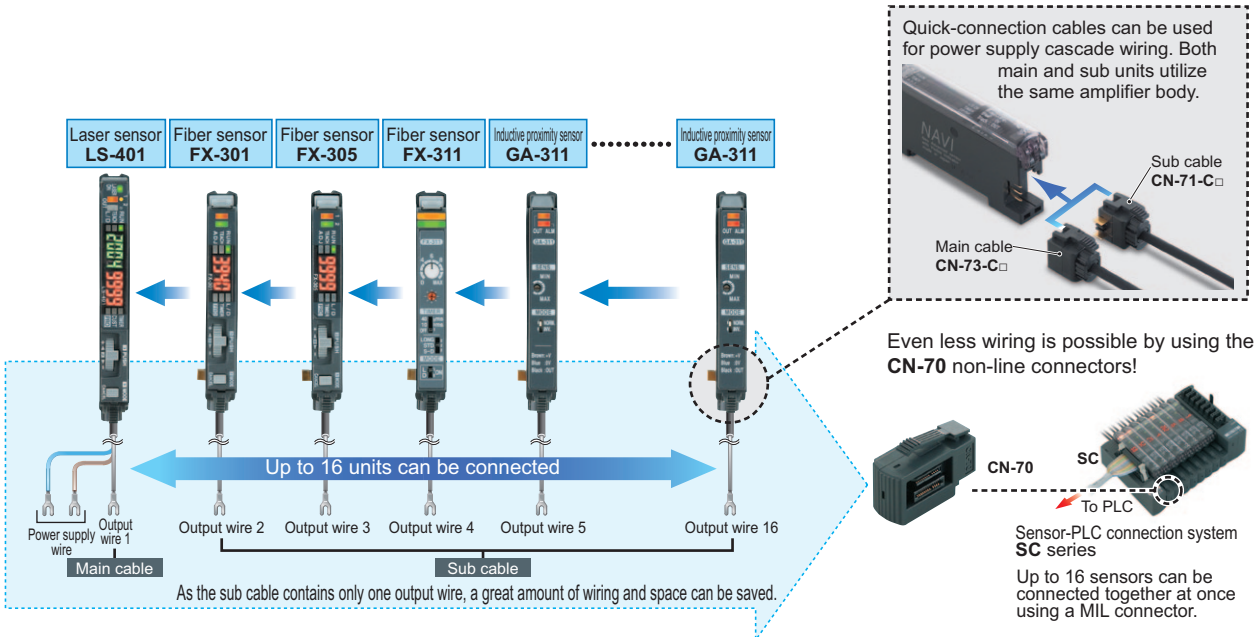
**Detecting rotation of a gear**



**MOUNTING / MAINTENANCE**

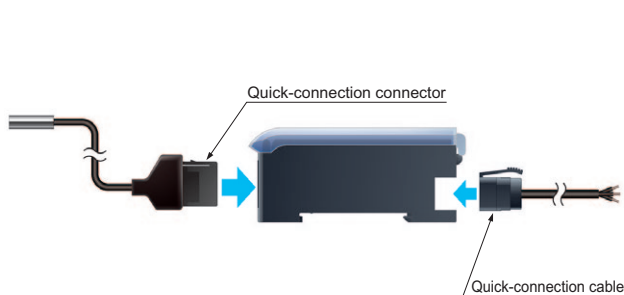
**Excellent workability and ease of maintenance**

They all have the same form as the **FX-300** series of fiber sensors. The quick-connection cables are also of the same shape, so that fiber sensors and laser sensors can all be used together and less power supply wiring is required.



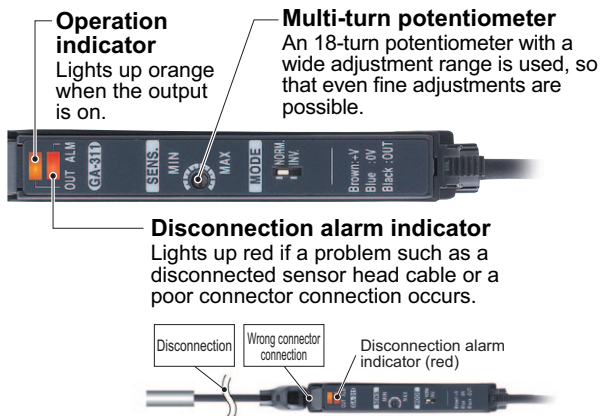
**Labor-saving by one-touch connections**

The connection between the sensor head and the amplifier is made using a quick-connection connector. Past troublesome connections using a screwdriver are no longer necessary.



**FUNCTIONS**

**Disconnection alarm indicator and operation indicator have been incorporated**



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LASER SENSORS

PHOTOELECTRIC SENSORS

MICRO PHOTOELECTRIC SENSORS

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**INDUCTIVE PROXIMITY SENSORS**

PARTICULAR USE SENSORS

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