



## Economical Background Suppression-Photoelectric Sensor PNP BQ25-G300P Detection Distance 20-300mm

### Basic Information

- Place of Origin: Guangdong China
- Brand Name: KRONZ
- Certification: CE
- Model Number: BQ25-G300P
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Polybag packing
- Delivery Time: 5-8 working days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 10000 pieces per month



### Product Specification

- Detection Distance: 20-300mm
- Response Time: 1ms
- Control Output: NPN & PNP: Open Collector Output 24V, Max. 100mA (only For Main Unit) Residual Voltage: 1V
- Output Option: LIGHT-ON/DARK-ON Is Controlled By White Wire. Connecting The White Wire To GND Is DARK ON, Connecting The Brown Wire Or Leaving It Unconnected Is L ON
- Output Function: 1 Output Port, equipped With Short Circuit Protection And Automatic Anti-interference Function
- Power: 12 To 24VDC $\pm$ 10%, Floating Ratio(P-P):Max.10 L2
- Ambient Light: Incandescent Light: Max. 20,000lux, Sunlight: Max. 30,000lux
- Ambient Temperature: -10 To +55 , No Freezing



## Product Description

The BQ25-G300P is a budget-friendly photoelectric sensor equipped with **background suppression technology** for precise and stable object detection. With a sensing range of **20–300 mm**, it ensures consistent performance even in environments with reflective or varying backgrounds, minimizing false triggers.

Built with a **PNP output** for easy system integration, this sensor features a compact, durable housing that withstands the demands of industrial automation. It is ideal for use in conveyor systems, packaging machinery, and automated inspection processes.

### Features:

**Detection Range:** 20–300 mm with reliable background suppression.

**Output Type:** PNP for direct connection to control systems.

**Accurate Sensing:** Detects objects regardless of surface color or texture.

**Compact & Sturdy:** Suitable for tight spaces and industrial environments.

**Applications:** Automation lines, sorting systems, material handling, and packaging.

### Technical Parameters

PNP	BQ25-G300P
Detection Distance	20-300mm
Response Time	< 1ms
Control Output	NPN & PNP: Open collector output 24V, Max. 100mA (only for main unit) Residual voltage: 1V
Output Option	LIGHT-ON/DARK-ON is controlled by white wire. Connecting the white wire to GND is DARK ON, connecting the brown wire or leaving it unconnected is L ON
Output Function	1 output port,equipped with short circuit protection and automatic anti-interference function
Power	12 to 24VDC ±10%, floating ratio(P-P):Max.10% L2
Light Source	Red 635NM, 4-element LED
Indicator	Green LED indicator indicates power indicator, red LED indicates output
Power Consumption	Standard mode: Max. 300mW, Max. voltage: 24V
Ambient Light	Incandescent light: Max. 20,000lux, Sunlight: Max. 30,000lux
Ambient Temperature	-10 to +55°C , no freezing
Vibration Resistance	10 to 55Hz, double amplitude: 1.5mm, X,Y,Z axis are 2 hours respectively

### Product Images

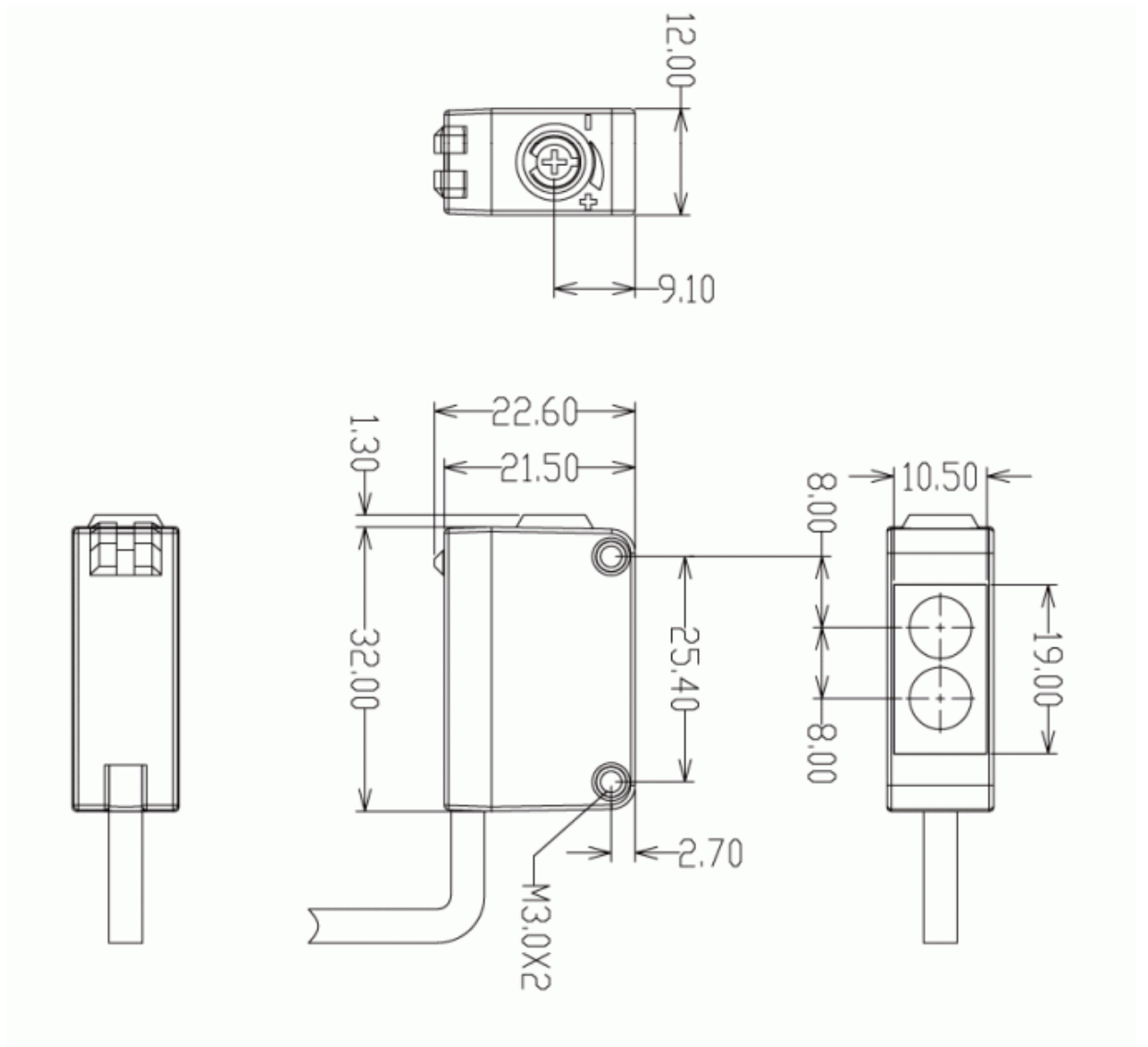
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**Product Dimension Drawing**



**Company Profile**

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## ABOUT US

KRONZ is a manufacturing enterprise located in Zengcheng District, Guangzhou City. We focus on providing customers with high-efficiency industrial automation solutions and related industrial products. After many years of innovation and development, KRONZ has complete product processing equipment and a professional team who are proficient in various automation technologies.

In order to improve the quality of products and production efficiency, we continue to introduce advanced production equipment and technology, strengthen investment in research and development. At present, our main products include Industrial Connectors, Inductive Sensors, Capacitive Sensors, Photoelectric Sensors, Ultrasonic Sensors, Industrial power supplies, Industrial fieldbus, RFID recognition systems, Industrial Ethernet Switches

We not only produce the orders of standard products, but also have ability to make customize production based on customer design drawings or samples.

Adhering to the principle of mutual benefit, we provide our customers with competitive prices , and perfect after-sales service. Kronz's products have been sold in multiple countries, have won the trust and praise of customers. KRONZ expect to collaborate with you.

## OUR FACTORY





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# Logistics and Payment



1. Samples and small orders can be shipped with fast shipment method, by air and by express. Bulk order will ship by sea, by air, by train, by truck etc.
2. We also can send the goods to your agent warehouse.
3. If you need any more shipping method, please feel free to contact with us.







### Note:

Due to the wide range of our products, we cannot list all product pictures and corresponding product parameters. If you have other needs, please communicate with me. We can provide supplementary information and technical support.  
We Are Happy to Serve You.



**CONTACT US**

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