



Through-beam Photoelectric Sensor 40-300mm Sensing Distance in Industrial Applications

Our Product Introduction

For more products please visit us on connector-industrial.com

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: KRONZ
- Certification: CE
- Model Number: BLQ20-G300N
- 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

KRONZ

Product Specification

- Assure Sensing Range 40-280mm (black Paper:100mm)
Sa:
- Distance Deviation: 3%
- Sensing Range Sn: 30-300mm
- Current Consumption: 3mA
- Control Output: NPN/PNP
- Power Supply: DC 12~24V; Ripple :±10%
- Highlight: **Industrial Through beam Photoelectric Sensor ,
300mm Sensing Distance Photoelectric Sensor**

KRONZ

Product Description

Product Description:

A Photoelectric Sensor is an essential component in industrial automation, designed to detect the presence or absence of objects using a light transmitter and receiver. These sensors play a crucial role in various applications such as warehouse automation and machine guarding, ensuring efficient and safe operations.

What is the CMOS laser displacement sensor?

CMOS laser displacement sensor is a high-precision, non-contact measurement device that uses a **laser beam** and a **CMOS (Complementary Metal-Oxide-Semiconductor) image sensor** to measure the distance to a target surface. These sensors are widely used in industrial automation and quality control where precise, real-time distance or thickness measurement is required.

KRONZ

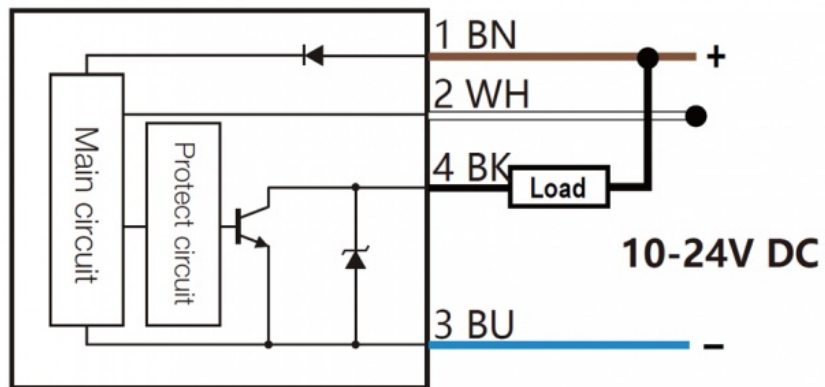




NPN	BLQ20-G300N (Pointed beam)
Assure Sensing range Sa	40-300mm (white paper:100mm) 40-280mm (black paper:100mm)
White/black deviation	3%(160mm)
Distance deviation	3%
Sensing range Sn	30-300mm
Current consumption	3mA
Wave length	Laser (655nm) JIS/IEC CLASS 1,FDA CLASS I 4.5mW
Control output	open collector; NPN/PNP; Switching mode: Light/dark switching
Residual voltage	1V (operating current: 10mA) 2V (operating current: 10~100mA)
Power supply	DC 12~24V; ripple :±10%
Response time	0.5ms
Ambient temperature	Operating: -25°C~+55°C; Storage: -40°C+70°C (non-freezing,non-condensing)
Ambient humidity	Operating: 35%~85%RH; Storage: 35~95%RH (non-freezing,non-condensing)
Protection	Power reverse-polarity protected, Short-circuit protected; Mutual Interference Prevention,Output reverse-polarity protected
IP rating	IEC60529: IP64
Housing material	PBT

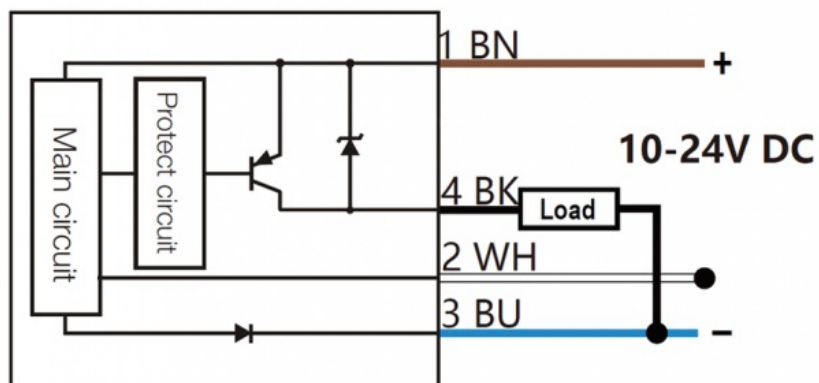
Connection Diagram

DC NPN



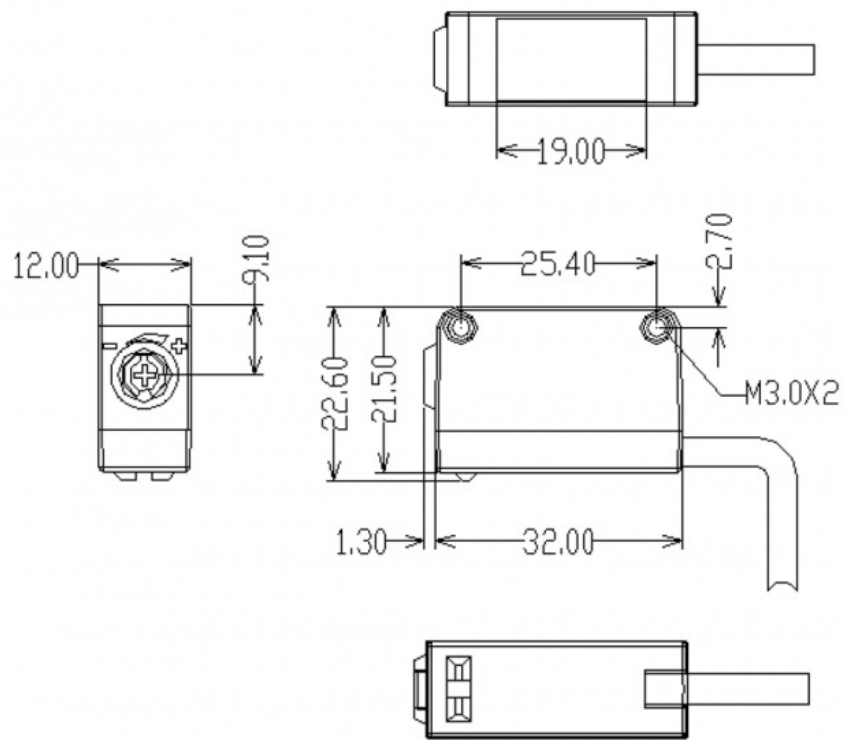
*LIGHT-ON : WH---NC
DARK-ON : WH---0V

DC PNP



*LIGHT-ON: WH---NC
DARK-ON: WH---0V

Dimensional Drawing



(Dimensions in mm)

Applications:

CMOS laser displacement sensors are used across many industries, including electronics, automotive, semiconductor, and packaging. **Surface Profile Measurement:** Measuring contours, steps, and flatness of materials like PCBs, glass, and metal sheets.

KRONZ

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



[illegible]

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.



KRONZ Kronz (guangzhou) Electronics Co., Ltd.



+8618924160375



sales02@kronz.cn



connector-industrial.com

6th Floor, B602 Building, No.10, Rong Jing 2nd Road, Yu Shan Guo Ji, Yong Ning Street, Zeng Cheng District,
Guangzhou, P.R.China