



Micro Laser Photoelectric Sensor, 0-80mm Adjustable, NPN/PNP Output, Line Laser

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong, China
- Brand Name: KRONZ
- Certification: CE
- Model Number: BQ24-DT80P
- 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: 0-80mm Adjustable Distance
- Response Time: < 1 Ms
- Type: PNP Has 1 Output
- Control Output: NPN Open-collector Output
- Power Supply: 12 To 24 VDC
- Light Source: Red 635NM, 4-element LED
- Highlight: **Micro laser photoelectric sensor with adjustable range**
, Photoelectric sensor NPN PNP output ,
Line laser photoelectric sensor 80mm



More Images



Product Description

BP18Y Photoelectric Sensor | 10m Range | PNP Output | IP67 Rated

The BQ24-DT80P Micro Laser Photoelectric Sensor delivers high precision in a compact housing. Its visible 635nm red line laser (12° fan beam) simplifies alignment and setup. With an adjustable 0-80mm sensing range and ultra-fast <1ms response, it's perfect for rapid automation tasks.

Choose your output: NPN provides both NO and NC signals simultaneously, while PNP offers a NO output. It features robust 12-24VDC power, short-circuit protection, and superior immunity to electrical noise and ambient light (up to 30,000 lux).

Ideal for object detection, counting, and positioning in electronics assembly, packaging, and robotics. Its industrial-grade construction ensures reliable performance despite vibration and wide temperature swings (-10°C to +55°C).

Feature	Speciication
Sensing Type	0 - 80mm (adjustable)
Part Number	BQ24-DT80P
Output Type	PNP signal output
Output Current	Max. 100mA @ 12-24VDC
Beam Type	12° line spot pattern





BQ24 Series

Micro-Photoelectric Sensor



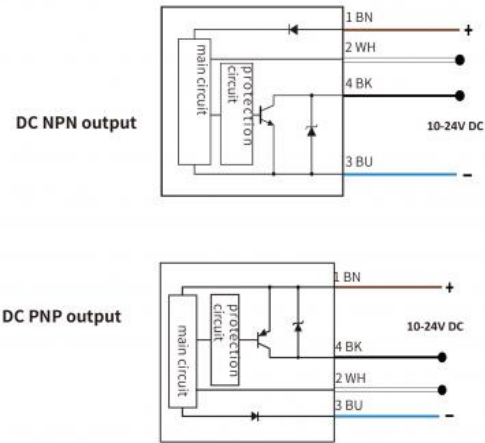
- Small size for flexible installation.
- Visible red light source for Facilitates alignment and debugging.
- Proprietary stable detection algorithm
- Fixed-distance and adjustable-distance models available for diverse application needs.

Technical Parameters

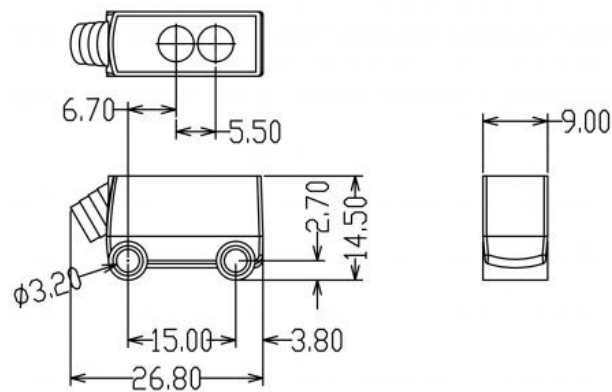
NPN	BQ24-D20N	BQ24-D30N	BQ24-D120N	BQ24-DT80N
PNP	BQ24-D20P	BQ24-D30P	BQ24-D120P	BQ24-DT80P
Detection Distance	0-20mm (Fixed distance)	0-30mm (Fixed distance)	0-120mm (Adjustable distance)	0-80mm (Adjustable distance) Line Laser Spot,12°
Response Time	< 1ms			
Type	NPN has 2 output, PNP has 1 output			
Control Output	NPN/PNP open-collector output 24V, Max. 100mA (only for main unit) Residual voltage: 1V			
Output Option	NPN: Black wire - Normally Open (NO) output, White wire - Normally Closed (NC) output PNP: Black wire - Normally Open (NO) output			
Output Function	With short-circuit protection and auto anti-interference			
Power	12 to 24VDC±10%, floating ratio(P-P):Max.10% Class 2			
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	-10to+55°C (non- freezing)			
Vibration Resistance	10 to 55Hz, double amplitude: 1.5mm, X,Y,Z axis are 2 hours respectively			
Connection	With flying leads, cable connection			



Circuit diagram



Dimension



Photoelectric Sensors



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