



NEW!

Economy type

Appearance

Principle		Diffuse reflection		
Center of sensing distance		30mm	100mm	200mm
Sensing distance		25~35mm	65~135mm	120~280mm
Repeat accuracy		10 μ m	70 μ m	200 μ m
Light source	Medium, wavelength	Red semiconductor laser, wavelength: 655nm		
	Max. output power	1mW		
	Laser class	Class2		
Standard		EMC		
Temperature drift		± 0.03%/°C F.S.		
Spot size		≈ Φ0.05mm	≈ Φ0.15mm	≈ Φ0.3mm
Linearity		± 0.1% F.S.		± 0.2% F.S.
Supply voltage		12~24V DC± 10%		
Current consumption		< 60 mA (24V DC), < 100mA (12V DC)		
Response time		1.5ms/5ms/50ms switchable		
Switch Output	NPN	NPN open—collector transistor, max. inflow current: 50mA; applied voltage: < 30V DC (between control output—0V), residual voltage: < 1.5V (inflow current < 50mA)		
	PNP	PNP open—collector transistor, max. source current: 50mA; applied voltage: < 30V DC (between control output and +V); residual voltage: < 1.5V (outflow current < 50mA)		
Analog output	Voltage	Output range: 0V ~ 5V (when alarm: +5.2V), output impedance: 100 Ω		
	Current	Output range: 4mA ~ 20mA (when alarm: 0mA), load: less than 300 Ω		
External input	NPN	Input conditions Invalid: +8V ~ + V DC or open, valid: 0V ~ + 1.2V DC; input impedance: about 10k Ω		
	PNP	Input conditions Invalid: 0V ~ + 0.6V DC or open, valid: + 4V ~ + V DC; input impedance: about 10k Ω		
Ambient performance	Protection Degree	IP66		
	Ambient Temperature	-10℃~+45℃, No freezing		
	Ambient humidity	35%~85% RH, No condensation		
	Ambient light	Incandescent lamp: Illumination below 3000Lux on the light—receiving surface		
Cable		5—core 2M cable		
Material		Aluminum, acrylic		
Model	NPN	MLD23-30N	MLD23-100N	MLD23-200N
	PNP	MLD23-30P	MLD23-100P	MLD23-200P

Fiber Optic
Slot Sensors
Photoelectric
Laser
Proximity
Displacement
Magnetic
Contact
Area
Ultrasonic
Vibration
Temperature
Cables
Tester

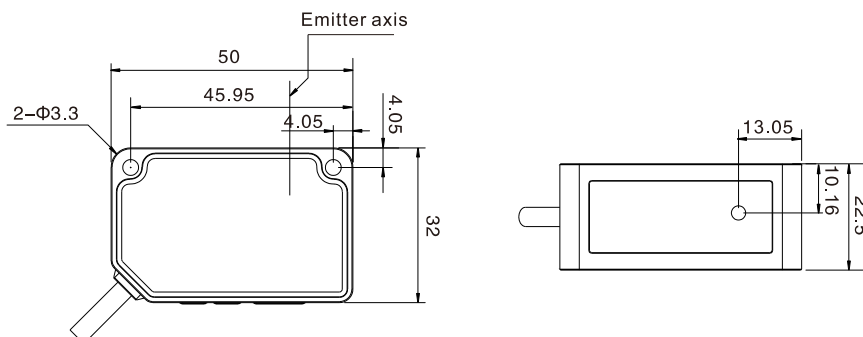
Guidance

Displacement

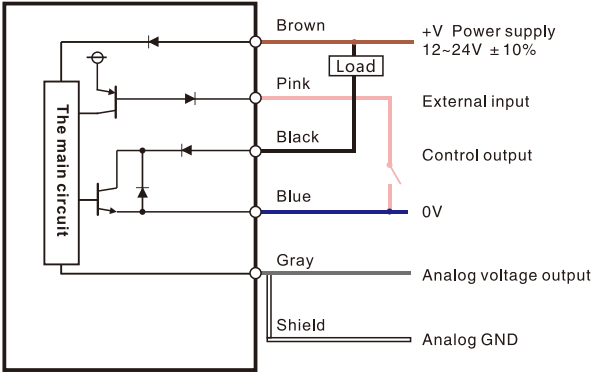
TOF measurement
Mini digital display
Built-in controller
Linear measurement
Magnetic displacement
LIDAR Scanner
Color confocal

Dimensions

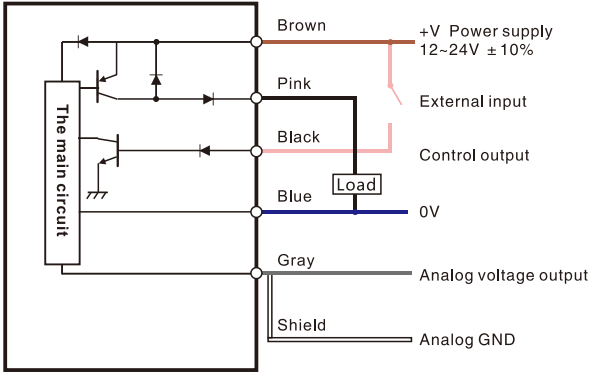
Unit: mm



NPN



PNP



Fiber Optic
Slot Sensors
Photoelectric
Laser
Proximity
Displacement
Magnetic
Contact
Area
Ultrasonic
Vibration
Temperature
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