



Basic Features	Working Principle	TOF Principle
	Housing Style	Square
	Optical Working Principle	TOF (Time of Flight)
	Detection Range	0.05~2m
	Setting Distance	0.10~2m
	Spot Size	<5mm@2m
	Detected Object	≥φ5mm opaque object
	Light Source	Laser Diode 650nm, Class 2
	Indicator Light	Output Indicator Light: Orange Power Indicator Light: Green
Electrical data	Sensitivity Adjustment	Button setting
	Switching Mode	NC/NO switchable
	Output Mode	NPN/PNP collector open
	Response Time	1ms
	Repeatability	< 10mm
	Switching Frequency	< 20%
	Operating Voltage	9~30V DC
	Current Consumption	<30mA@24V
	Residual Voltage	<1V(Load current < 100mA)
	Load Current	≤100mA
	Insulation Resistance	≥50MΩ(500VDC)
	Withstand Voltage	1000VAC (50/60Hz)
	Protection Circuit	Reverse Polarity Protection/short Circuit Protection
	Environmental conditions	Operating Temperature
Operating Humidity		35%~85%RH(No Condensation)
Ambient Light		Incandescent Lamp ≤ 3000 Lux; Sunlight ≤ 10000 Lux
Vibration Resistance		10~55Hz, amplitude 1.5mm, 2 hours each in X/Y/Z axes
Protection Rating		IP54
Mechanical data	Maximum Tightening Torque	0.5N·m
	Connection Method	Φ4.0*2M/3 Black cable
	Dimensions	34.5*26.2*11mm
	Material	Housing: PC+ABS; Lens: PMMA
	Weight	0.05kg
Model	NPN	ELT-M2BN
	PNP	ELT-M2BP

Fiber Optic

Slot Sensors

Photoelectric

Laser

Proximity

Displacement

Magnetic

Contact

Area

Ultrasonic

AI Image

Code Readers

Vibration

Temperature

RFID

Safety door lock

Pressure Switch

Communication

Accessories

Guidance

Photoelectric

Cylindrical

IP69K high protection type

Square

Flat type

Thin type

BGS

Color/Mark Detection

TOF type

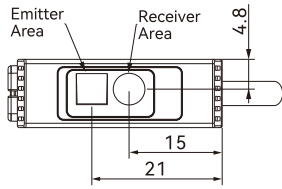
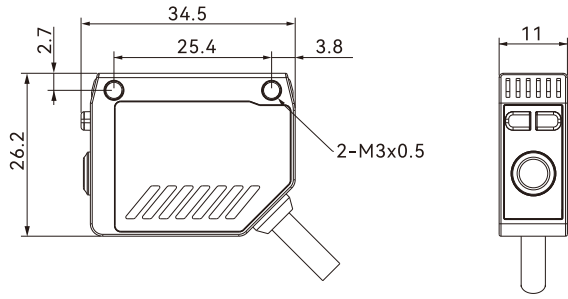
Reflectors

Reflectors

TOF

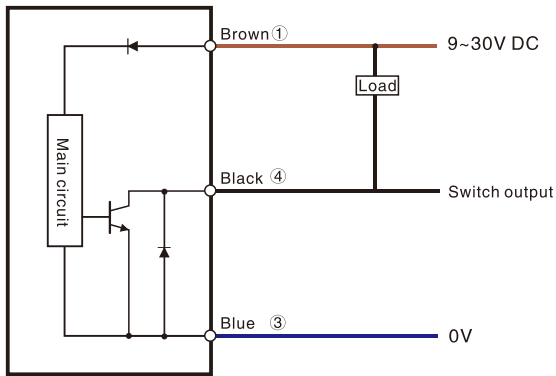
Dimensions

Unit: mm

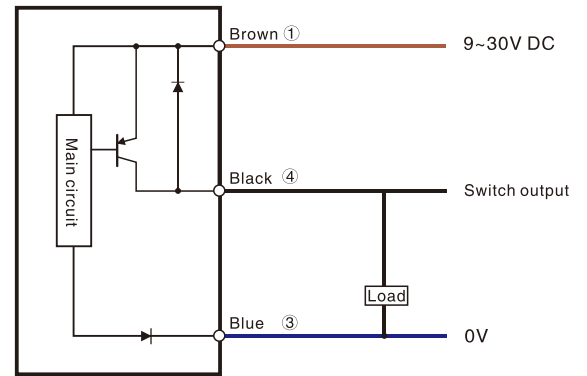


Circuit diagram

NPN Output



PNP Output



Guidance

Photoelectric

Cylindrical

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