ELS24B342M84-M
Label Detection Sensor
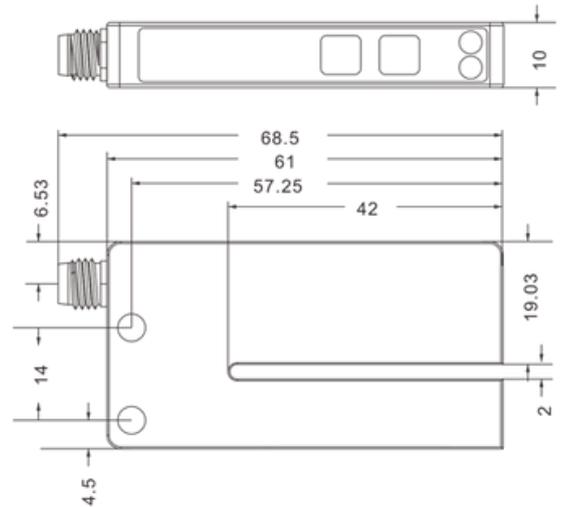

Working principle	Photoelectric
Housing style	Shape U
Optical working principle	Through-beam
Light Source	Infrared LED, 940nm
Slot Width	2mm
Slot depth	42mm
Detected objects	2mm (minimum label gap)

Technical data

Indicator	Output function: Red LED, operational status: Green LED
Sensing range adjustment	Available
Switching output	L.on (light-on action)/D.on (dark-on action) switchable
Output Mode	PNP collector open
Response Time	0.02ms
Switching frequency	100kHz
Repeat accuracy	±0.02mm
Hysteresis	≤0.02mm
Operating Voltage	12~24V DC±10%
Power Consumption	≤40mA
Residual Voltage	≤2V
Insulation Resistance	≥50MΩ(500VDC)
Load Current	≤100mA(24VDC)
Protecti On Circuit	Reversepolarity protection/short-circuit protection
Operating temperature	-10℃~+55℃
Storage Temperature	-30℃~+70℃
Operating humidity	35%RH~85%RH
Vibration Resistance	10~55Hz, amplitude 1.5mm, 2 hours each in X/Y/Z axes
Protection rating	IP65
Withstand Voltage	1000VAC (50/60Hz)
Connection Method	M8/4-pin plug
Dimensions	32.5x10.0x61.0mm
Material	Aluminum
Weight	0.035kg
Environmental illumination	Sunlight ≤10000 Lux

Connecting Diagram (PNP-Output)

PNP Output
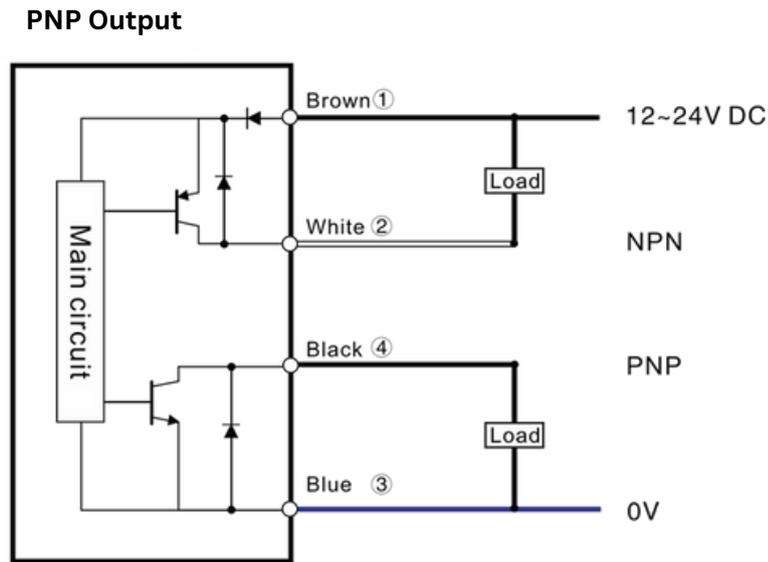
1. Please connect the sensor as per above wiring diagram .
2. If the wires are not connected as per connection diagram shown above, the sensor may get defective or not work

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