

Inductive Limit Proximity Switch Sensor DC 5-36V LJ12A3-4-Z/BX



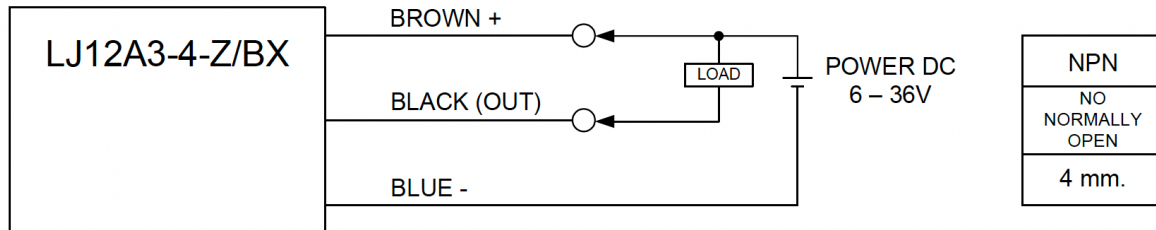
Features:

The LJ12A3-4-Z/BX Inductive Proximity Sensor utilizes electromagnetic induction to detect metallic objects within a 4mm range without physical contact. Its NPN Normally Open configuration provides reliable signal output for control systems, making it ideal for automation, CNC, and industrial limit applications. The sensor's body, crafted from nickel-plated brass, ensures long-term durability and corrosion resistance, while its ABS sensing face delivers high wear tolerance. The 12mm threaded cylindrical design allows for easy installation and integration. Operating from 5V to 36V DC, it supports a 300mA sinking output current. The internal oscillator generates a high-frequency field that detects variations caused by nearby metal, ensuring accurate, repeatable detection in a variety of industrial settings.

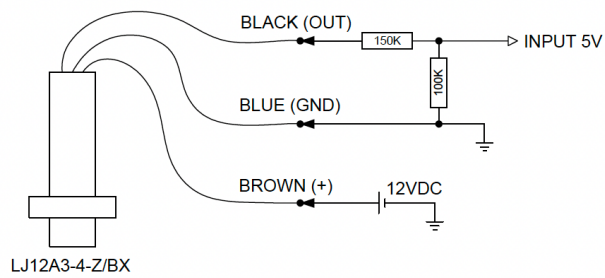
Specifications	
Model	LJ12A3-4-Z/BX
Operating Voltage Range	6V to 36V DC
Output Type	NPN, Normally Open (3-wire)
Output Current	Max 300mA (sink)
Detection Distance	4mm
Standard Detection Object	Low carbon steel (12x12x1mm)
Response Frequency	500Hz (DC type)
Detection Target	Metal (iron, copper, aluminum, etc.)
Body Size	12mm × 64mm
Housing Material	Nickel-plated brass
Sensing Face Material	ABS plastic
Cable Length	100cm
Operating Temperature Range	-25°C to +70°C
Mounting Type	Threaded cylindrical (M12)
Usage	Non-contact metal detection for automation, CNC, and limit sensing

Pinouts:

Pin Name	Type	Description
Brown	Power	+V supply (6–36V DC)
Blue	Ground	Negative power connection
Black	Signal	Output signal (NPN Normally Open)



● 5V TTL SENSOR 12VDC



Product Pictures:

