


















Standard Cylindrical Hall Sensor

NJK-5002C

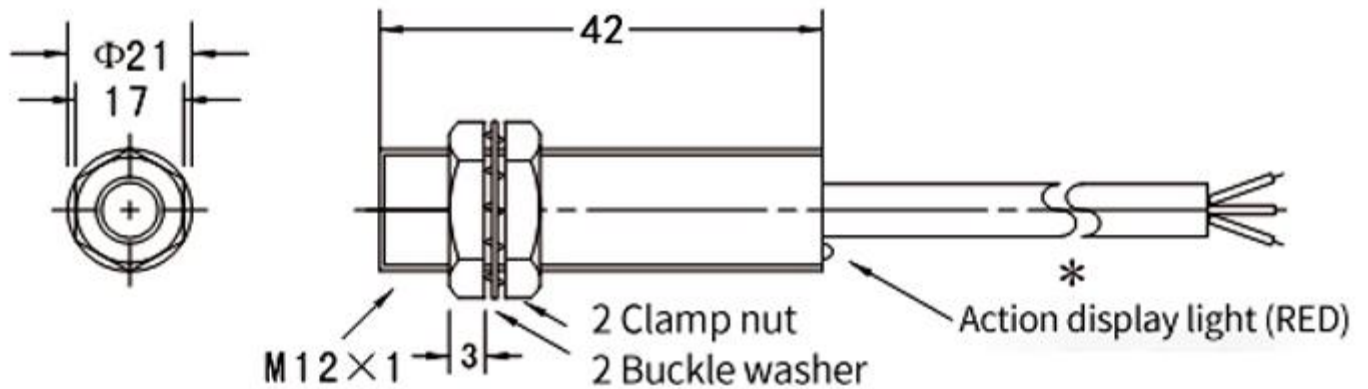
- High-frequency Hall Sensor
- Size:M12 Shielded
- Sensing distance:10 mm
- Control output: NPN NO
- Power Supply voltage:12 to 24 VDC
- Connection method:Pre-wired (1.2 m)



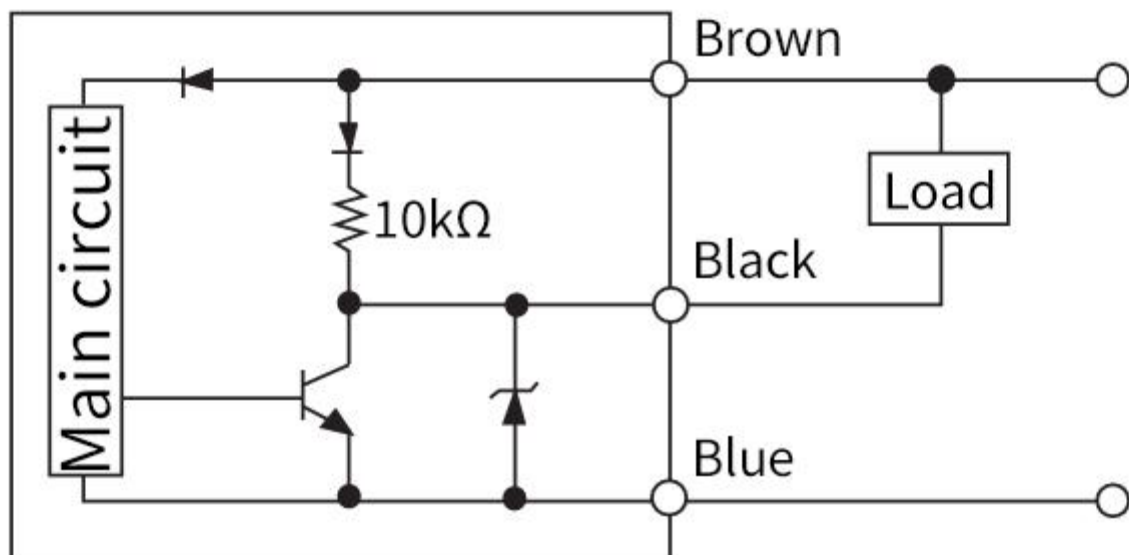
Model	Sensing method	Appearance	Connection method	Sensing distance	Output method
NJK-5002C	Hall		Pre-wired (1.2 m)	10mm	NPN NO

	Normally Open	Normally Closed
Sensing target	Presence  Nothing 	Presence  Nothing 
Load (Brown-Black)	Operation  Return 	Operation  Return 
Output voltage (Black-Blue)	H  L 	H  L 
Operation indicator (RED LED)	ON  OFF 	ON  OFF 

Dimensions in mm



Connection



Molde	NJK-5002C
Dimension	M12
Installation mode	Shielded
Output mode	NPN NO
Set distance	0 to 0.8 mm
Sensing distance	10 mm
Lag distance	10% max. of sensing distance

Detectable object	Magnetic metal (detection distance reduced when non-magnetic metal)	
Standard sensing object	Φ12×2 mm magnet	
Response frequency	1 kHz	
Power supply voltage	DC 12-24 V (6-36 V) pulsation (P-P) less than 10%	
Withstand voltage	AC1000V 50/60Hz 1min between charging part and shell	
Influence of voltage	The influence of voltage is within ± 15% of rated power supply voltage range and ± 10% detection distance of rated power supply voltage value	
Current consumption	13 mA max.	
Control output	300 mA max	
Loop protection	reverse connection protection, surge absorption, load short circuit protection;	
Ambient temperature and humidity	During operation and storage: - 30 to + 65 °C respectively	
	(no freezing, no condensation), 35 to 95% RH during operation and storage	
Temperature influence	The temperature range is - 30 to + 65 °C, + 23 °C, ± 15% detection distance	
	The temperature range is - 25 to + 60 °C, + 23 °C, ± 10% detection distance	
Insulation resistance	50 MΩ min. (at 500 VDC) between current-carrying parts and case	
Weight (packed state/ only sensor)	Approx. 55 g	
Material	Case	Nickel-plated brass
	Lens and Display	ABS