

# Inductive Proximity Sensor 25mm Square Plastic Housing

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**RoHS  
Compliant**



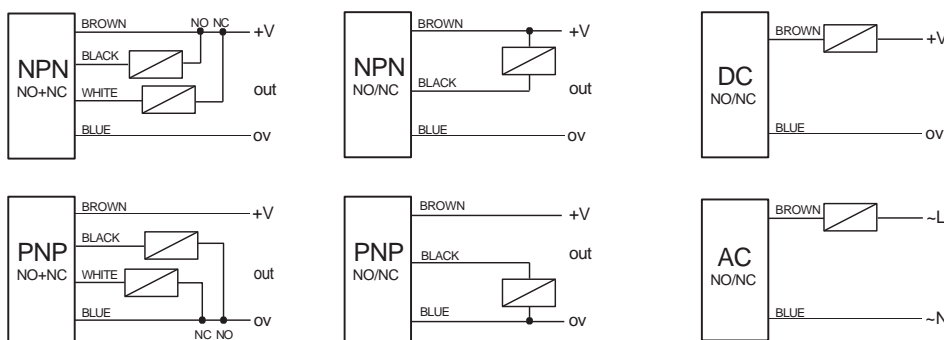
## Features

- Inductive sensor, style: squared shape, 25mm x 25mm x 39mm
- Mounting distance: 8mm shielded
- With LED operation indicate lamp, easily identifiable.
- Standard sensing object: ferrous metals
- Protection rate: IP67, water resistant
- Over-current and short circuit protection; against polarity reversal.
- Widely applied in measuring, Counting, Rpm measuring in mechanism, chemical, paper manufacture light industry, etc.

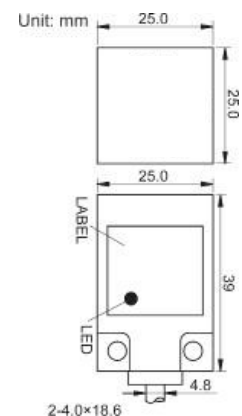
## Specifications

Mounting Distance	: 8mm shielded
Sensing Distance	: 7.2mm shielded
Power Supply	: 10V DC to 30V DC / 90V AC to 250V AC
Frequency	: 80Hz / 40Hz / 20Hz (DC 3/2 wires, AC 2 wires)
Current Output (DC/AC)	: 200mA / 300mA
Ambient Temperature	: -15°C to 60°C
Against Polarity Reversal	: Yes
Short Circuit Protected	: Yes
IP Rating	: IP67

## Electrical Connection



## Picture of Product

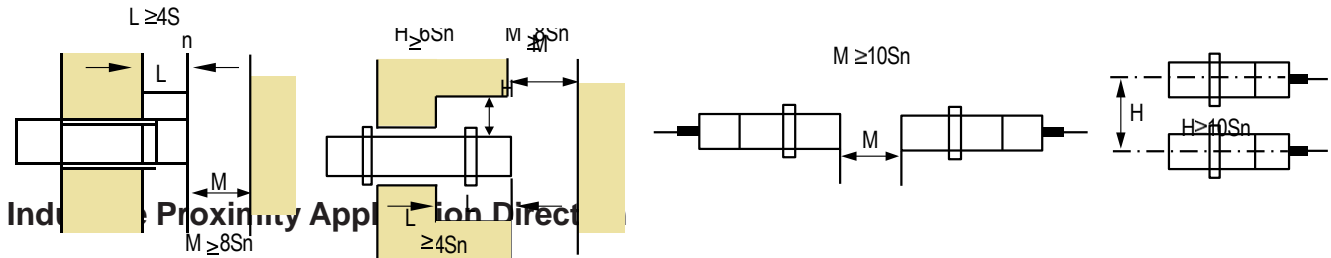


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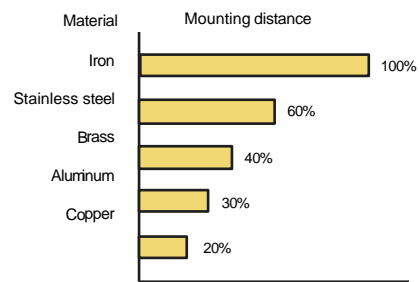
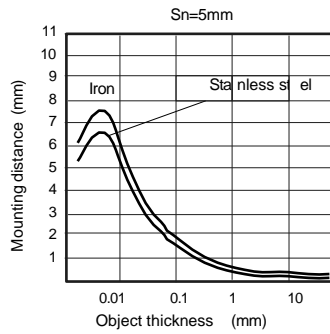
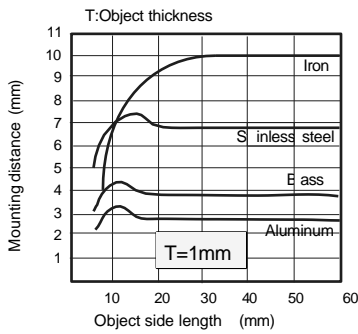
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## Installation

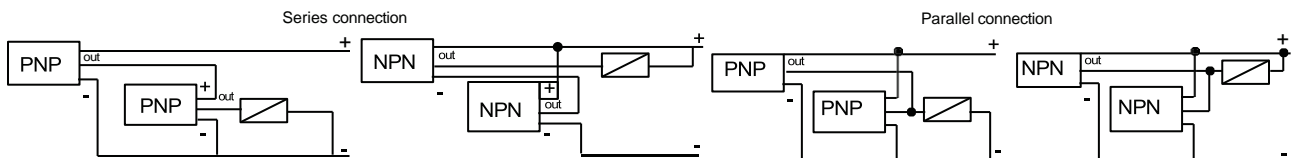
If used in an area surrounded by metal, Install the proximity Sensor as follows. (Sn = Sensing distance)



- A. Set mounting distance equal to 80% of Sn.
- B. Set mounting distance roughly equal to 50% of Sn when sensor is used in high frequency or high speed circumstances.
- C. Mounting distance will change depending on material (iron, stainless steel, brass, copper and aluminium).



## D. Ips series connection and parallel connection.



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## Part Number Table

Part Number	Output Type	Mounting Distance	Current Output	Power Supply	Wire Connector
MP002239	NPN NO	8mm Shielded	≤ 200mA/300mA	24V DC / 220V AC	3 Wire
MP002240	NPN NC				3 Wire
MP002241	NPN NO + NC				4 Wire
MP002242	PNP NO				3 Wire
MP002243	PNP NC				3 Wire
MP002244	PNP NO + NC				4 Wire
MP002245	DC NO		≤ 200mA	24V DC	2 Wire
MP002246	DC NC				
MP002247	AC NO			220V AC	
MP002248	AC NC				

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