

# Inductive Proximity Sensor - 40mm Square Plastic Housing **multicomp**PRO

**RoHS  
Compliant**



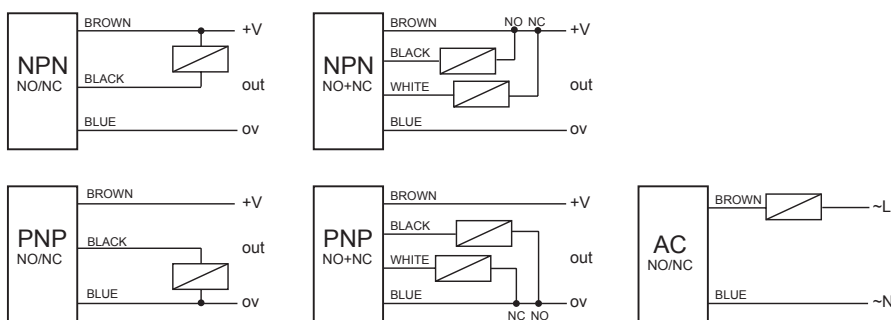
## Features

- Inductive sensor, style: squared shape, 40mm × 40mm × 120mm
- Mounting distance: 25mm 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

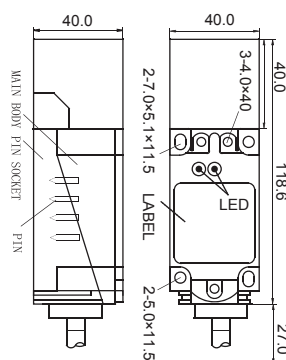
Mounting Distance	: 25mm shielded
Sensing Distance	: 22.5mm shielded
Power Supply	: 10V DC to 30V DC / 90V AC to 250V AC
Frequency	: 150Hz/75Hz (DC 3/2 wires) / 20Hz (AC 2 wires)
Current Output (DC/AC)	: 200mA / 300mA
Ambient Temperature	: -20°C to 70°C
Against Polarity Reversal	: Yes
Short Circuit Protected	: 3 wires: Yes / 2 wires: No
IP Rating	: IP67

## Electrical Connection



## Picture of Product

**Flush (shielded)**  
Unit: mm

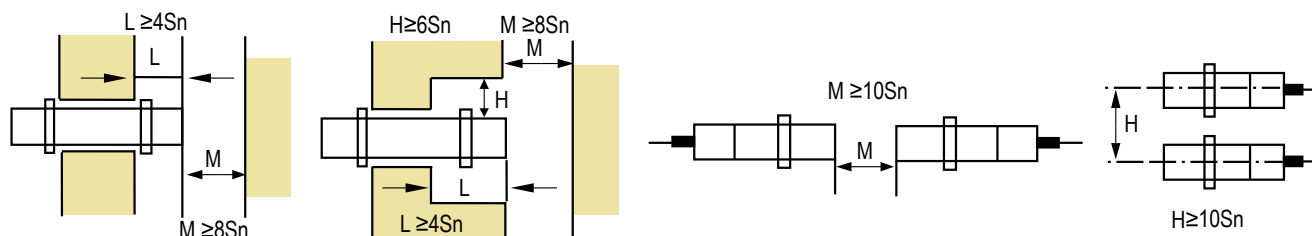


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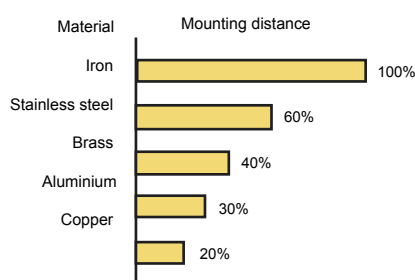
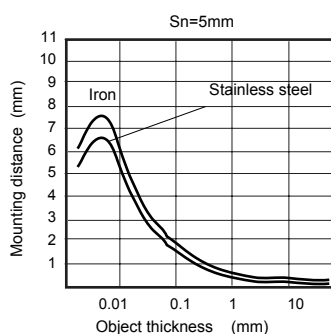
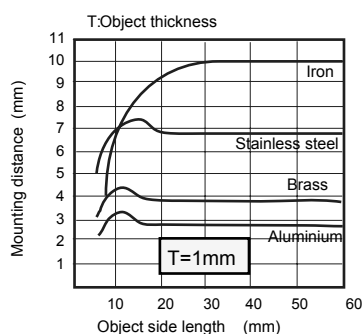
## Installation

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

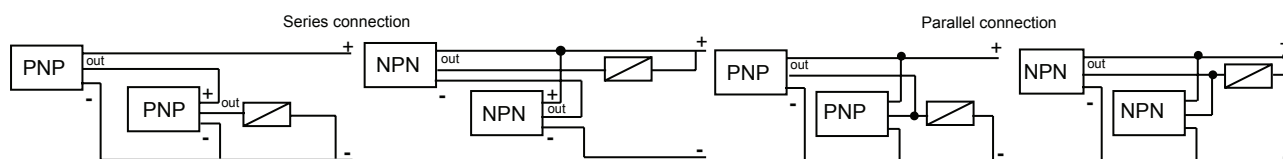


## Inductive Proximity Application Direction

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



## D. Inductive Proximity series connection and parallel connection


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**Part Number Table**

Part Number	Output Type	Mounting Distance	Current Output	Power Supply	Wire Connector
MP002259	NPN NO	25mm Shielded	200mA	10V DC to 30V DC	3 Wire
MP002260	NPN NC				4 Wire
MP002261	NPN NO + NC				4 Wire
MP002262	PNP NO				3 Wire
MP002263	PNP NC				4 Wire
MP002264	PNP NO + NC				4 Wire
MP002265	AC NO		300mA	90V AC to 250V AC	2 Wire
MP002266	AC NC				

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