

# Inductive Proximity Sensor - 17mm Square Plastic Housing **multicomp** PRO

**RoHS  
Compliant**



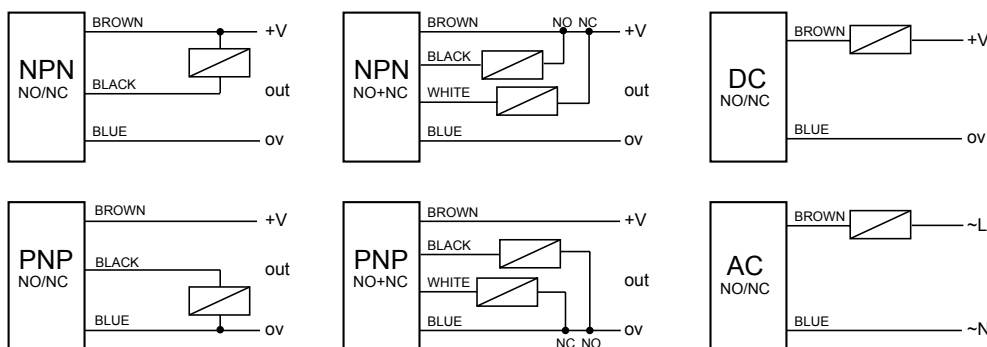
## Features

- Inductive sensor, style: squared shape, 17mm × 17mm × 28mm
- Mounting distance: 5mm 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.

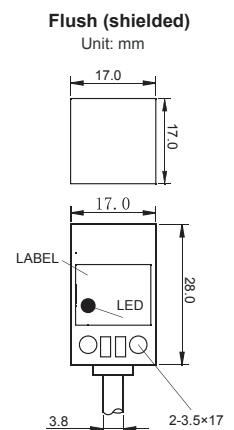
## Specifications

Mounting Distance	: 5mm shielded
Sensing Distance	: 4.5mm shielded
Power Supply	: 10V DC to 30V DC/ 90V AC to 250V AC
Frequency	: 500Hz / 250Hz (DC 3/2 wires) / 25Hz (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

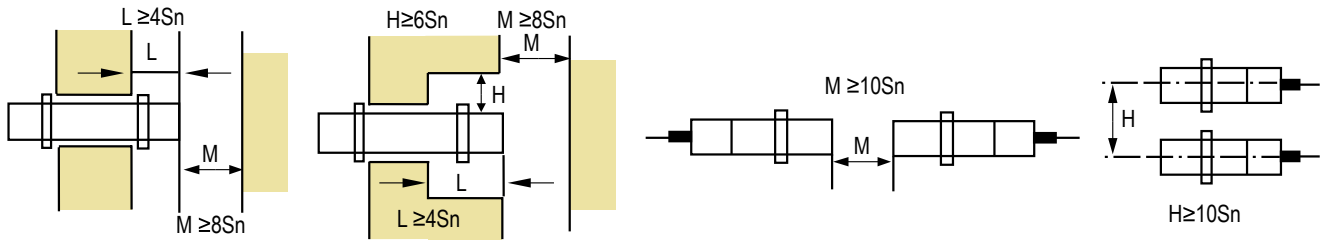


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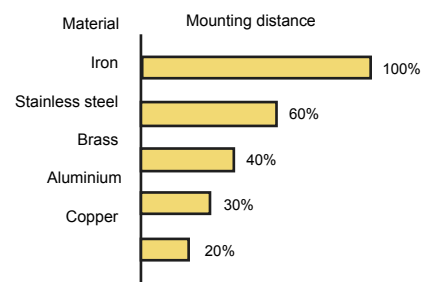
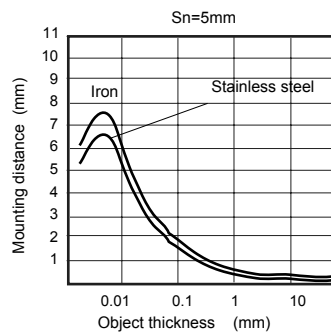
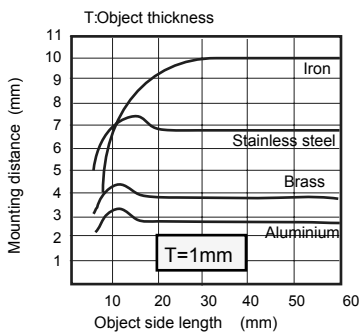
## Installation

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

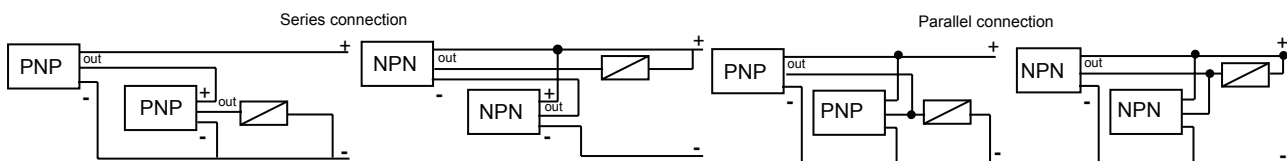


## Inductive Proximity Application Direction

- Set mounting distance equal to 80% of Sn.
- Set mounting distance roughly equal to 50% of Sn 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
MP002207	NPN NO	5mm Shielded	≤ 200mA	10V DC to 30V DC	3 Wire
MP002208	NPN NC				4 Wire
MP002209	NPN NO + NC				3 Wire
MP002210	PNP NO				4 Wire
MP002211	PNP NC				2 Wire
MP002212	PNP NO + NC				
MP002213	DC NO				
MP002214	DC NC				
MP002215	AC NO		≤ 300mA	90V AC to 250V AC	
MP002216	AC NC				

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