

Inductive Proximity Sensor - 30mm Square Plastic Housing **multicomp**PRO

**RoHS
Compliant**



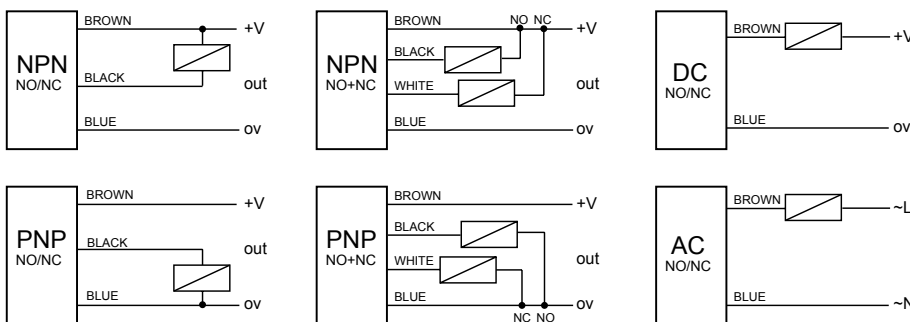
Features

- Inductive sensor, style: squared shape, 30mm × 30mm × 53mm
- Mounting distance: 15mm 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.

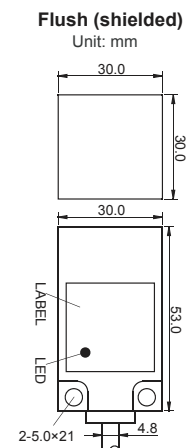
Specifications

| | |
|---------------------------|--|
| Mounting Distance | : 15mm shielded |
| Sensing Distance | : 13.5mm shielded |
| Power Supply | : 10V DC to 30V DC/ 90V AC to 250V AC |
| Frequency | : 300Hz/150Hz (DC 3/2 wires) / 25Hz (AC 2 wires) |
| Current Output (DC/AC) | : 200mA / 300mA |
| Ambient Temperature | : -15°C to 70°C |
| Against Polarity Reversal | : Yes |
| Short Circuit Protected | : 3 wires: Yes / 2 wires: No |
| IP Rating | : IP67 |

Electrical Connection



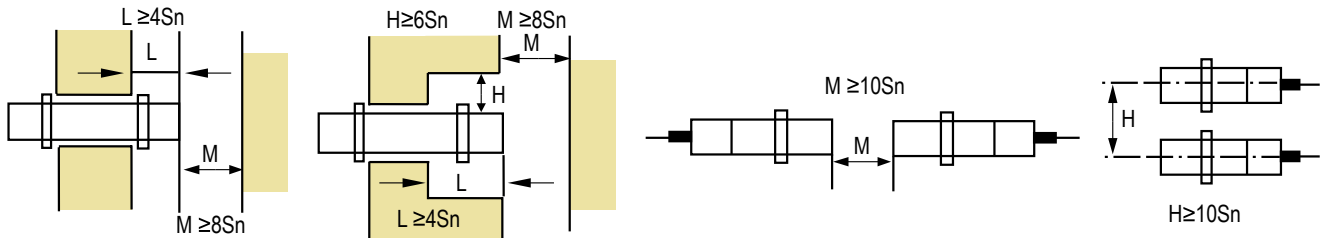
Picture of Product



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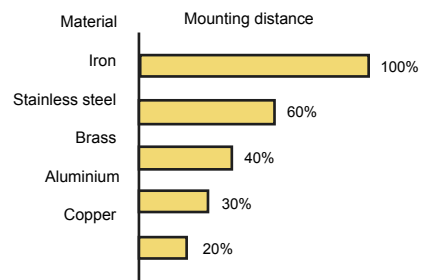
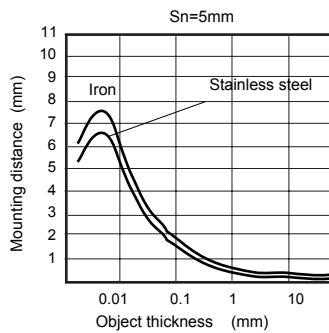
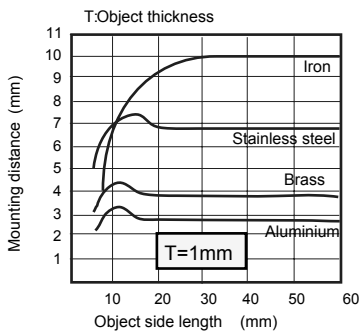
Installation

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

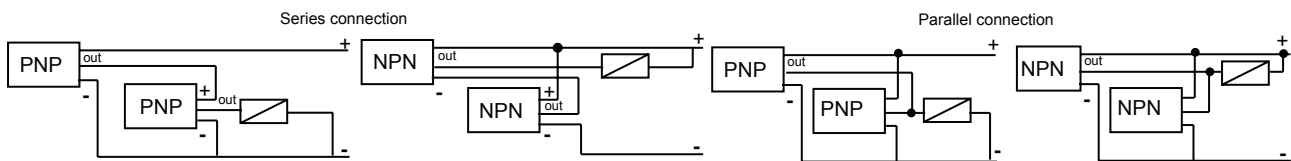


Inductive Proximity Application Direction

- A. Set mounting distance equal to 80% of Sn.
- B. Set mounting distance roughly equal to 50% of Sn when sensor is used measuring mounting frequency or operating in 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 |
|-------------|-------------|-------------------|----------------|------------------|-------------------|
| MP002249 | NPN NO | 15mm Shielded | 200mA | 10V DC to 30V DC | 3 Wire |
| MP002250 | NPN NC | | | | 3 Wire |
| MP002251 | NPN NO + NC | | | | 4 Wire |
| MP002252 | PNP NO | | | | 3 Wire |
| MP002253 | PNP NC | | | | 3 Wire |
| MP002254 | PNP NO + NC | | | | 4 Wire |
| MP002255 | DC NO | | | | 2 Wire |
| MP002256 | DC NC | | | | |
| MP002257 | AC NO | | | | |
| MP002258 | AC NC | | | 300mA | 90V AC to 250V AC |

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