

Inductive Proximity Sensor - 25mm Square Plastic Housing **multicomp**PRO

**RoHS
Compliant**



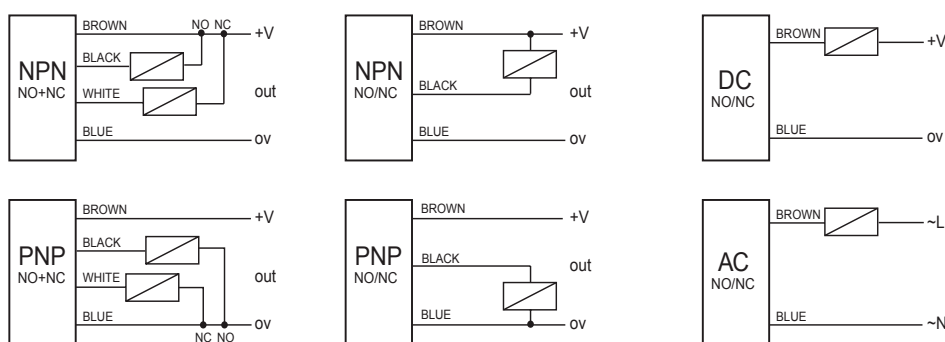
Features

- Inductive sensor, style: squared shape, 25mm × 25mm × 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

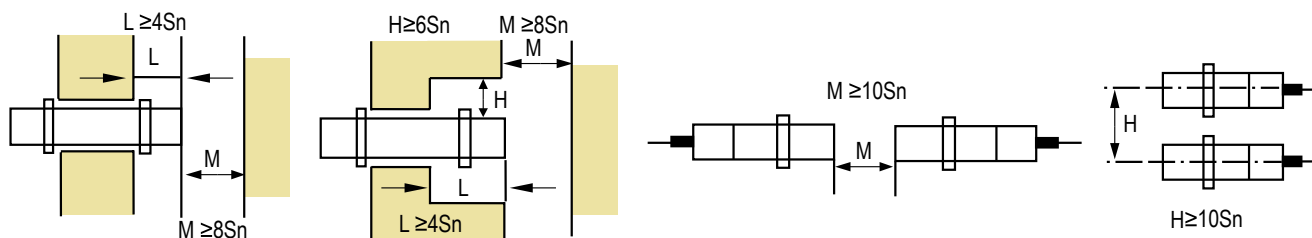


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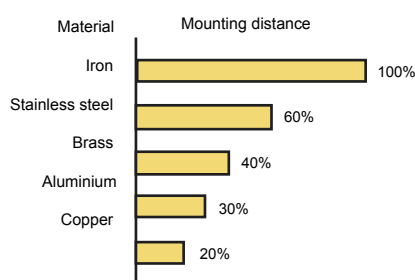
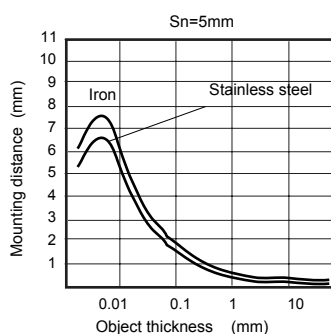
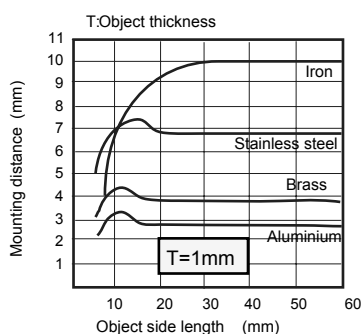
Installation

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

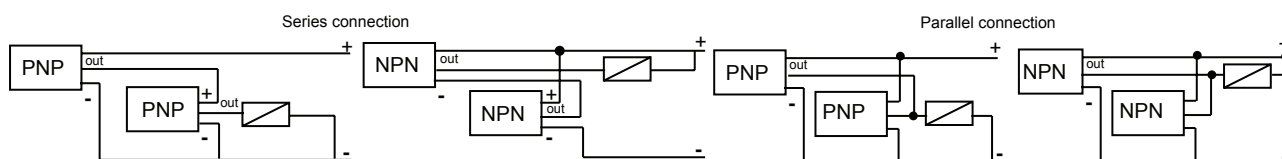


Inductive Proximity Application Direction

- Set mounting distance equal to 80% of S_n .
- Set mounting distance roughly equal to 50% of S_n when sensor is used in high frequency or high speed circumstances.
- 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	PNP NO	8mm Shielded	$\leq 200\text{mA}/300\text{mA}$	24V DC / 220V AC	3 Wire
MP002240	PNP NC				3 Wire
MP002241	PNP NO + NC				4 Wire
MP002242	NPN NO				3 Wire
MP002243	NPN NC				3 Wire
MP002244	NPN NO + NC				4 Wire
MP002245	DC NO		$\leq 200\text{mA}$	24V DC	2 Wire
MP002246	DC NC			220V AC	
MP002247	AC NO				
MP002248	AC NC				

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