## **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

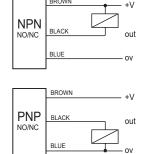
Power Supply : 10V DC to 30V DC / 90V AC to 250V AC Frequency : 80Hz / 40Hz / 20Hz (DC 3/2 wires, AC 2 wires)

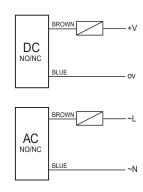
Current Output (DC/AC) : 200mA / 300mA Ambient Temperature : -15°C to 60°C

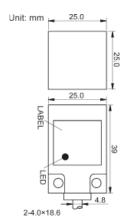
Against Polarity Reversal : Yes **Short Circuit Protected** : Yes IP Rating : IP67

#### **Electrical Connection**

## **NPN** out **PNP** NO+NC out







#### **Picture of Product**

Newark.com/multicomp-pro Farnell.com/multicomp-pro Element14.com/multicomp-pro

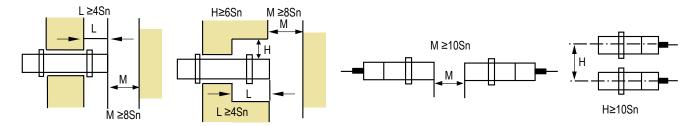


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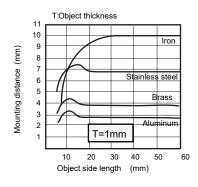
#### Installation

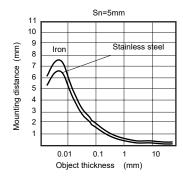
If used in an area surrounded by metal, Install the proximity Sensor as follows . (Sn = Sensing distance)

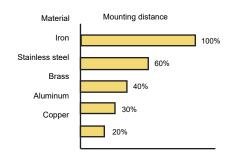


#### **Inductive Proximity Application Direction**

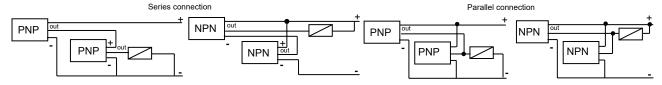
- A. Set mounting distance equal to 80% of Sn.
- B. Set mounting distance roughly equal to 50% of Sn when sensor is used in high frequency or high speed circumstances.
- C. Mounting distance will change depending on material (iron, stainless steel, brass, copper and aluminium).







D. Ips series connection and parallel connection.



# Inductive Proximity Sensor 25mm Square Plastic Housing



#### **Part Number Table**

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