

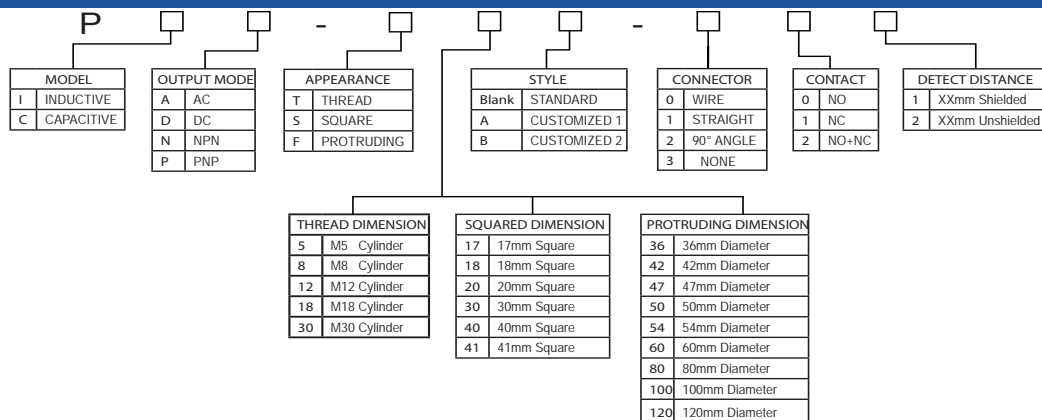
## S25 - Square Plastic Housing - Inductive Sensor



### Features:

- Inductive sensor, style: squared shape, Dim: 25x25x39mm
- DC 2-wire (10-30V DC), DC 3-wire (10-30V DC), AC - 2 wire (90-250V AC)
- 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.

### ORDERING CODE INFORMATION



### ORDERING CODES

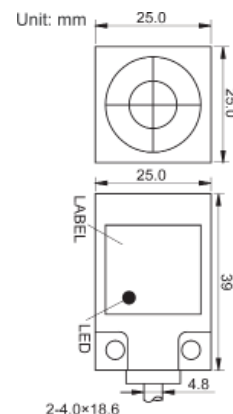
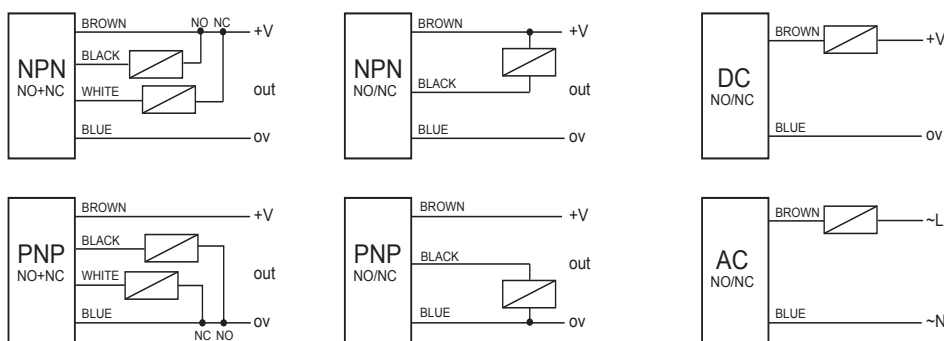
Model and Type	Output Type	Mounting Distance	Current Output	Power Supply	Connector Model
PIP-S25-001	PNP NO	8mm SHIELDED	≤ 200mA/300mA	24V DC / 220V AC	3 WIRE
PIP-S25-011	PNP NC	8mm SHIELDED	≤ 200mA/300mA	24V DC / 220V AC	3 WIRE
PIP-S25-021	PNP NO + NC	8mm SHIELDED	≤ 200mA/300mA	24V DC / 220V AC	4 WIRE
PIN-S25-001	NPN NO	8mm SHIELDED	≤ 200mA/300mA	24V DC / 220V AC	3 WIRE
PIN-S25-011	NPN NC	8mmSHIELDED	≤ 200mA/300mA	24V DC / 220V AC	3 WIRE
PIN-S25-021	NPN NO + NC	8mmSHIELDED	≤ 200mA/300mA	24V DC / 220V AC	4 WIRE
PID-S25-001	DC NO	8mmSHIELDED	≤ 200mA	24V DC	2WIRE
PID-S25-011	DC NC	8mmSHIELDED	≤ 200mA	24V DC	2 WIRE
PIA-S25-001	AC NO	8mmSHIELDED	≤ 200mA	220V AC	2 WIRE
PIA-S25-011	AC NC	8mmSHIELDED	≤ 200mA	220V AC	2 WIRE

### TECHNICAL SPECIFICATIONS

Property Project	Specific Parameter
Mounting Distance	8mm shielded
Sensing Distance	0...7.2mm shielded
Power Supply	DC 10-30V dc, 90-250V ac
Frequency	80Hz / 40Hz / 20Hz (DC 3/2 wires, AC 2 wires)
Current Output (DC/AC)	200mA/300mA
Ambient Temperature	-15°C....60°C
Against Polarity Reversal	YES
Short Circuit Protected	YES
IP Rating	IP67

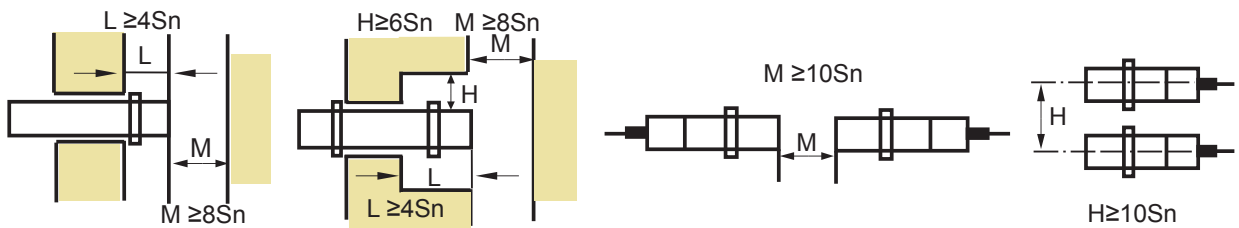
### ELECTRICAL CONNECTION

### DIMENSIONS OF PRODUCT



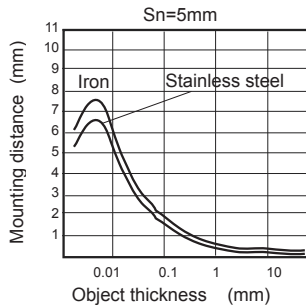
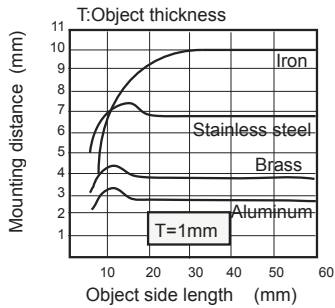
# INSTALLATION

If used in an area surrounded by metal install the proximity sensor as follows . ( $S_n$  = sensing distance)



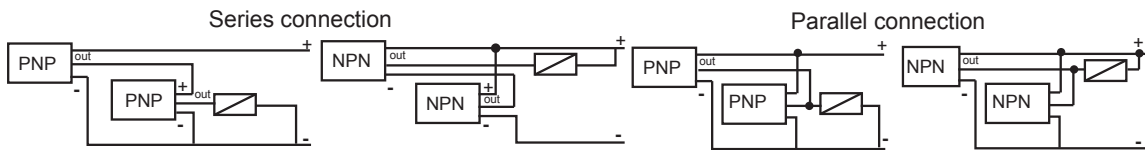
## INDUCTIVE PROXIMITY MATERIAL CORRECTION FACTOR

- Set mounting distance roughly 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 aluminum).



Material	Mounting distance
Iron	100%
Stainless steel	60%
Brass	40%
Aluminum	30%
Copper	20%

d. Ips series connection and parallel connection.



REV. NO.

REVISION NOTE

DATE

SIGNATURE

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Datasheet

Dec 2011

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As part of the company policy of continued product improvement, specifications may change without notice. Our sales office will be pleased to help you with the latest information on this product range and the details of our full design and manufacturing service. All products are supplied to our standard conditions of sale unless otherwise agreed in writing.

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