



S18 - Square Plastic Housing - Inductive Sensor



Features:

- Inductive sensor, style: squared shape, Dim: 18x18x31mm
- DC 2-wire (10-30V DC), DC 3-wire (10-30V DC), *DC 2-wire (5V DC) also available
- Mounting distance: 5mm shielded
- With LED operation indicate lamp, easily identifiable
- Standard sensing object: iferrous 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.

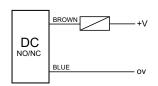
ORDERING CODE INFORMATION MODEL **OUTPUT MODE** SQUARED DIMENSION STYLE CONNECTOR CONTACT DETECT DISTANCE INDUCTIVE AC 17 17mm Square Blank STANDARD 0 WIRE **0** NO XXmm Shielded CAPACITIVE **CUSTOMIZED 1** NC D DC 18mm Square 1 STRAIGHT 2 XXmm Unshielded В **CUSTOMIZED 2** 90° ANGLE NO+NC N NPN 20 20mm Square 2 2 PNP 3 SOCKET 30 30mm Square 40 40mm Square 41mm Square

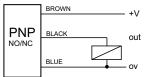
ORDERING CODES					
Model and Type	Output Type	Mounting Distance	Current Output	Power Supply	Connector Model
PIN-S18-001	NPN NO	5mm SHIELDED	≤ 200mA	DC 10-30V	3 WIRE
PIN-S18-011	NPN NC	5mm SHIELDED	≤ 200mA	DC 10-30V	3 WIRE
PIP-S18-001	PNP NO	5mm SHIELDED	≤ 200mA	DC 10-30V	3 WIRE
PIP-S18-011	PNP NC	5mm SHIELDED	≤ 200mA	DC 10-30V	3 WIRE
PID-S18-001	DC NO	5mm SHIELDED	≤ 200mA	DC 10-30V	2 WIRE
PID-S18-011	DC NC	5mm SHIELDED	≤ 200mA	DC 10-30V	2 WIRE

TECHNICAL SPECIFICATIONS				
Property Project	Specific Parameter			
Mounting Distance	5mm shielded			
Sensing Distance	04.5mm shielded			
Power Supply	DC 10-30V			
Frequency	500Hz/250Hz (DC 3/2 wires)			
Current Output (DC)	200mA			
Ambient Temperature	-20°C-70°C			
Against Polarity Reversal	YES			
Short Circuit Protected	3 wires: YES / 2 wires: NO			
IP Rating	IP67			

ELECTRICAL CONNECTION

BROWN **PNP** NPN BLUE



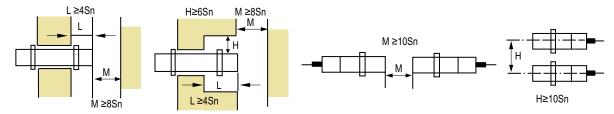


Unit: mm 10.0

PICTURE OF PRODUCT

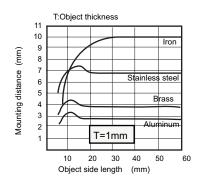
INSTALLATION

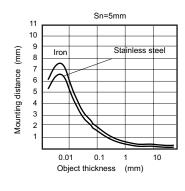
If used in an area surrounded by metal, Install the proximity Sensor as follows . (Sn = Sensing distance)

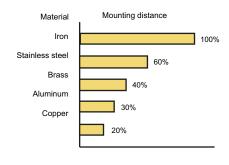


INDUCTIVE PROXIMITY APPLICATION DIRECTION

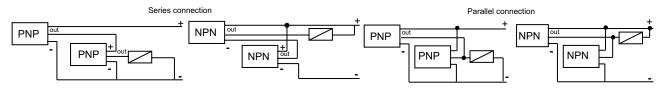
- a. Set mounting distance equal to 80% of Sn.
- b. Set mounting distance roughly equal to 50% of Sn when sensor is used measuring mounting frequency or operating in high speed circumstances.
- c. Mounting distance will change depending on material (iron, stainless steel, brass, copper and aluminum).







d.Inductive Proximity series connection and parallel connection



REV. NO.	REVISION NOTE	DATE	SIGNATURE
В	Datasheet Update	Jan 2009	LG

As part of the company policy of continued product improvement, specifications may change without notice. Our sales office wil 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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Comus International, 454 Allwood Rd. Clifton, NJ 07012 USA. Website: www.comus-intl.com

USA: +(1) 973 777 6900 - UK: +44 (0) 1255 862236 - Belgium: + 32 (0)12 390400 - France: + 33 (0) 1 43 96 86 10



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TAKE A LOOK AT OUR VARIETY OF PRODUCTS

