

Code

## EDCON-COMPONENTS



## Features

Inductive proximity sensor.

Style: cylinder shape M5, M8, M12, M18, M30 various rectangular shape and protruding shape.

Shielded or unshielded type.

DC 2-wire (10-30V DC), DC3-wire (10-30V DC), DC-4Wire (10-30V DC), AC 2-wire (90-250V AC) type.

Connection Mode: 3 or 4 wires or 3 or 4 pin M8 or M12 connector.

With LED operation indicator, easily identifiable.

Brass nickle plated, proof of oil, water acid, alkaline.

Standard sensing object: inductive sensor: ferrous metals;

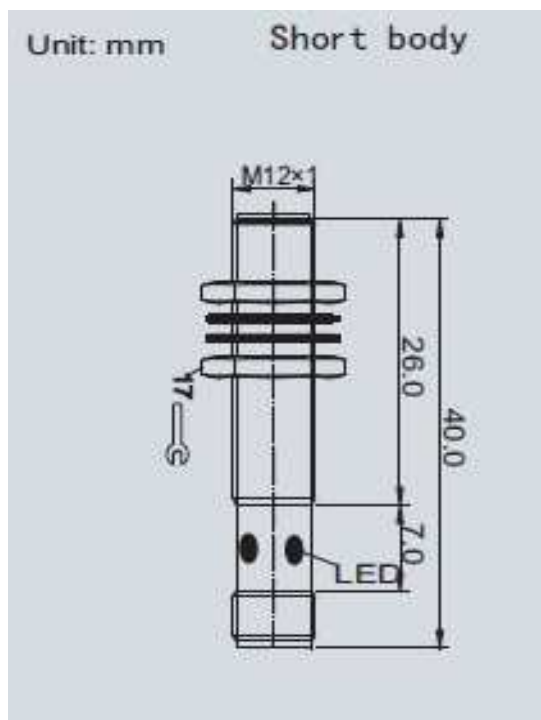
capacitive sensor: metal or non metals objects.

Protection IP-rate: IP67, water resistant:

Over-load and short circuit protection; polarity reversal protection.

Widely applied in measuring, Counting, RPpm measuring in mechanismus, chemical paper manufacture light industry, etc.

## Technical Dimension


**INDUCTIVE Proximity  
Sensor**

 Part No.: **25A1017**

Customer:

DRW:	Jimmy	CHKD	Ban	MATL:	Wilson	TOLERANCE	Mason	DATE	10.08.2009
APPD:	Johnson			FINISH	Jamy		Sheet No.	1 from 5	

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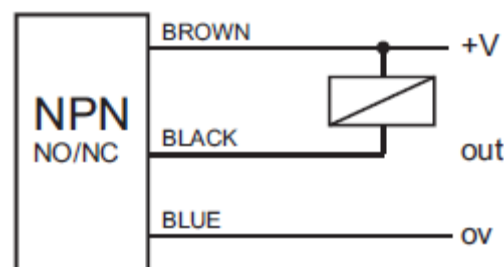


## Technical Discription

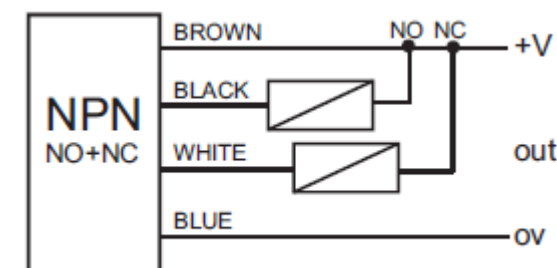
Dimension :	M12x1
Installation	Flush (shielded)
Mounting Distance Sn	2,0mm
Detect distance Sa	0 - 1,8mm
Rated Operating Voltage	24 VDC
Supply Voltage	10 ~ 30VDC
Voltage Drop	≤ 2V
Rated Insulation Voltage	≥ 20M Ω
Load current capacity	100mA
Off-state current (NPN/PNP)	≤ 15mA
Leak current	≤ 20µA
Against polarity reversal	YES
Short circuit protected	YES
Load capacity	≤ 1 µF
Repeated accuracy	≤ 5%
Ambient temperature range	.-25°C ~ +70°C
Operating frequency	800Hz /400Hz
Function indication	RED Led Indicator
IP ratings	IP67
Housing Material	Brass nickel plated ABS Housing MOQ on request
Material of sensing face	ABS
Connection	Connector
No of wires & gauge	
Standard length of cable	2,0M
Plug-in connector	M12 3/4Pol. Code A/B
Approvals	CE

## Connection Mode

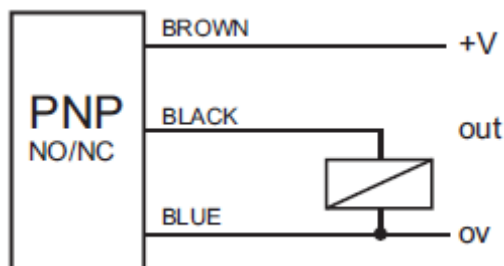
### Output Code A or B



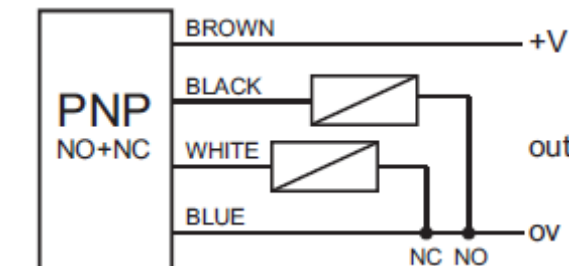
### Output Mode Code E



### Output Mode Code C or D



### Output Mode Code F



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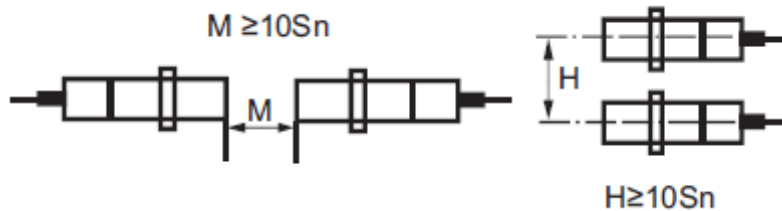
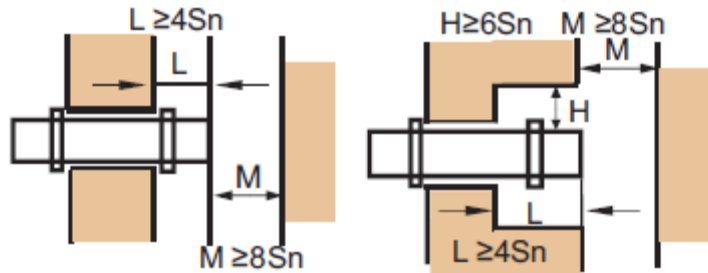
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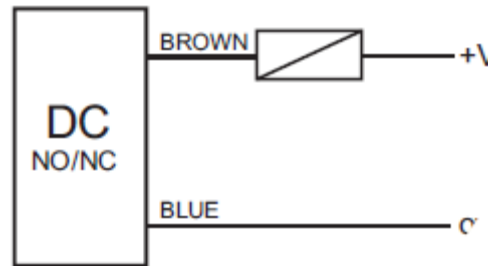
## Inductive Proximity Application Direction

- A:** Mounting distance should be set equal 80% SN.  
**B:** Set mounting distance equals 50% sn,when sensor applies in measuring mounting frequency or operating in high speed circumstance:  
**C:** Mounting distance varies with measuring object (iron, stainless steel, brass, copper and aluminium).

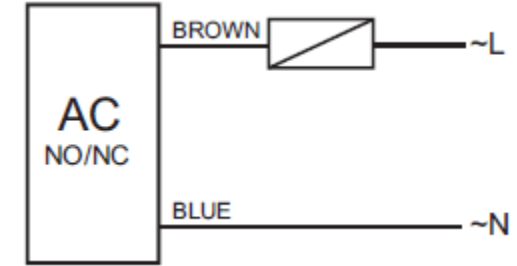


## Connection Mode

### Output Mode Code G or H



### Output Mode Code J or K



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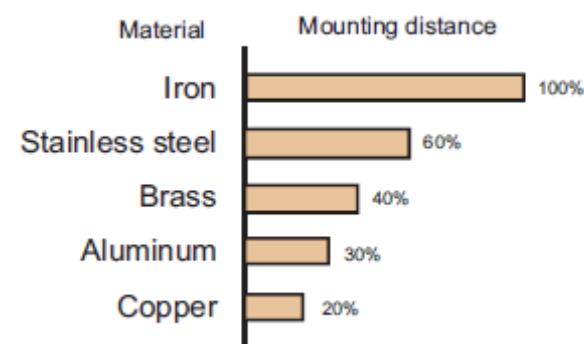
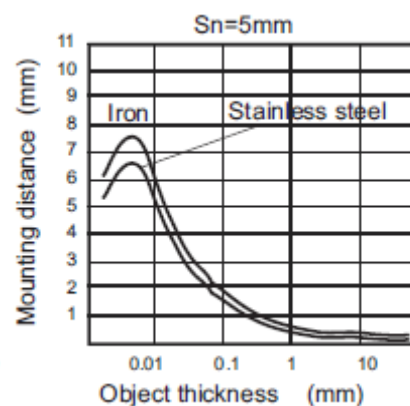
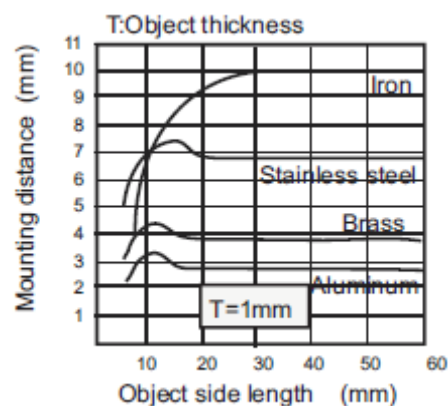
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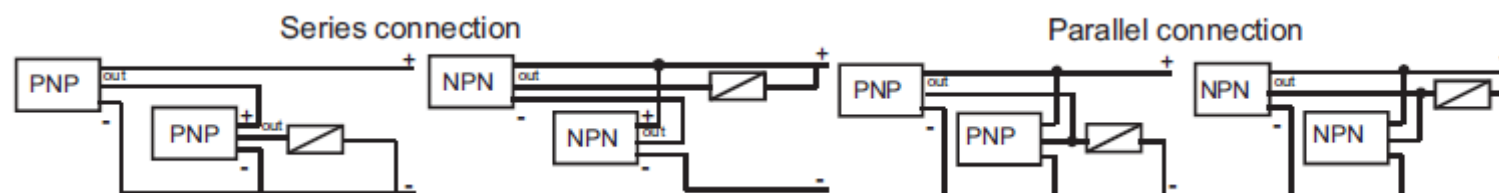
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## Mounting distance



## D: Inductive Proximity series connection and parallel connection.



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## Ordering Informations

Serie	Connector	Connector Size	Zylinder Size	Output Mode	Detect Distance	Output Current	Body Sensor Length	Housing	Cable length	
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<b>25A1017</b>	<b>B</b>	<b>D</b>	<b>M12</b>	<b>A</b>	<b>02</b>	<b>A</b>	<b>S</b>	<b>B</b>	<b>0000</b>	
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		<b>M12=</b> M12x1	<b>A=</b> NPN-NO		<b>A=</b> 100mA		<b>B=</b> Brass Housing	<b>0000=</b> without Cable
<b>B=</b> Straight Connector			<b>B=</b> NPN-NC	<b>02=</b> 2mm		<b>S=</b> Short Body	<b>A=</b> ABS Housing MOQ on request	<b>2001=</b> Standard Cable length is 2000mm other length available please fill in
			<b>C=</b> PNP-NO					
	<b>D=</b> M12 3P Connector Code A		<b>D=</b> PNP-NC					
	<b>E=</b> M12 3P Connector Code B		<b>E=</b> NPN-NO+NC					
	<b>F=</b> M12 4P Connector Code A		<b>F=</b> PNP-NO+NC					
	<b>G=</b> M12 4P Connector Code B							

For special request of sensors (e.g. 24V AC appearance, function), please indicate when order.

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