



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;

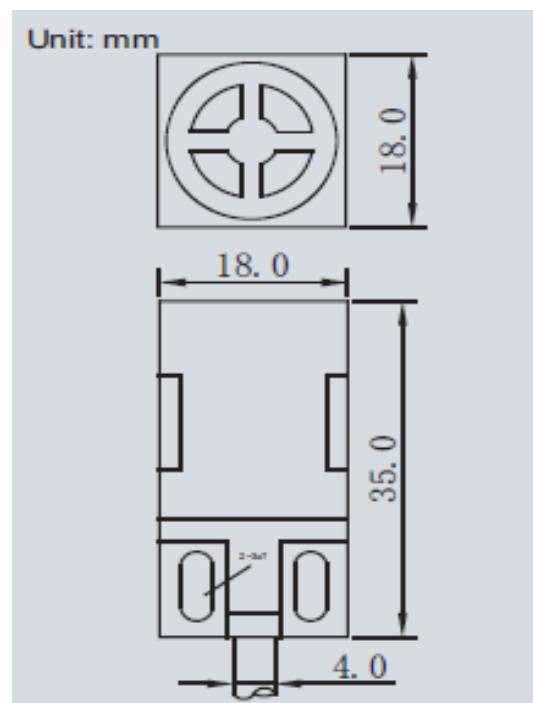
capacitive sensor: metal or non metals objects.

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.: **25A1043**

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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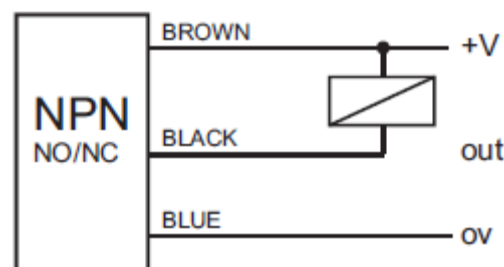
Technical Discription

Dimension :	18,0x18x35mm
Installation	NON-Flush (unshielded)
Mounting Distance Sn	5,0mm
Detect distance Sa	0 - 4,5mm
Rated Operating Voltage	24 VDC
Supply Voltage	10 ~ 30VDC
Voltage Drop	≤ 2V
Rated Insulation Voltage	≥ 20M Ω
Load current capacity	200mA
Off-state current (NPN/PNP)	≤ 15mA
Leak current	≤ 20μA
Against polarity reversal	YES
Short circuit protected	3wires: YES
Load capacity	≤ 1μF
Repeated accuracy	≤ 5%
Ambient temperature range	.-25°C ~ +70°C
Operating frequency	500Hz / 250Hz
Function indication	RED Led Indicator
IP ratings	IP67
Housing Material	ABS
Material of Sensing face	ABS

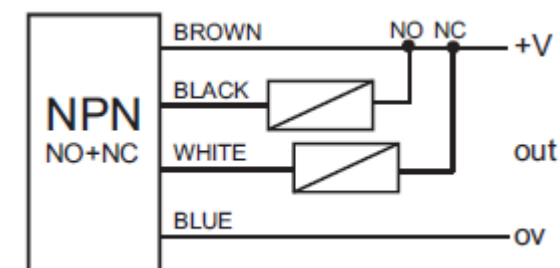
Connection	Wires
No of wires & gauge	12x0,12mm
Standard length of cable	2M
Plug-in connector	NO
Approvals	CE

Connection Mode

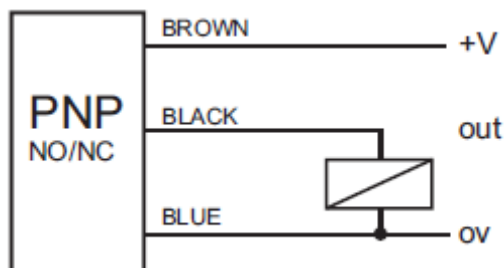
Output Code A or B



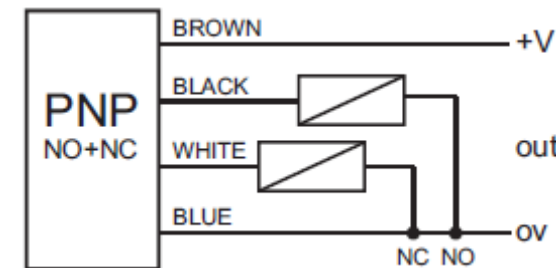
Output Mode Code E



Output Mode Code C or D



Output Mode Code F



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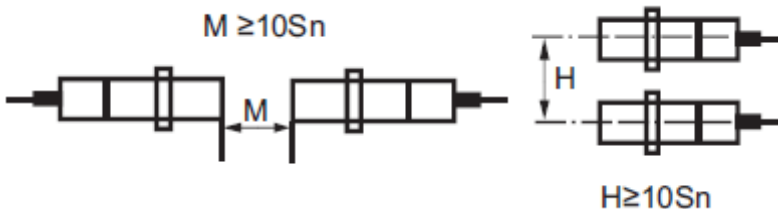
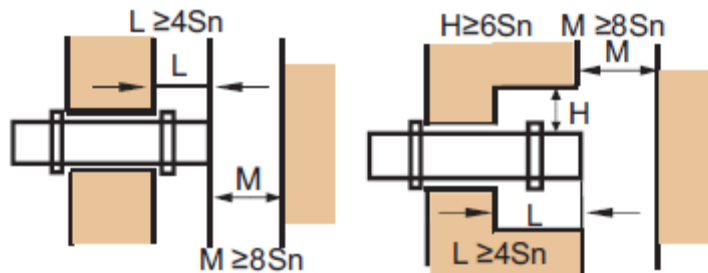


Inductive Proximity Application Direction

A: Mounting distance should be set equal 80% SN.

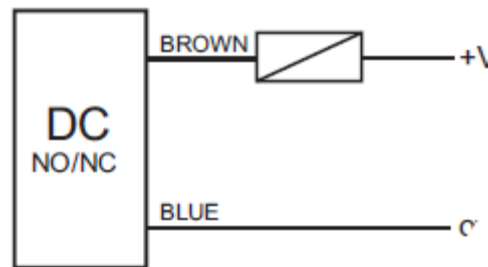
B: Set mounting distance equals 50% sn,when sensor applies in measuring mounting frequency or operating in high speed circumstance:

C: Mounting distance varies with measuring object (iron, stainless steel, brass, copper and aluminium).

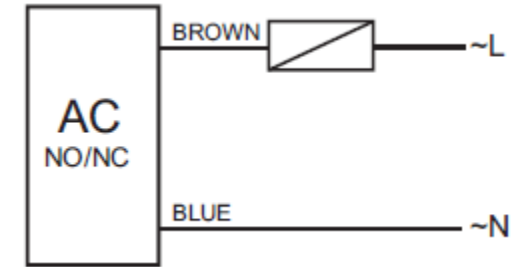


Connection Mode

Output Mode Code G or H



Output Mode Code J or K



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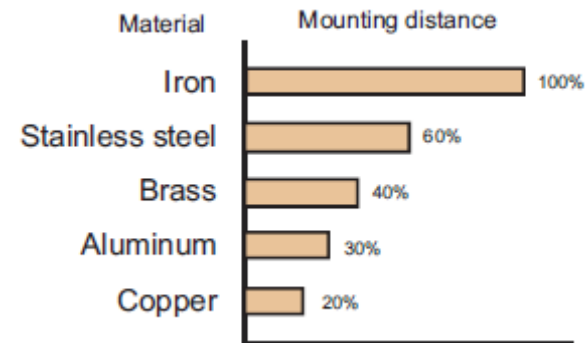
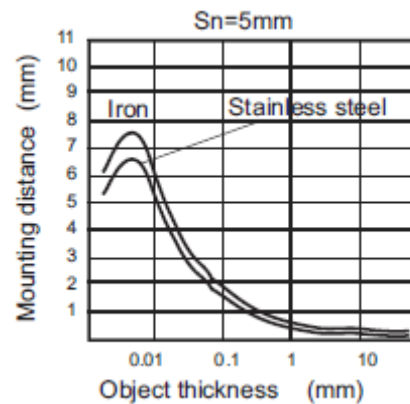
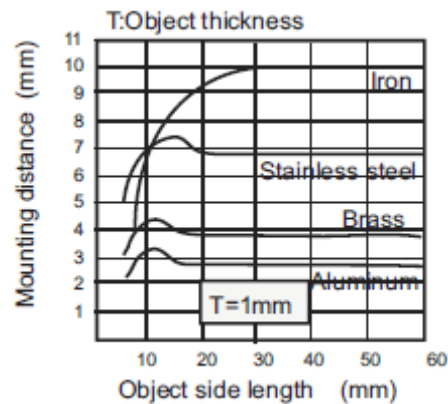
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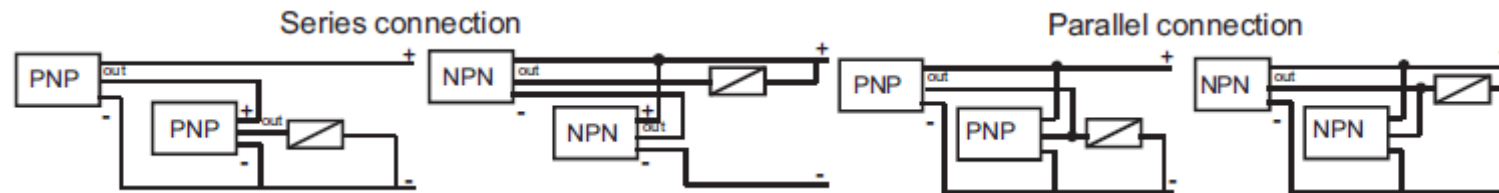
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Mounting distance



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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25A1043	A	X	S18Y	A	05	B	0	A	2001	
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A= Cable	X= without connector	S18Y= 18x18mm	A= NPN-NO			0= NO function	A= ABS Housing	0000= without Cable
			B= NPN-NC		B= 200mA			2001= Standard Cable length is 2000mm other length available please fill in
			C= PNP-NO					
			D= PNP-NC	05= 5mm				

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

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