Code

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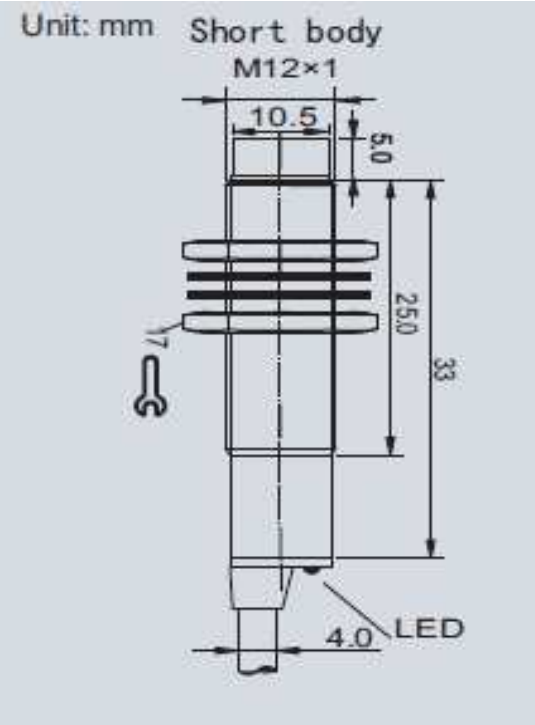
Features

Inductive proximity sensor.
Style: cylinder shape M5, M8, M12,M!8,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; capacitve 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.: **25A1014**

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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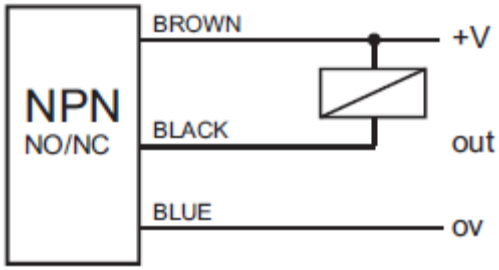
Technical Discription

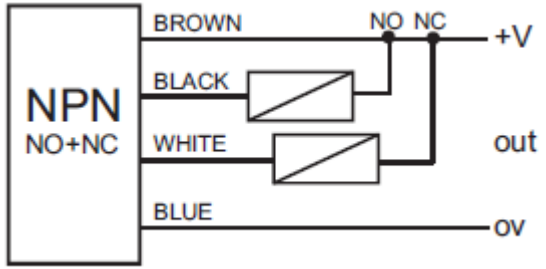
Dimension :	M12x1
Installation	NON-Flush (unshielded)
Mounting Distance Sn	4,0mm
Detect distance Sa	0 - 3,6mm
Rated Operating Voltage	24 VDC
Supply Voltage	10 ~ 30VDC
Voltage Drop	≤ 2V
Rated Insulation Voltage	≥ 20M Ω
Load current capacity	100mA
Off-state current (NPN/PNP)	≤ 11mA
Leak current	≤ 20μA
Against polarity reversal	YES
Short circuit protected	YES
Load capacity	≤ 0,5μF
Repeated accuracy	≤ 5%
Ambient temperature range	.-25°C ~ +70°C
Operating frequency	800Hz /400Hz /25Hz
Function indication	RED Led Indicator
IP ratings	IP67
Housing Material	Brass nickel plated ABS Housing MOQ on request
Material of sensing face	ABS
Connection	Wires
No of wires & gauge	12x0,12mm
Standard length of cable	2,0M
Plug-in connector	NO
Approvals	CE

Connection Mode

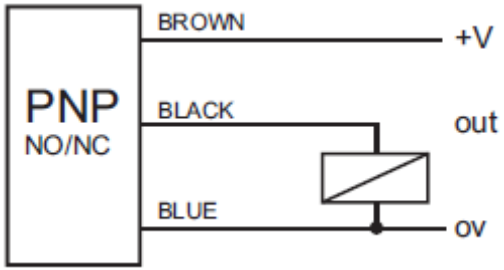
Output Code A or B



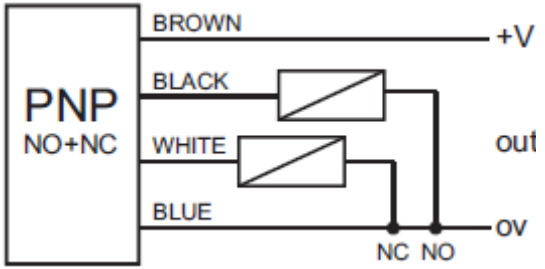
Output Mode Code E



Output Mode Code C or D



Output Mode Code F



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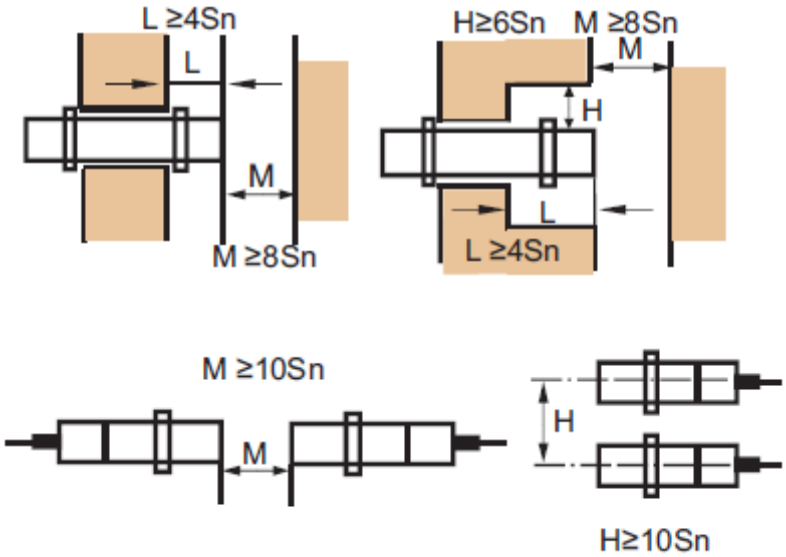
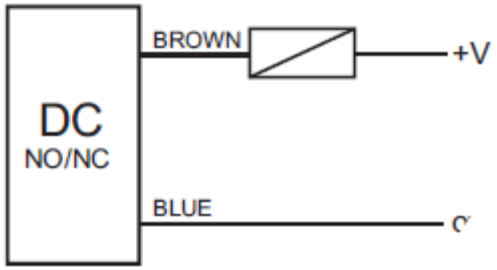
Inductive Proximity Application Direction

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

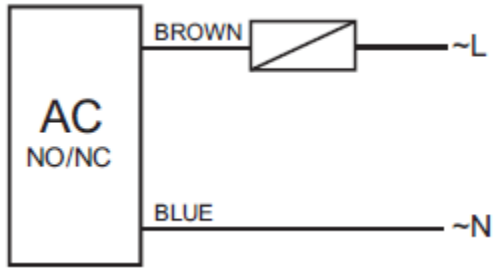


Connection Mode

Output Mode Code G or H



Output Mode Code J or K



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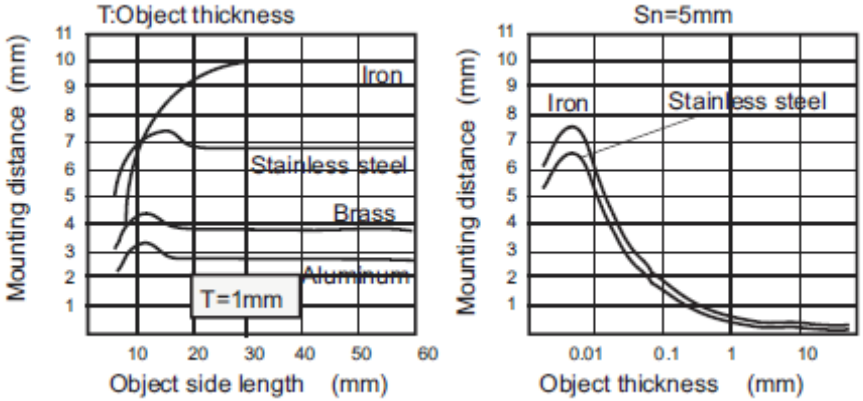
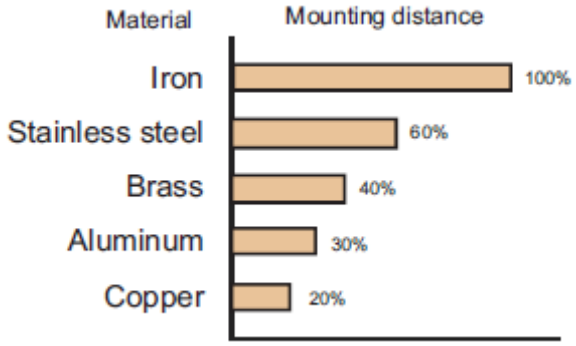
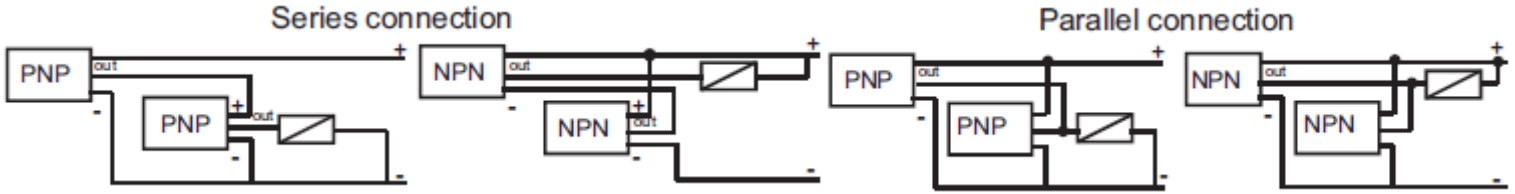
Mounting distance





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	
25A1014	**A**	**X**	**M12**	**A**	**04**	**A**	**S**	**B**	**0000**	

A= Cable	**X=** without connector	**M12**= M12x1	**A**= NPN-NO		**A**= 100mA		**B**= Brass Housing	**0000**= without Cable
			B= NPN-NC			**S**= Short Body	**A**= ABS Housing MOQ on request	**2001**= Standard Cable length is 2000mm other length available please fill in
			C= PNP-NO	**04**= 4mm				
			D= PNP-NC					
			E= NPN-NO+NC					
			F= PNP-NO+NC					

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

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