Code	EDCON-COMPONENTS	

EDC⊙N®
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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.
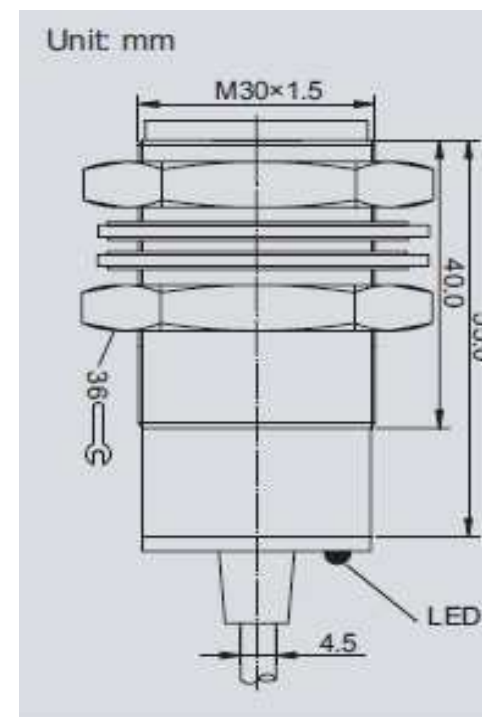Standard sensing object: inductive sensor: ferrous metals; capacitve sensor: metal or non metals objects.
Protection IP-rate: IP67, water resistant:
Over-load and short circuit protection; polarity reversal protection.

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

Technical Dimension

Unit: mm
M30×1.5
40.0
55.0
36
LED
4.5

									INDUCTIVE Proximity Sensor	
									Part No.:	**25A1028**
DRW:	Jimmy	CHKD	Ban	MATL:	Wilson	TOLERANCE	Mason	DATE	10.08.2009	Customer:
APPD:	Johnson			FINISH	Jamy		Sheet No.		1 from 5	

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Technical Discription

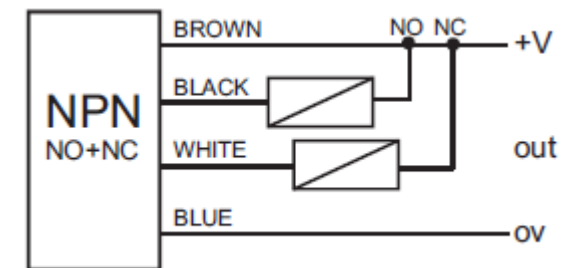|	
Dimension :	M30x1,5
Installation	Flush (shielded)
Mounting Distance Sn	10,0mm
Detect distance Sa	0 - 9,0mm
Rated Operating Voltage	24 VDC / 220VAC
Supply Voltage	10 ~ 30VDC /90-250VAC
Voltage Drop	≤ 2V
Rated Insulation Voltage	≥ 20M Ω
Load current capacity	200mA / 300mA
Off-state current (NPN/PNP)	≤ 11mA
Leak current	≤ 20μA
Against polarity reversal	YES
Short circuit protected	3wires: YES / 2wires: NO
Load capacity	≤ 0,5μF
Repeated accuracy	≤ 5%
Ambient temperature range	.-25°C ~ +70°C
Operating frequency	500Hz /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	
No of wires & gauge	12x0,16mm
Standard length of cable	2M
Plug-in connector	
Approvals	CE

Connection Mode

Output Code A or B
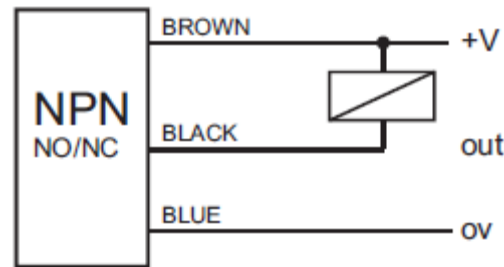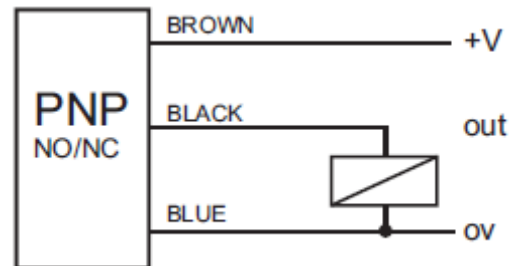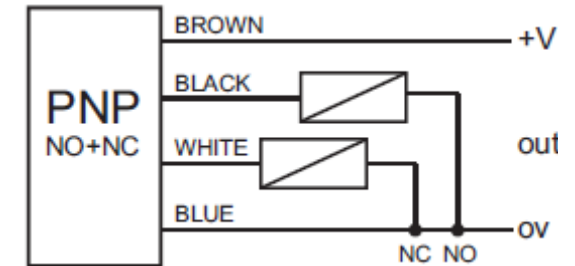
NPN NO/NC — BROWN +V, BLACK out, BLUE ov

Output Mode Code E

NPN NO+NC — BROWN, NO NC +V, BLACK, WHITE out, BLUE ov

Output Mode Code C or D

PNP NO/NC — BROWN +V, BLACK out, BLUE ov

Output Mode Code F

PNP NO+NC — BROWN +V, BLACK, WHITE out, BLUE ov, NC NO

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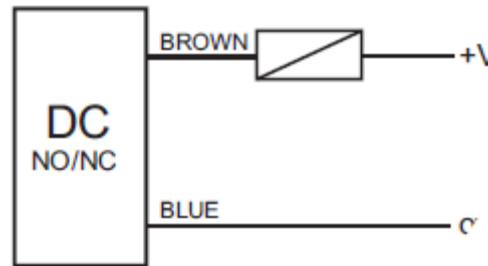**EDCON**
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Inductive Proximity Application Direction

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:

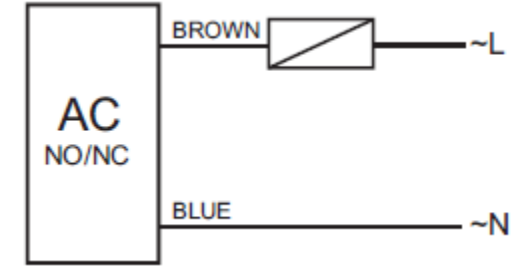**C:** Mounting distance varies with measuring object (iron, stainless steel, brass, copper and aluminium).
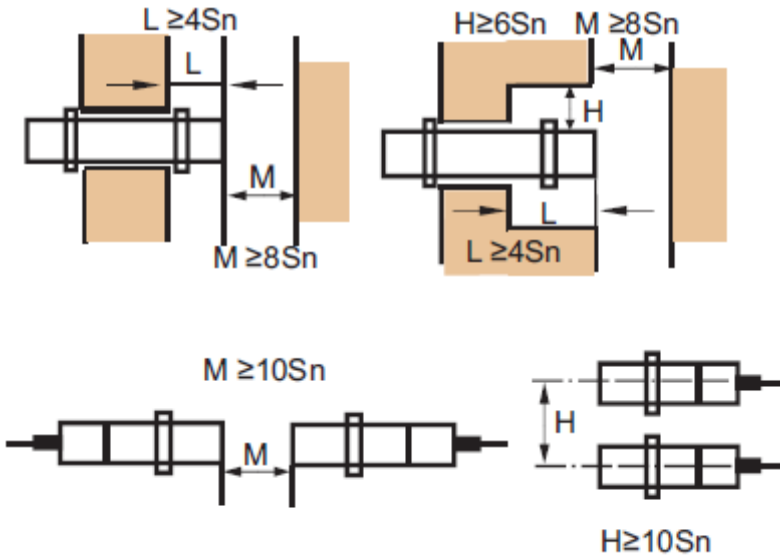
Connection Mode

Output Mode Code G or H

Output Mode Code J or K

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Mounting distance

T:Object thickness — Mounting distance (mm) vs Object side length (mm): Iron, Stainless steel, Brass, Aluminum, T=1mm

Sn=5mm — Mounting distance (mm) vs Object thickness (mm): Iron, Stainless steel

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

D: Inductive Proximity series connection and parallel connection.
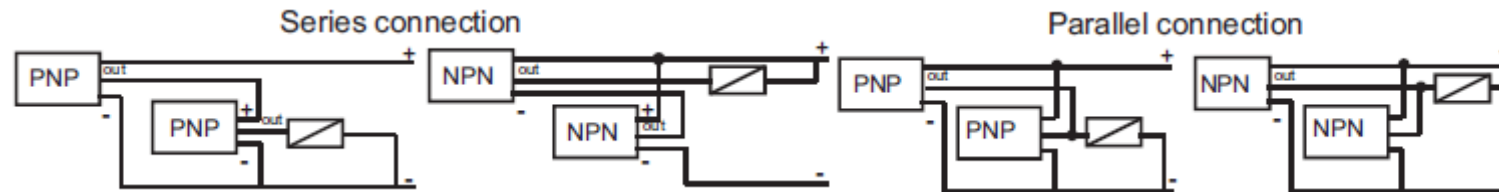
Series connection — PNP, PNP, NPN, NPN

Parallel connection — PNP, PNP, NPN, NPN

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email: info@edcon-components.com

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Ordering Informations

Serie	Connector	Connector Size	Zylinder Size	Output Mode	Detect Distance	Output Current	Body Sensor Length	Housing	Cable length	
25A1028	**A**	**X**	**M30**	**A**	**10**	**B**	**L**	**B**	**2001**	

	Connector	Connector Size	Zylinder Size	Output Mode	Detect Distance	Output Current	Body Sensor Length	Housing	Cable length
	A= Cable	**X=** without connector	**M30**= M30x1,5	**A**= NPN-NO			**L**= Large Sensor	**B**= Brass Housing	**0000**= without Cable
				B= NPN-NC		**B**= 200mA		**A**= ABS Housing MOQ on request	**2001**= Standard Cable length is 2000mm other length available please fill in
				C= PNP-NO		**C**= 300mA			
				D= PNP-NC					
				E= NPN-NO+NC					
				F= PNP-NO+NC	**10**= 10mm				
				G= DC2 Wire NO					
				H= DC2 Wire NC					
				J= AC2 Wire NO					
				K= AC2 Wire NC					

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

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