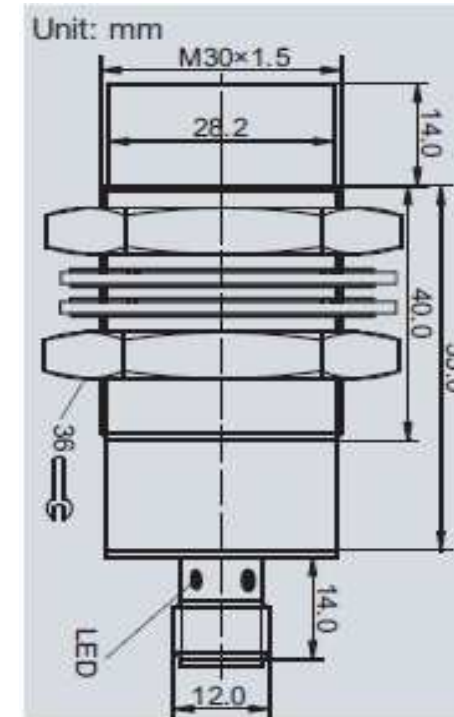## Features

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
28.2
14.0
40.0
55.0
36
14.0
LED
12.0

									CAPACITIVE Proximity Sensor	
									Part No.:	**25B1006**
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Technical Discription

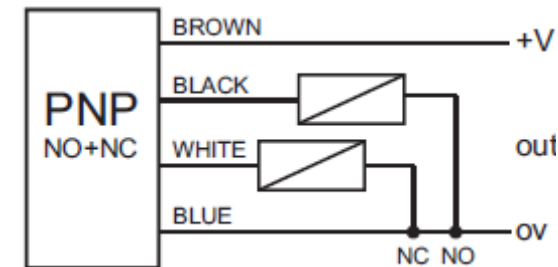|	
Dimension :	M30x1,5
Installation	NON-Flush (unshielded)
Mounting Distance Sn	25,0mm
Detect distance Sa	0 - 22,5m
Rated Operating Voltage	24 VDC / 220VAC
Supply Voltage	10 ~ 30VDC / 90-250VAC
Voltage Drop	≤ 2V
Rated Insulation Voltage	≥ 20M Ω
Load current capacity	200mA / 300mA
Off-state current (NPN/PNP)	≤ 10mA
Leak current	≤ 20µA
Against polarity reversal	YES
Short circuit protected	
Repeated accuracy	≤ 5%
Ambient temperature range	.-25°C ~ +70°C
Operating frequency	30Hz / 10Hz
Function indication	RED Led Indicator
IP ratings	IP67
Housing Material	Brass nickle plated
Material of Sensing face	ABS
Connection	wire
No of wires & gauge	12x0,16mm
Standard length of cable	2M
Plug-in connector	NO

Connection Mode

Output Code A or B
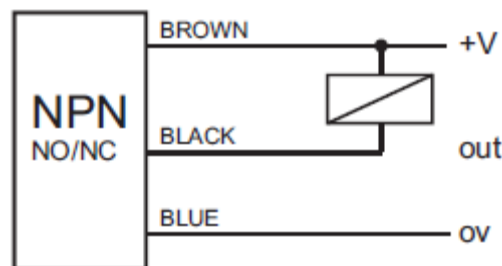
Output Mode Code E
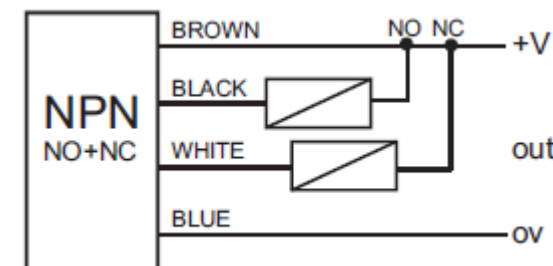
Output Mode Code C or D
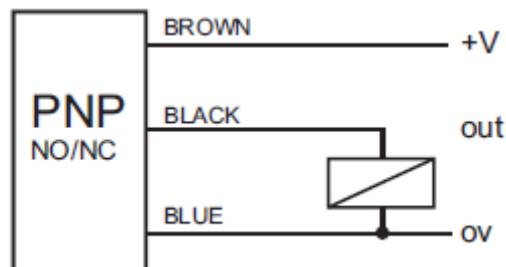
Output Mode Code F

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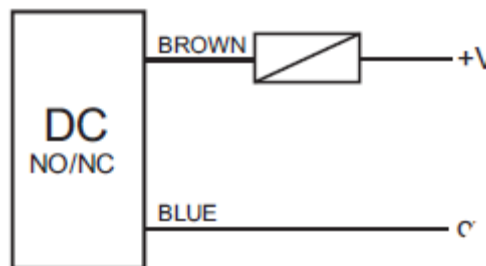| DRW:	Jimmy	CHKD	Ban	MATL:	Wilson	TOLERANCE	Mason	DATE	10.08.2009	Customer:
APPD:	Johnson			FINISH	Jamy		Sheet No.		2 from 5	

email: info@edcon-components.com
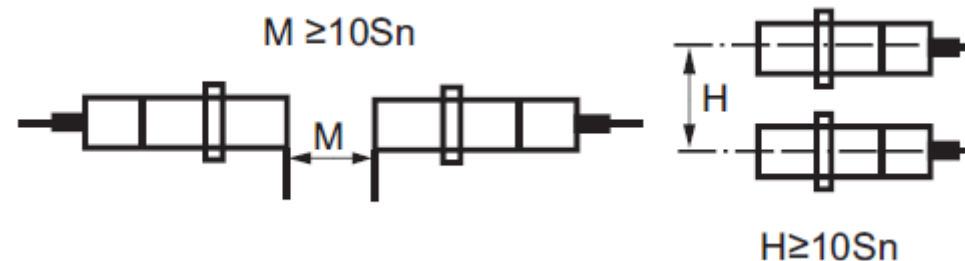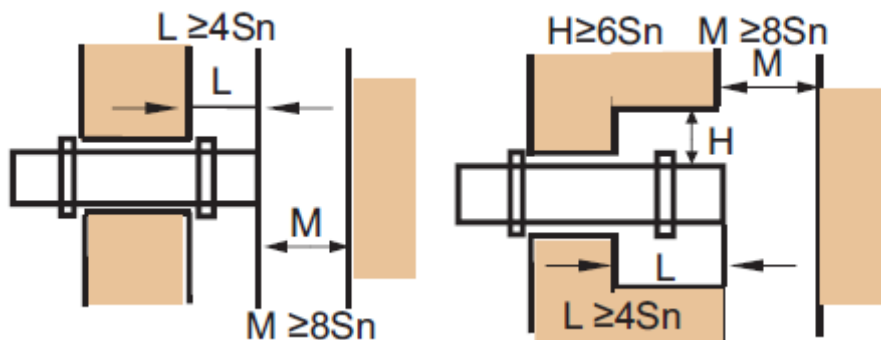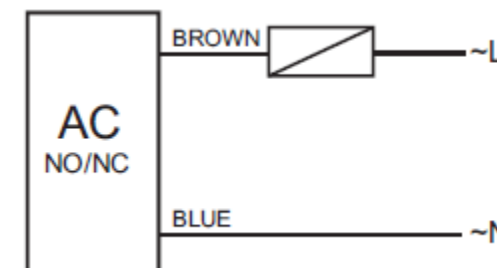
Capacitve Proximity Application Direction

A. Capacitive proximity sensor can measure both metal and non -metal objects, such as iron, water, oil glass, plastic…etc,. The mounting distance varies with different objects because of different object conductivity, permittivity and water absorbation. If the metal connects with ground (GND), the max. Mounting distance can be obtained.

B. Different objects, the mounting distance is different, refer to Table 1

C. The mounting distance of Capacitive proximity sensors can be adjusted, and the mounting distance must be adjusted before installing, instead of after. Adjustment please refer to Table 2

D. When operating, the capacitve proximity sensors should be far away from the high frequency electromagnetismus circumstance, for example, supersonic wave emittor, high frequency.

Connection Mode

Output Mode Code G or H

Output Mode Code J or K

CAPACITIVE Proximity Sensor

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Adjustment Table 2

Indicate

Power line

Distance adjustor
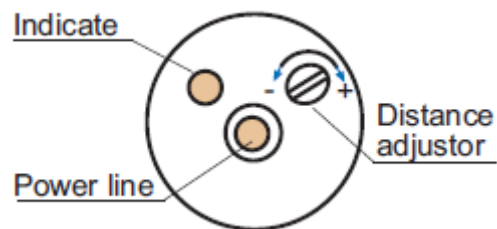
Adjustor turns right Sn increases turn left Sn decreases, the circle on Sn adjustor about ten.

on stop

adjustor

Without object, turn adjustor right to the **ON** stop.

off stop

adjustor

Approachingobject, turn adjustor left to the **OFF** stop.

middle stop   on

adjustor   off

At least set the adjust in the middle of **ON** and **OFF** position.

Mounting distance Table 1

Material	Mounting distance
Iron	100%
Milk	60%
Salt	40%
Granulated sugar	30%
Glass	20%

CAPACITIVE Proximity Sensor

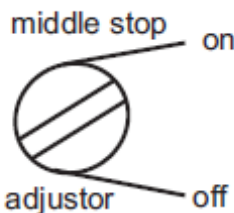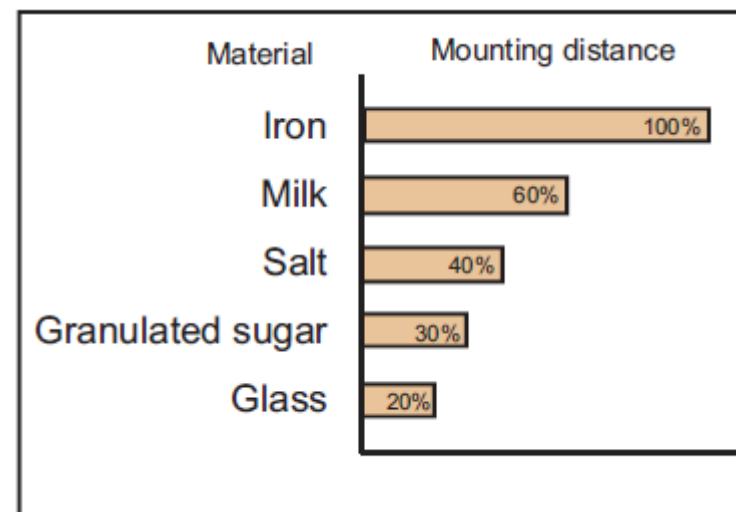|								
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EDCON-COMPONENTS

Ordering Informations

Serie	Connector	Connector Size	Zylinder Size	Output Mode	Detect Distance	Output Current	Body Sensor Length	Housing	Cable length	
25B1006	**B**	**D**	**M30**	**A**	**25**	**B**	**0**	**B**	**0000**	
			M30= M30x1,5mm	**A**= NPN-NO			**0**= NO function	**B**= Brass	**0000**= without Cable	
	B= Straight Connector			**B**= NPN-NC		**B**= 200mA		**A=** ABS is available MOQ on request		
				C= PNP-NO		**C**= 300mA				
		D= M12 3P Connector Code A		**D**= PNP-NC						
		E= M12 3P Connector Code B		**E**= NPN-NO+NC						
		F= M12 4P Connector Code A		**F**= PNP-NO+NC						
		G= M12 4P Connector Code B		**J**= AC2 Wire NO	**25**= 25mm					
				K= AC2 Wire NC						

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

CAPACITIVE Proximity Sensor

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