



Nanostar Technologies

PRODUCT CATALOG



Quality Care is only Fair

Nanostar Technologies

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Nanostar Technologies

NANOSTAR TECHNOLOGIES



NID12-2NO



NIDC1255-2PO



NIDC0875-1PO



NID6.5-1PO



NID08-1PO



INDUCTIVE PROXIMITY SENSOR

fo@companyname.com

Selection Guide



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XX X X XX XX - XX X X

1 & 2 DIGIT : VERSION

Nanostar Inductive Sensor	NI
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3 DIGIT : POWER SUPPLY

DC	D
AC	A

4 DIGIT : TYPE

Connector	C
Wire	-
Box Type	B

5 & 6 DIGIT : DIAMETER OF TUBE

Tubular M6.5	6.5
Tubular M08	08
Tubular M12	12
Tubular M18	18
Tubular M30	30
Box Type(40x28x12)	40

7 & 8 DIGIT : LENGTH OF TUBE

45mm	45
55mm	55
60mm	60
65mm	65
70mm	70
75mm	75
80mm	80

12 DIGIT : OUTPUT TYPE

N/O	O
N/C	C

11 DIGIT : OUTPUT LOGIC

PNP	P
NPN	N
2 wire	D

9 & 10 DIGIT : SENSING DISTANCE

1mm	1
2mm	2
4mm	4
5mm	5
8mm	8
10mm	10
15mm	15

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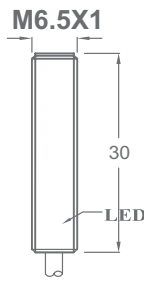


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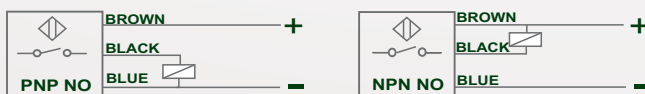


FEATURES

- ★ Protection degree IP67 : Dust tight and Protection from effects of immersion
- ★ LED function indicator

		MODEL
	PNP,NO	NID6.5-1PO
	NPN,NO	NID6.5-1NO
Dimensions: mm		
Operating Distance(Sn)	1mm	
External Diameter	M6.5 x 1	
Power Supply	10-30VDC	
Maximum Switching Current	300mA	
Power Drain	<15mA	
Voltage Drop(Sensor ON)	<2.2V	
Short Circuit Protection	No	
Operating Frequency	1kHz	
Repeatability(%Sn)	<3%	
Hysteresis(%Sn)	<10%	
Case	Nickel-Plated Brass	
Protection Degree	IP 67	
Operating Temperature	-25 to +70°C	
Output Connection	Cable PVC: L=2m	

CONNECTION DIAGRAM



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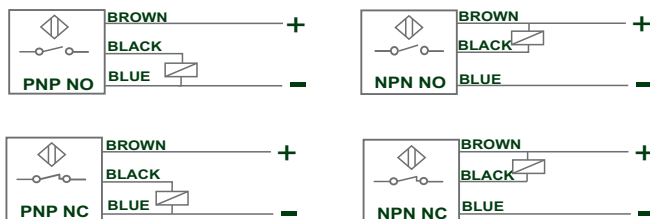


FEATURES

- ★ Short Circuit & Reverse Polarity Protection
- ★ Protection degree IP67 : Dust tight and Protection from effects of immersion
- ★ LED function indicator

		MODEL			
	PNP,NO	NID08-1PO	NID08-2PO	NIDC0855-1PO	NIDC0860-2PO
	PNP,NC	NID08-1PC	NID08-2PC	NIDC0855-1PC	NIDC0860-2PC
	NPN,NO	NID08-1NO	NID08-2NO	NIDC0855-1NO	NIDC0860-2NO
	NPN,NC	NID08-1NC	NID08-2NC	NIDC0855-1NC	NIDC0860-2NC
Dimensions: mm					
Operating Distance(Sn)		1mm	2mm	1mm	2mm
External Diameter	M8 x 1				
Power Supply	10-30VDC				
Maximum Switching Current	300mA				
Power Drain	<15mA				
Voltage Drop(Sensor ON)	<2.2V				
Short Circuit Protection	Yes				
Operating Frequency	1kHz				
Repeatability(%Sn)	<3%				
Hysteresis(%Sn)	<10%				
Case	Nickel-Plated Brass				
Flush Mounting	Yes	No	Yes	No	
Protection Degree	IP 67				
Operating Temperature	-25 to +70°C				
Output Connection	Cable PVC: L=2m			Connector	

CONNECTION DIAGRAM



CONNECTOR

M12 Male Connector



- 1 = Brown (+10 to 30V)
- 2 = Not used
- 3 = Blue (GND)
- 4 = Black (OUTPUT)

Inductive Proximity Sensor



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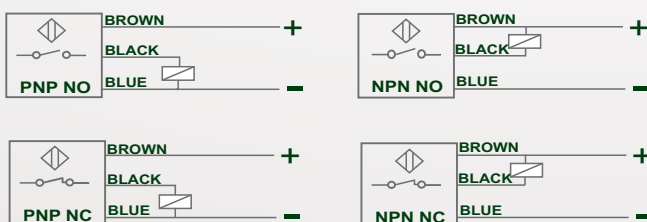


FEATURES

- ★ Short Circuit & Reverse polarity protection
- ★ Protection degree IP67 : Dust tight and Protection from effects of immersion
- ★ LED function indicator

		MODEL			
	PNP,NO	NID12-2PO	NID12-4PO	NIDC1255-2PO	NIDC1260-4PO
	PNP,NC	NID12-2PC	NID12-4PC	NIDC1255-2PC	NIDC1260-4PC
	NPN,NO	NID12-2NO	NID12-4NO	NIDC1255-2NO	NIDC1260-4NO
	NPN,NC	NID12-2NC	NID12-4NC	NIDC1255-2NC	NIDC1260-4NC
Dimensions: mm					
Operating Distance(Sn)		2mm	4mm	2mm	4mm
External Diameter	M12 x 1				
Power Supply	10-30VDC				
Maximum Switching Current	300mA				
Power Drain	<15mA				
Voltage Drop(Sensor ON)	<2.2V				
Short Circuit Protection	Yes				
Operating Frequency	1kHz				
Repeatability(%Sn)	<3%				
Hysteresis(%Sn)	<10%				
Case	Nickel-Plated Brass				
Flush Mounting	Yes	No	Yes	No	
Protection Degree	IP 67				
Operating Temperature	-25 to +70°C				
Output Connection	Cable PVC: L=2m			Connector	

CONNECTION DIAGRAM



CONNECTOR

M12 Male Connector



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FEATURES

- ★ Short Circuit & Reverse polarity protection
- ★ Protection degree IP67 : Dust tight and Protection from effects of immersion
- ★ LED function indicator

MODEL					
Nanostar	PNP,NO	NIDC0875-1PO	NIDC1265-2PO	NIDC1870-5PO	NIDC1880-8PO
Dimensions: mm					
Operating Distance(Sn)		1mm	2mm	5mm	8mm
External Diameter		M8 x 1	M12 x 1	M18 x 1	M18 x 1
Power Supply	10-30VDC				
Maximum Switching Current	300mA				
Power Drain	<15mA				
Voltage Drop(Sensor ON)	<2.2V				
Short Circuit Protection	Yes				
Operating Frequency	1kHz				
Repeatability(%Sn)	<3%				
Hysteresis(%Sn)	<10%				
Case	Nickel-Plated Brass				
Flush Mounting	Yes	Yes	Yes	Yes	No
Protection Degree	IP 67				
Operating Temperature	-25 to +70°C				
Output Connection	Connector				

CONNECTOR

M12 Male Connector



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- 4 = Black (OUTPUT)

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FEATURES

- ★ Short Circuit & Reverse polarity protection
- ★ Protection degree IP67 : Dust tight and Protection from effects of immersion
- ★ LED function indicator

		MODEL			
	PNP,NO	NID18-5PO	NID18-8PO	NIDC1845-5PO	NIDC1855-8PO
	PNP,NC	NID18-5PC	NID18-8PC	NIDC1845-5PC	NIDC1855-8PC
	NPN,NO	NID18-5NO	NID18-8NO	NIDC1845-5NO	NIDC1855-8NO
	NPN,NC	NID18-5NC	NID18-8NC	NIDC1845-5NC	NIDC1855-8NC
Dimensions: mm					
Operating Distance(Sn)	5mm		8mm		
External Diameter	M18 x 1				
Power Supply	10-30VDC				
Maximum Switching Current	300mA				
Power Drain	<15mA				
Voltage Drop(Sensor ON)	<2.2V				
Short Circuit Protection	Yes				
Operating Frequency	1kHz				
Repeatability(%Sn)	<3%				
Hysteresis(%Sn)	<10%				
Case	Nickel-Plated Brass				
Flush Mounting	Yes	No	Yes	No	
Protection Degree	IP 67				
Operating Temperature	-25 to +70°C				
Output Connection	Cable PVC: L=2m			Connector	
<h3>CONNECTION DIAGRAM</h3>			<h3>CONNECTOR</h3> <h4>M12 Male Connector</h4> <p>1 = Brown (+10 to 30V) 2 = Not used 3 = Blue (GND) 4 = Black (OUTPUT)</p>		

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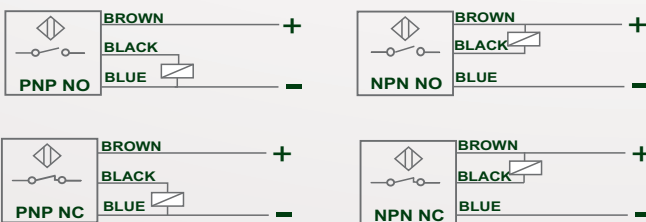


FEATURES

- ★ Short Circuit & Reverse polarity protection
- ★ Protection degree IP67 : Dust tight and Protection from effects of immersion
- ★ LED function indicator

MODEL					
	PNP,NO	NID30-10PO	NID30-15PO	NIDC3070-10PO	NIDC3080-15PO
	PNP,NC	NID30-10PC	NID30-15PC	NIDC3070-10PC	NIDC3080-15PC
	NPN,NO	NID30-10NO	NID30-15NO	NIDC3070-10NO	NIDC3080-15NO
	NPN,NC	NID30-10NC	NID30-15NC	NIDC3070-10NC	NIDC3080-15NC
Dimensions: mm					
Operating Distance(Sn)	10mm		15mm		15mm
External Diameter	M30 x 1.5				
Power Supply	10-30VDC				
Maximum Switching Current	300mA				
Power Drain	<15mA				
Voltage Drop(Sensor ON)	<2.2V				
Short Circuit Protection	Yes				
Operating Frequency	1kHz				
Repeatability(%Sn)	<3%				
Hysteresis(%Sn)	<10%				
Case	Nickel-Plated Brass				
Flush Mounting	Yes	No	Yes	No	
Protection Degree	IP 67				
Operating Temperature	-25 to +70°C				
Output Connection	Cable PVC: L=2m			Connector	

CONNECTION DIAGRAM



CONNECTOR

M12 Male Connector



- 1 = Brown (+10 to 30V)
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- 4 = Black (OUTPUT)

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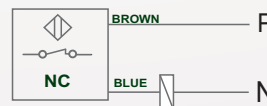
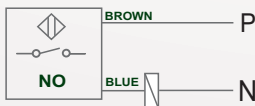


FEATURES

- ★ Protection degree IP67 : Dust tight and protection from effects of immersion
- ★ LED function indicator

		MODEL	
Nanostar	NO	NIA18-5PO	NIA18-8PO
	NC	NIA18-5PC	NIA18-8PC
Dimensions: mm			
Operating Distance(Sn)		5mm	8mm
External Diameter		M18 x 1	
Power Supply		90-250 VAC	
Maximum Switching Current		300mA	
Power Drain		<15mA	
Voltage Drop(Sensor ON)		<2.2V	
Short Circuit Protection		Yes	
Operating Frequency		25Hz	
Repeatability(%Sn)		<3%	
Hysteresis(%Sn)		<10%	
Case		Nickel-Plated Brass	
Flush Mounting		Yes	No
Protection Degree		IP 67	
Operating Temperature		-25 to +70°C	
Output Connection		Cable PVC: L=2m	Connector

CONNECTION DIAGRAM



Inductive Proximity Sensor

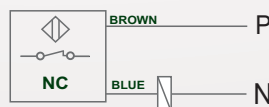
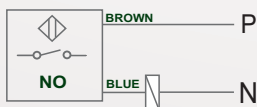


FEATURES

- ★ Protection degree IP67 : dust tight and protection from effects of immersion
- ★ LED function indicator

MODEL			
Nanostar	NO	NIA30-10PO	NIA30-15PO
	NC	NIA30-10PC	NIA30-15PC
Dimensions: mm			
Operating Distance(Sn)		10mm	15mm
External Diameter	M30 x 1.5		
Power Supply	90-250 Vac		
Maximum Switching Current	300mA		
Power Drain	<15mA		
Voltage Drop(Sensor ON)	<2.2V		
Short Circuit Protection	Yes		
Operating Frequency	25 Hz		
Repeatability(%Sn)	<3%		
Hysteresis(%Sn)	<10%		
Case	Nickel-Platted Brass		
Flush Mounting	Yes		No
Protection Degree	IP 67		
Operating Temperature	-25 to +70°C		
Output Connection	Cable PVC: L=2m		

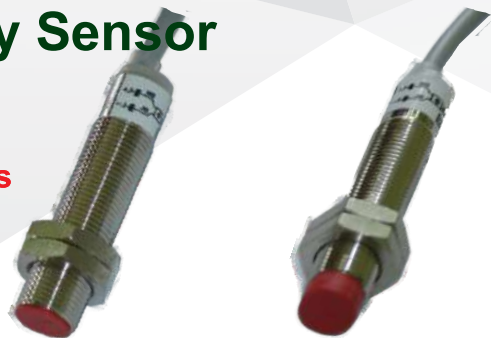
CONNECTION DIAGRAM



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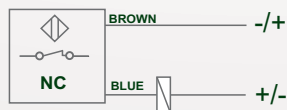
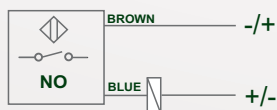


FEATURES

- ★ Short Circuit & Reverse polarity protection
- ★ Protection degree IP67 : Dust tight and Protection from effects of immersion
- ★ LED function indicator

		MODEL			
Nanostar	NO	NID12-2DO	NID12-4DO	NIDC1255-2DO	NIDC1255-4DO
	NC	NID12-2DC	NID12-4DO	NIDC1255-2DO	NIDC1255-4DO
Dimensions: mm					
Operating Distance(Sn)		2mm	4mm	2mm	4mm
External Diameter		M12 x 1			
Power Supply		10-30VDC			
Maximum Switching Current		300mA			
Power Drain		<15mA			
Voltage Drop(Sensor ON)		<4.6V			
Short Circuit Protection		Yes			
Operating Frequency		1kHz			
Repeatability(%Sn)		<3%			
Hysteresis(%Sn)		<10%			
Case		Nickel-Plated Brass			
Flush Mounting		Yes	No	Yes	No
Protection Degree		IP 67			
Operating Temperature		-25 to +70°C			
Output Connection		Cable PVC: L=2m		Connector	

CONNECTION DIAGRAM



CONNECTOR

M12 Male Connector



- 1 = Brown (+10 to 30V)
- 2 = not used
- 3 = not used
- 4 = Blue (GND)

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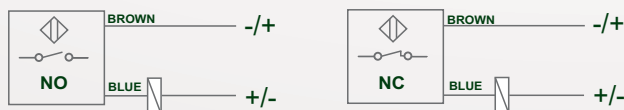


FEATURES

- ★ Short Circuit & Reverse polarity protection
- ★ Protection degree IP67 : Dust tight and Protection from effects of immersion
- ★ LED function indicator

		MODEL			
	NO	NID18-5DO	NID18-8DO	NIDC1845-5DO	NIDC1855-8DO
	NC	NID18-5DC	NID18-8DO	NIDC1845-5DO	NIDC1855-8DO
Dimensions: mm					
Operating Distance(Sn)		5mm	8mm	5mm	8mm
External Diameter	M18 x 1				
Power Supply	10-30VDC				
Maximum Switching Current	300mA				
Power Drain	<15mA				
Voltage Drop(Sensor ON)	<4.6V				
Short Circuit Protection	Yes				
Operating Frequency	1kHz				
Repeatability(%Sn)	<3%				
Hysteresis(%Sn)	<10%				
Case	Nickel-Plated Brass				
Flush mounting	Yes	No	Yes	No	
Protection degree	IP 67				
Operating Temperature	-25 to +70°C				
Output Connection	Cable PVC: L=2m			Connector	

CONNECTION DIAGRAM



CONNECTOR

M12 Male Connector



- 1 = Brown (+10 to 30V)
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FEATURES

- ★ Short Circuit & Reverse polarity protection
- ★ Protection degree IP67 : Dust tight and Protection from effects of immersion
- ★ LED function indicator


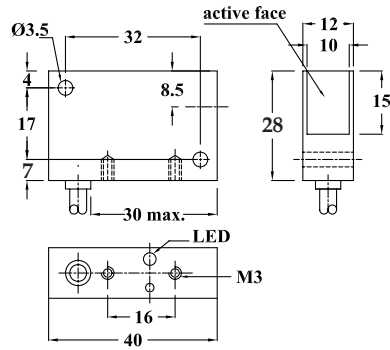
MODEL					
Nanostar	NO	NID30-10DO	NID30-15DO	NIDC3070-10DO	NIDC1880-8DO
	NC	NID30-10DC	NID30-15DO	NIDC3070-5DO	NIDC1880-8DO
Dimensions: mm					
Operating Distance(Sn)		10mm	15mm	10mm	15mm
External Diameter		M30 x 1.5			
Power Supply		10-30VDC			
Maximum Switching Current		300mA			
Power Drain		<15mA			
Voltage Drop(Sensor ON)		<4.6V			
Short Circuit Protection		Yes			
Operating Frequency		1kHz			
Repeatability(%Sn)		<3%			
Hysteresis(%Sn)		<10%			
Case		Nickel-Plated Brass			
Flush Mounting		Yes	No	Yes	No
Protection dDgree		IP 67			
Operating Temperature		-25 to +70°C			
Output Connection		Cable PVC: L=2m		Connector	
CONNECTION DIAGRAM			CONNECTOR		
			M12 Male Connector <p>1 = Brown (+10 to 30V) 2 = not used 3 = not used 4 = Blue (GND)</p>		

Inductive Proximity Sensor



FEATURES

- ★ Short Circuit & Reverse polarity protection
- ★ Protection degree IP67 : Dust tight and protection from effects of immersion
- ★ LED function indicator

		MODEL
	PNP,NO	NIDB40-4PO
	PNP,NC	NIDB40-4PC
	NPN,NO	NIDB40-4NO
	NPN,NC	NIDB40-4NC
Dimentions: mm		
Operating Distance(Sn)		4mm
Power Supply		10-30VDC
Maximum Switching Current		400mA
Power Drain		<15mA
Voltage Drop(Sensor ON)		<2.2V
Short Circuit Protection		Yes
Operating Frequency		1kHz
Repeatability(%Sn)		<3%
Hysteresis(%Sn)		<10%
Case		Nickel-Plated Brass
Protection Degree		IP 67
Operating Temperature		-25 to +70° C
Output Connection		Cable PVC: L=2m

CONNECTION DIAGRAM

