

HIGH TEMPERATURE INDUCTIVE PROXIMITY SENSOR (10-30VDC)

Diameter
● Shielded ○ non-Shielded
Switching Distance, Sn: mm
Housing Material
● With LED ○ Without LED

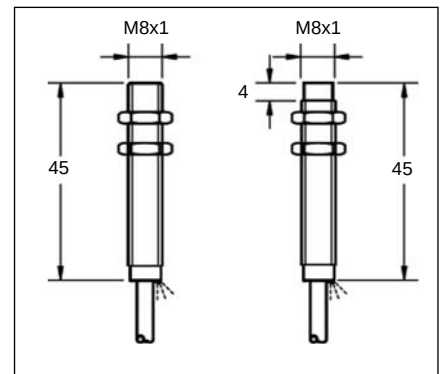
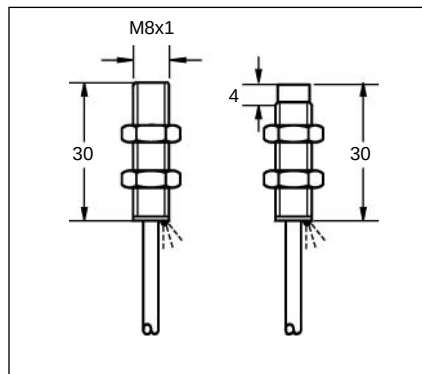
M8	
●	○
1 mm	2 mm
Stainless steel or Nickel plated brass	
●	

M8	
●	○
1 mm	2 mm
Stainless steel or Nickel plated brass	
●	

Picture



Dimensions (unit: mm)



Ripple
No Load Current
Max. Load current
Leakage Current
Voltage Drop
Switching Frequency
Response Time
Switching Hysteresis
Repeat Accuracy
Protection Category
Operating Temperature
Temperature Drift
Short Circuit Protection
Overload Trip Point
Material Active Face

<10%
<10mA
150mA
<0.01mA
<1.5V
2KHz
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +110°C
<10%(Sr)
Yes
220mA
PBT

<10%
<10mA
150mA
<0.01mA
<1.5V
2KHz
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +110°C
<10%(Sr)
Yes
220mA
PBT

Connecting type
Weight

2M PUR Cable (2.9 φ 3x0.15)
approx.40 g

2M PUR Cable (2.9 φ 3x0.15)
approx.53 g

DC 3 wire 10-30V NPN N.O.
DC 3 wire 10-30V NPN N.C.
DC 3 wire 10-30V PNP N.O.
DC 3 wire 10-30V PNP N.C.
DC 3 wire 10-55V NPN N.O.
DC 3 wire 10-55V NPN N.C.
DC 3 wire 10-55V PNP N.O.
DC 3 wire 10-55V PNP N.C.
DC 3 wire 5-36 V NPN N.O.
DC 3 wire 5-36 V NPN N.C.
DC 3 wire 5-36 V PNP N.O.
DC 3 wire 5-36 V PNP N.C.

ISS-M801N-A1US2/H	1*	ISN-M802N-A1US2/H
ISS-M801N-B1US2/H	2	ISN-M802N-B1US2/H
ISS-M801P-A1US2/H	3	ISN-M802P-A1US2/H
ISS-M801P-B1US2/H	4	ISN-M802P-B1US2/H

ISS-M801N-A1UN2/H	1*	ISN-M802N-A1UN2/H
ISS-M801N-B1UN2/H	2	ISN-M802N-B1UN2/H
ISS-M801P-A1UN2/H	3	ISN-M802P-A1UN2/H
ISS-M801P-B1UN2/H	4	ISN-M802P-B1UN2/H

* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 and Page 014.

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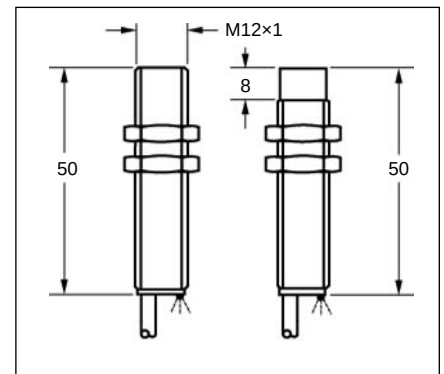
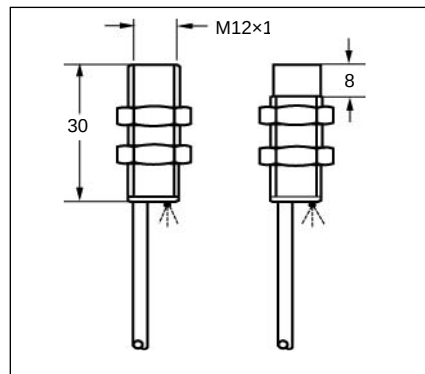
M12	
●	○
2 mm	4 mm
Nickel plated brass	
●	

M12	
●	○
2 mm	4 mm
Nickel plated brass	
●	

Picture



Dimensions (unit: mm)



Ripple
No Load Current
Max. Load current
Leakage Current
Voltage Drop
Switching Frequency
Response Time
Switching Hysteresis
Repeat Accuracy
Protection Category
Operating Temperature
Temperature Drift
Short Circuit Protection
Overload Trip Point
Material Active Face

<10%
<10mA
150mA
<0.01mA
<1.5V
2KHz 1KHz
0.1ms/0.1ms 0.2ms/0.2ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +110°C
<10%(Sr)
Yes
220mA
PBT

<10%
<10mA
150mA
<0.01mA
<1.5V
2KHz 1KHz
0.1ms/0.1ms 0.2ms/0.2ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +110°C
<10%(Sr)
Yes
220mA
PBT

Connecting type
Weight

2M PUR Cable (4.0 ϕ 3x0.25)
approx.60 g

2M PUR Cable (4.0 ϕ 3x0.25)
approx.65 g

DC 3 wire 10-30V NPN N.O.
DC 3 wire 10-30V NPN N.C.
DC 3 wire 10-30V PNP N.O.
DC 3 wire 10-30V PNP N.C.
DC 3 wire 10-55V NPN N.O.
DC 3 wire 10-55V NPN N.C.
DC 3 wire 10-55V PNP N.O.
DC 3 wire 10-55V PNP N.C.
DC 3 wire 5-36 V NPN N.O.
DC 3 wire 5-36 V NPN N.C.
DC 3 wire 5-36 V PNP N.O.
DC 3 wire 5-36 V PNP N.C.

IBS-M1202N-A1US2/T	1*	IBN-M1204N-A1US2/T
IBS-M1202N-B1US2/T	2	IBN-M1204N-B1US2/T
IBS-M1202P-A1US2/T	3	IBN-M1204P-A1US2/T
IBS-M1202P-B1US2/T	4	IBN-M1204P-B1US2/T

IBS-M1202N-A1UN2/T	1*	IBN-M1204N-A1UN2/T
IBS-M1202N-B1UN2/T	2	IBN-M1204N-B1UN2/T
IBS-M1202P-A1UN2/T	3	IBN-M1204P-A1UN2/T
IBS-M1202P-B1UN2/T	4	IBN-M1204P-B1UN2/T

* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 and Page 014.

HIGH TEMPERATURE INDUCTIVE PROXIMITY SENSOR (10-30VDC)

Diameter
● Shielded ○ non-Shielded
Switching Distance, Sn: mm
Housing Material
● With LED ○ Without LED

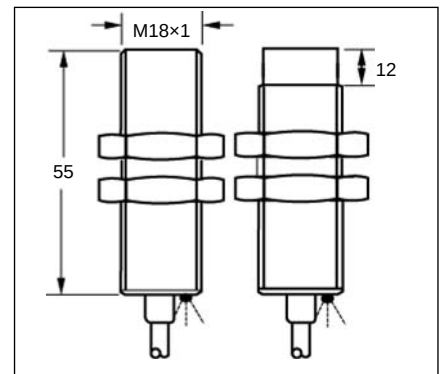
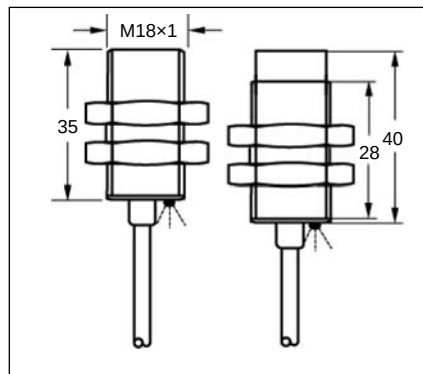
M18	
●	○
5 mm	8 mm
Nickel plated brass	
●	

M18	
●	○
5 mm	8 mm
Nickel plated brass	
●	

Picture



Dimensions (unit: mm)



Ripple	<10%
No Load Current	<10mA
Max. Load current	150mA
Leakage Current	<0.01mA
Voltage Drop	<1.5V
Switching Frequency	1KHz 500Hz
Response Time	0.2ms/0.2ms 0.5ms/0.5ms
Switching Hysteresis	<15%(Sr)
Repeat Accuracy	<1.0%(Sr)
Protection Category	IP67
Operating Temperature	-25℃- +110℃
Temperature Drift	<10%(Sr)
Short Circuit Protection	Yes
Overload Trip Point	220mA
Material Active Face	PBT

<10%
<10mA
150mA
<0.01mA
<1.5V
1KHz 500Hz
0.2ms/0.2ms 0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25℃- +110℃
<10%(Sr)
Yes
220mA
PBT

<10%
<10mA
150mA
<0.01mA
<1.5V
1KHz 500Hz
0.2ms/0.2ms 0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25℃- +110℃
<10%(Sr)
Yes
220mA
PBT

Connecting type
Weight

2M PUR Cable (5.0 ϕ 3x0.34)
approx.130 g

2M PUR Cable (5.0 ϕ 3x0.34)
approx.150 g

DC 3 wire 10-30V NPN N.O.
DC 3 wire 10-30V NPN N.C.
DC 3 wire 10-30V PNP N.O.
DC 3 wire 10-30V PNP N.C.
DC 3 wire 10-55V NPN N.O.
DC 3 wire 10-55V NPN N.C.
DC 3 wire 10-55V PNP N.O.
DC 3 wire 10-55V PNP N.C.
DC 3 wire 5-36 V NPN N.O.
DC 3 wire 5-36 V NPN N.C.
DC 3 wire 5-36 V PNP N.O.
DC 3 wire 5-36 V PNP N.C.

IBS-M1805N-A1US2/T	1*	IBN-M1808N-A1US2/T
IBS-M1805N-B1US2/T	2	IBN-M1808N-B1US2/T
IBS-M1805P-A1US2/T	3	IBN-M1808P-A1US2/T
IBS-M1805P-B1US2/T	4	IBN-M1808P-B1US2/T

IBS-M1805N-A1UN2/T	1*	IBN-M1808N-A1UN2/T
IBS-M1805N-B1UN2/T	2	IBN-M1808N-B1UN2/T
IBS-M1805P-A1UN2/T	3	IBN-M1808P-A1UN2/T
IBS-M1805P-B1UN2/T	4	IBN-M1808P-B1UN2/T

* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 and Page 014.

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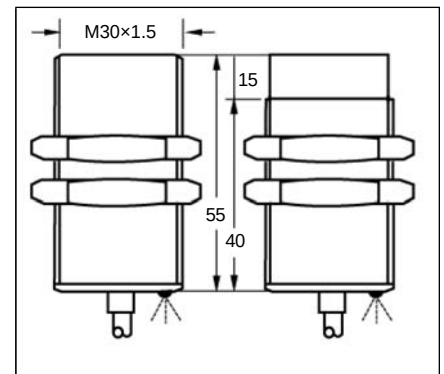
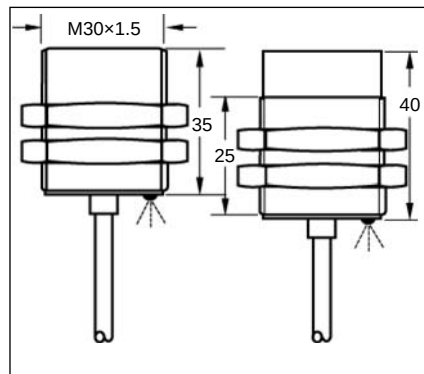
M30	
●	○
10 mm	15 mm
Nickel plated brass	
●	

M30	
●	○
10 mm	15 mm
Nickel plated brass	
●	

Picture



Dimensions (unit: mm)



Ripple
No Load Current
Max. Load current
Leakage Current
Voltage Drop
Switching Frequency
Response Time
Switching Hysteresis
Repeat Accuracy
Protection Category
Operating Temperature
Temperature Drift
Short Circuit Protection
Overload Trip Point
Material Active Face

<10%
<10mA
150mA
<0.01mA
<1.5V
300Hz 150Hz
0.5ms/0.5ms 1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +110°C
<10%(Sr)
Yes
220mA
PBT

<10%
<10mA
150mA
<0.01mA
<1.5V
300Hz 150Hz
0.5ms/0.5ms 1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +110°C
<10%(Sr)
Yes
220mA
PBT

Connecting type
Weight

2M PUR Cable (5.0 ϕ 3x0.34)
approx.182 g

2M PUR Cable (5.0 ϕ 3x0.34)
approx.215 g

DC 3 wire 10-30V NPN N.O.
DC 3 wire 10-30V NPN N.C.
DC 3 wire 10-30V PNP N.O.
DC 3 wire 10-30V PNP N.C.
DC 3 wire 10-55V NPN N.O.
DC 3 wire 10-55V NPN N.C.
DC 3 wire 10-55V PNP N.O.
DC 3 wire 10-55V PNP N.C.
DC 3 wire 5-36 V NPN N.O.
DC 3 wire 5-36 V NPN N.C.
DC 3 wire 5-36 V PNP N.O.
DC 3 wire 5-36 V PNP N.C.

IBS-M3010N-A1US2/T	1*	IBN-M3015N-A1US2/T
IBS-M3010N-B1US2/T	2	IBN-M3015N-B1US2/T
IBS-M3010P-A1US2/T	3	IBN-M3015P-A1US2/T
IBS-M3010P-B1US2/T	4	IBN-M3015P-B1US2/T

IBS-M3010N-A1UN2/T	1*	IBN-M3015N-A1UN2/T
IBS-M3010N-B1UN2/T	2	IBN-M3015N-B1UN2/T
IBS-M3010P-A1UN2/T	3	IBN-M3015P-A1UN2/T
IBS-M3010P-B1UN2/T	4	IBN-M3015P-B1UN2/T

* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 and Page 014.