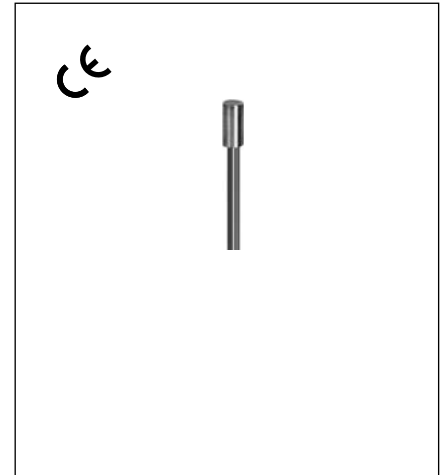
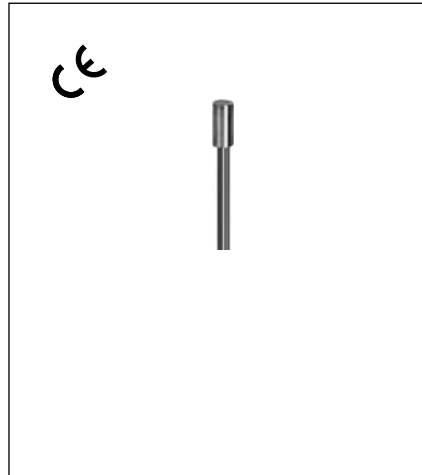
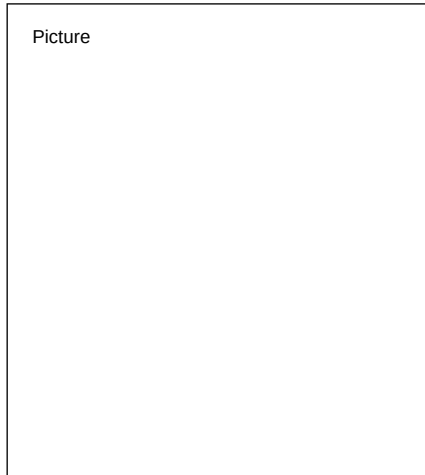


NAMUR INDUCTIVE PROXIMITY SENSOR (6-12VDC)

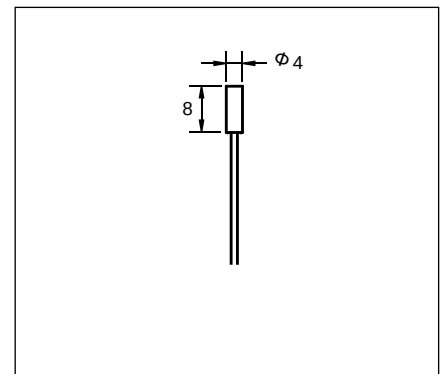
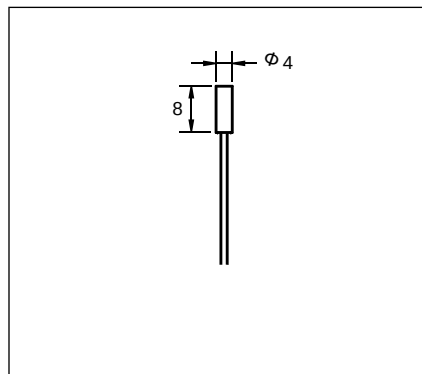
Diameter
● Shielded ○ non-Shielded
Switching Distance, Sn: mm
Housing Material
● With LED ○ Without LED

φ 4
●
0.6 mm
Stainless steel
○

φ 4
●
0.8 mm
Stainless steel
○



Dimensions (unit: mm)



Ripple
No Load Current
Switching Frequency
Response Time
Switching Hysteresis
Repeat Accuracy
Protection Category
Operating Temperature
Temperature Drift
Short Circuit Protection
Overload Trip Point
Time Delay Before Availability
EMC
Shock / Vibration
Material Active Face

-
>2.2mA(OFF) <1.1mA(ON)
2KHz
0.05ms/0.05ms
<15%(Sr)
-
IP67
-25°C- +70°C
<2%(Sr)
-
-
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part7.4.1 / IEC 60947-5-2, Part 7.4.2
POM

-
>2.2mA(OFF) <1.1mA(ON)
2KHz
0.05ms/0.05ms
<15%(Sr)
-
IP67
-25°C- +70°C
<2%(Sr)
-
-
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part7.4.1 / IEC 60947-5-2, Part 7.4.2
POM

Connecting type
Weight

1M Cable (1.0 φ x2)
approx.12 g

1M Cable (1.0 φ x2)
approx.12 g

NAMUR 6-12VDC

ISS-S40.6R-6VR1	19*

ISS-S40.8R-6VR1	19*

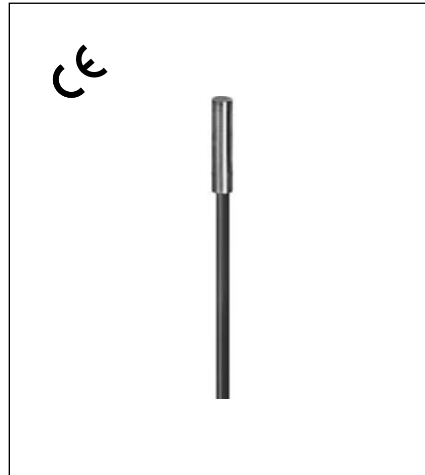
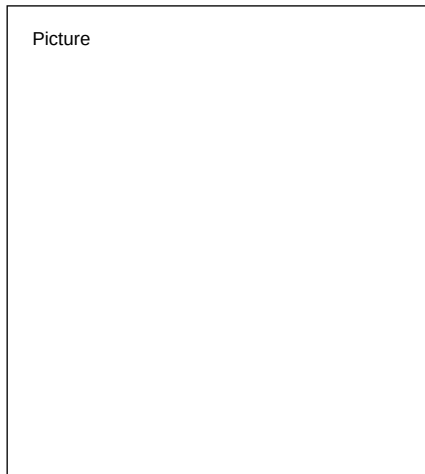
* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 to Page 015.

NAMUR INDUCTIVE PROXIMITY SENSOR (6-12VDC)

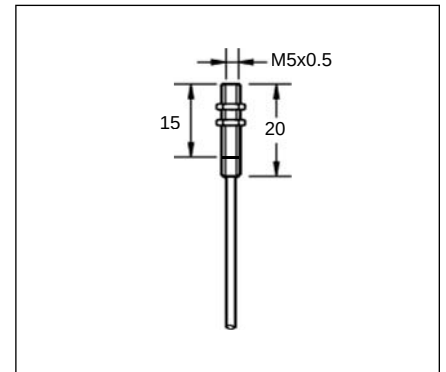
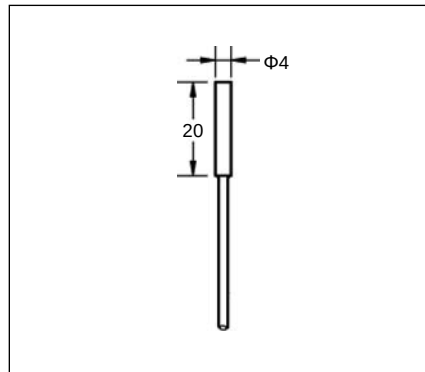
Diameter
● Shielded ○ non-Shielded
Switching Distance, Sn: mm
Housing Material
● With LED ○ Without LED

φ 4
●
1 mm
Stainless steel
○

M5
●
1 mm
Stainless steel
○



Dimensions (unit: mm)



Ripple
No Load Current
Switching Frequency
Response Time
Switching Hysteresis
Repeat Accuracy
Protection Category
Operating Temperature
Temperature Drift
Short Circuit Protection
Overload Trip Point
Time Delay Before Availability
EMC
Shock / Vibration
Material Active Face

-
>2.2mA(OFF) <1.1mA(ON)
2KHz
0.05ms/0.05ms
<15%(Sr)
-
IP67
-25°C - +70°C
<2%(Sr)
-
-
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2
POM

-
>2.2mA(OFF) <1.1mA(ON)
2KHz
0.05ms/0.05ms
<15%(Sr)
-
IP67
-25°C - +70°C
<2%(Sr)
-
-
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2
POM

Connecting type
Weight

2M Cable (2.6 φ 2x0.15)
approx.25 g

2M Cable (2.6 φ 2x0.15)
approx.25 g

NAMUR 6-12VDC

ISS-S401R-6VN2	19*

ISS-M501R-6VN2	19*

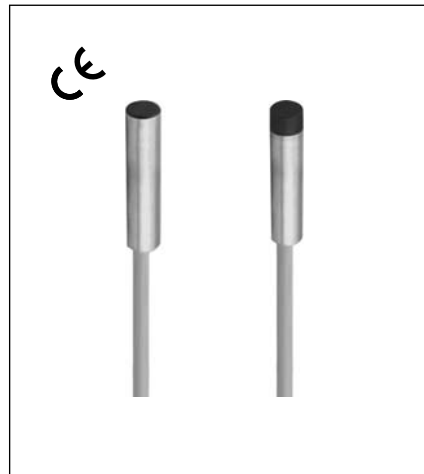
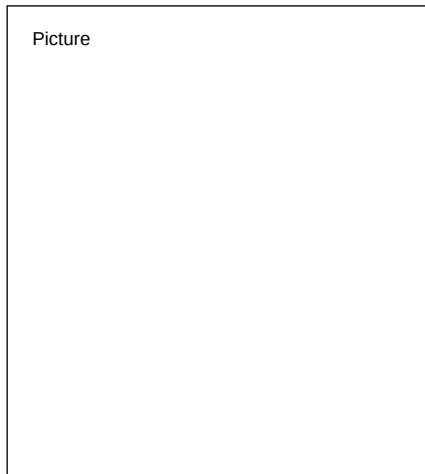
* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 to Page 015.

NAMUR INDUCTIVE PROXIMITY SENSOR (6-12VDC)

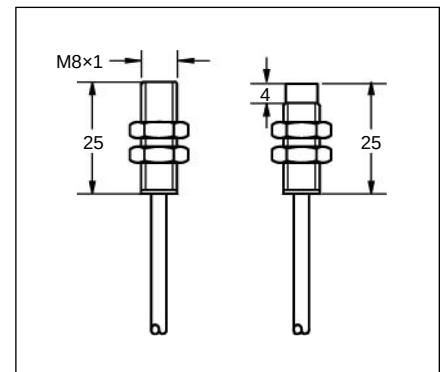
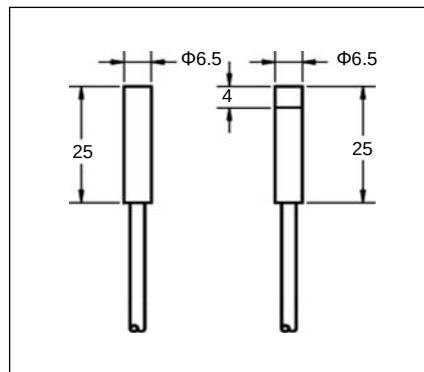
Diameter
● Shielded ○ non-Shielded
Switching Distance, Sn: mm
Housing Material
● With LED ○ Without LED

Ø 6.5	
●	○
1 mm	2 mm
Stainless steel	
○	

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



Dimensions (unit: mm)



Ripple
No Load Current
Switching Frequency
Response Time
Switching Hysteresis
Repeat Accuracy
Protection Category
Operating Temperature
Temperature Drift
Short Circuit Protection
Overload Trip Point
Time Delay Before Availability
EMC
Shock / Vibration
Material Active Face

-
>2.2mA(OFF) <1.1mA(ON)
2KHz 1KHz
0.05ms/0.05ms 0.1ms/0.1ms
<15%(Sr)
-
IP67
-25°C- +70°C
<2%(Sr)
-
-
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part7.4.1 / IEC 60947-5-2, Part 7.4.2
POM

-
>2.2mA(OFF) <1.1mA(ON)
2KHz 1KHz
0.05ms/0.052ms 0.1ms/0.1ms
<15%(Sr)
-
IP67
-25°C- +70°C
<2%(Sr)
-
-
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part7.4.1 / IEC 60947-5-2, Part 7.4.2
POM

Connecting type
Weight

2M Cable (2.9 Ø 2x0.15)
approx.30 g

2M Cable (2.9 Ø 2x0.15)
approx.34 g

NAMUR 6-12VDC

ISS-S6.501R-6VN2	19*	ISN-S6.502R-6VN2

IBS-M801R-6VN2	19*	IBN-M802R-6VN2

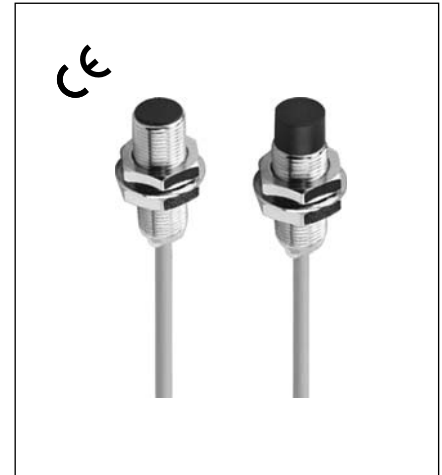
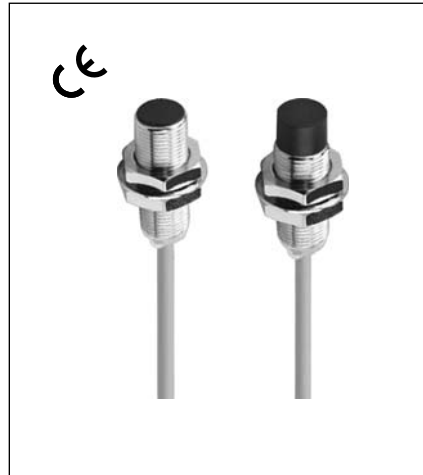
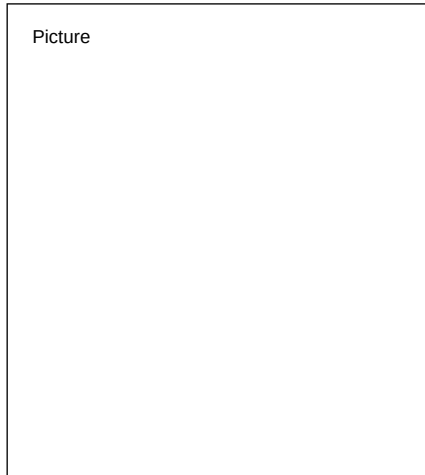
* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 to Page 015.

NAMUR INDUCTIVE PROXIMITY SENSOR (6-12VDC)

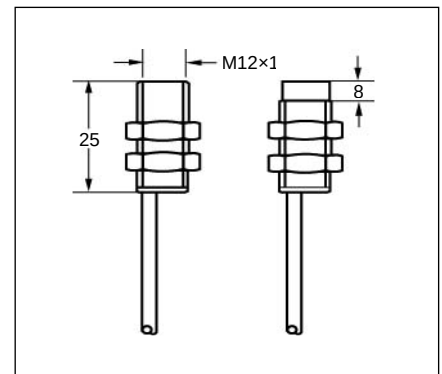
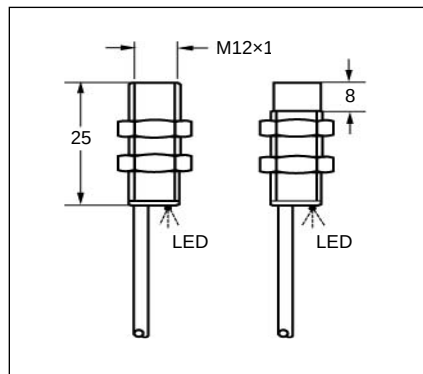
Diameter
● Shielded ○ non-Shielded
Switching Distance, Sn: mm
Housing Material
● With LED ○ Without LED

M12(with LED)	
●	○
2 mm	4 mm
Nickel plated brass	
●	

M12	
●	○
2 mm	4 mm
Nickel plated brass	
○	



Dimensions (unit: mm)



Ripple
No Load Current
Switching Frequency
Response Time
Switching Hysteresis
Repeat Accuracy
Protection Category
Operating Temperature
Temperature Drift
Short Circuit Protection
Overload Trip Point
Time Delay Before Availability
EMC
Shock / Vibration
Material Active Face

-
>2.2mA(OFF) <1.1mA(ON)
1KHz 500Hz
0.1ms/0.1ms 0.2ms/0.2ms
<15%(Sr)
-
IP67
-25°C- +70°C
<2%(Sr)
-
-
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part7.4.1 / IEC 60947-5-2, Part 7.4.2
PBT

-
>2.2mA(OFF) <1.1mA(ON)
1KHz 500Hz
0.1ms/0.1ms 0.2ms/0.2ms
<15%(Sr)
-
IP67
-25°C- +70°C
<2%(Sr)
-
-
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part7.4.1 / IEC 60947-5-2, Part 7.4.2
POM PBT

Connecting type
Weight

2M Cable (4.0 ∅ 2x0.34)
approx.45 g

2M Cable (4.0 ∅ 2x0.34)
approx.45 g

NAMUR 6-12VDC

IBS-M1202R-6VN2/LED	19*	IBN-M1204R-6VN2/LED

IBS-M1202R-6VN2	19*	IBN-M1204R-6VN2

* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 to Page 015.

NAMUR INDUCTIVE PROXIMITY SENSOR (6-12VDC)

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

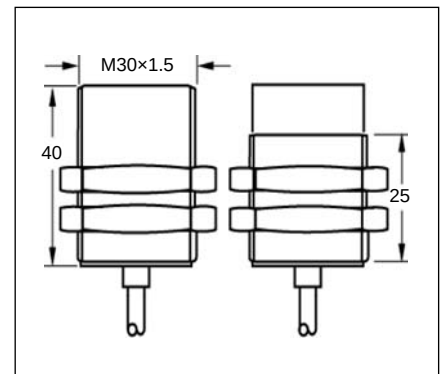
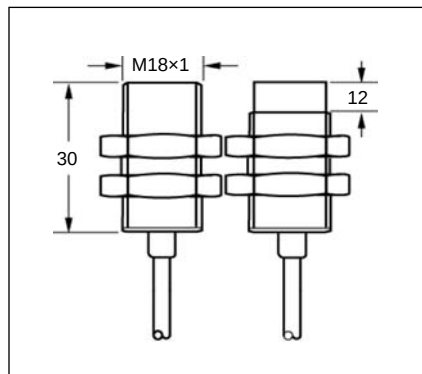
M18	
●	○
5 mm	8 mm
Nickel plated brass	
○	

M30	
●	○
10 mm	15 mm
Nickel plated brass	
○	

Picture



Dimensions (unit: mm)



Ripple
No Load Current
Switching Frequency
Response Time
Switching Hysteresis
Repeat Accuracy
Protection Category
Operating Temperature
Temperature Drift
Short Circuit Protection
Overload Trip Point
Time Delay Before Availability
EMC
Shock / Vibration
Material Active Face

-
>2.2mA(OFF) <1.1mA(ON)
2KHz 1KHz
0.2ms/0.2ms 0.5ms/0.5ms
<15%(Sr)
-
IP67
-25°C- +70°C
<2%(Sr)
-
-
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part7.4.1 / IEC 60947-5-2, Part 7.4.2
PBT

-
>2.2mA(OFF) <1.1mA(ON)
2KHz 1KHz
0.5ms/0.5ms 1ms/1ms
<15%(Sr)
-
IP67
-25°C- +70°C
<2%(Sr)
-
-
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2, Part7.4.1 / IEC 60947-5-2, Part 7.4.2
PBT

Connecting type
Weight

2M Cable (5.0 ϕ 2x0.5)
approx.125 g

2M Cable (5.0 ϕ 2x0.5)
approx.180 g

NAMUR 6-12VDC

IBS-M1805R-6VN2	19*	IBN-M1808R-6VN2

IBS-M3010R-6VN2	19*	IBN-M3015R-6VN2

* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 to Page 015.