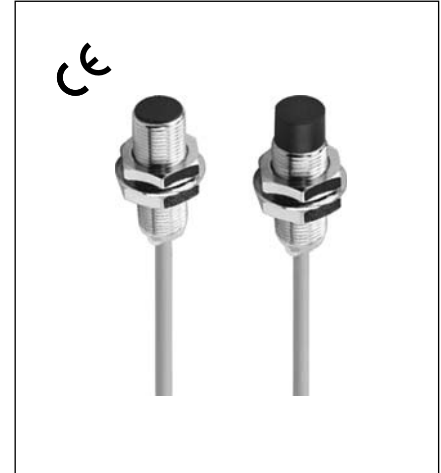
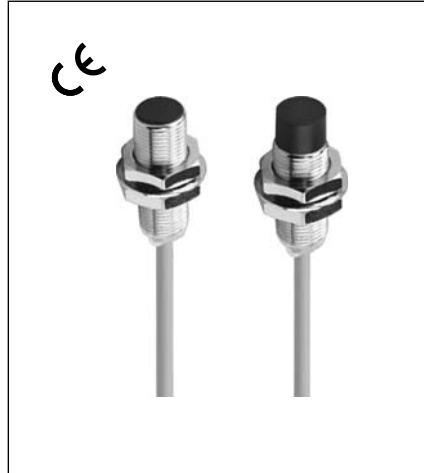
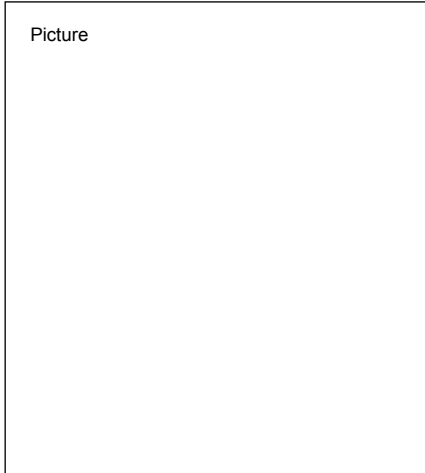


# NAMUR INDUCTIVE PROXIMITY SENSOR (6-12VDC)

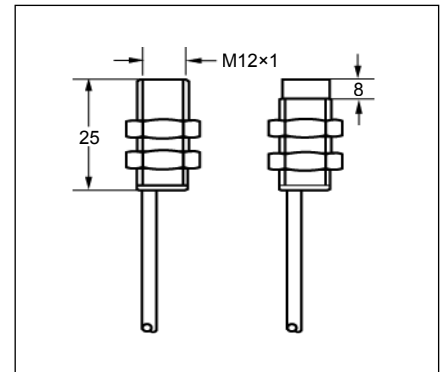
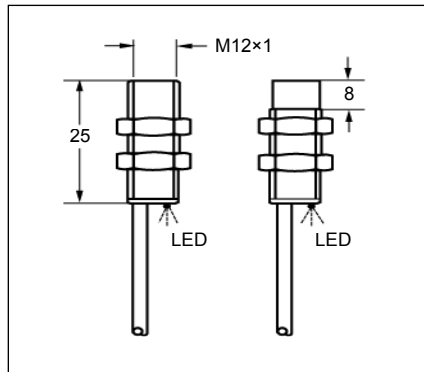
Diameter
● Shielded    ○ non-Shielded
Switching Distance, Sn: mm
Housing Material
● With LED    ○ Without LED

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	>2.2mA(OFF) <1.1mA(ON)
Switching Frequency	1KHz    500Hz
Response Time	0.1ms/0.1ms    0.2ms/0.2ms
Switching Hysteresis	<15%(Sr)
Repeat Accuracy	-
Protection Category	IP67
Operating Temperature	-25°C- +70°C
Temperature Drift	<2%(Sr)
Short Circuit Protection	-
Overload Trip Point	-
Time Delay Before Availability	<10ms
EMC	RFI>3V/m / EFT>1KV / ESD>4KV (contact)
Shock / Vibration	IEC 60947-5-2, Part7.4.1 / IEC 60947-5-2, Part 7.4.2
Material Active Face	PBT

Ripple	-
No Load Current	>2.2mA(OFF) <1.1mA(ON)
Switching Frequency	1KHz    500Hz
Response Time	0.1ms/0.1ms    0.2ms/0.2ms
Switching Hysteresis	<15%(Sr)
Repeat Accuracy	-
Protection Category	IP67
Operating Temperature	-25°C- +70°C
Temperature Drift	<2%(Sr)
Short Circuit Protection	-
Overload Trip Point	-
Time Delay Before Availability	<10ms
EMC	RFI>3V/m / EFT>1KV / ESD>4KV (contact)
Shock / Vibration	IEC 60947-5-2, Part7.4.1 / IEC 60947-5-2, Part 7.4.2
Material Active Face	POM    PBT

Ripple	-
No Load Current	>2.2mA(OFF) <1.1mA(ON)
Switching Frequency	1KHz    500Hz
Response Time	0.1ms/0.1ms    0.2ms/0.2ms
Switching Hysteresis	<15%(Sr)
Repeat Accuracy	-
Protection Category	IP67
Operating Temperature	-25°C- +70°C
Temperature Drift	<2%(Sr)
Short Circuit Protection	-
Overload Trip Point	-
Time Delay Before Availability	<10ms
EMC	RFI>3V/m / EFT>1KV / ESD>4KV (contact)
Shock / Vibration	IEC 60947-5-2, Part7.4.1 / IEC 60947-5-2, Part 7.4.2
Material Active Face	POM    PBT

Connecting type	2M Cable (4.0 φ 2x0.34)
Weight	approx.45 g

Connecting type	2M Cable (4.0 φ 2x0.34)
Weight	approx.45 g

Connecting type	2M Cable (4.0 φ 2x0.34)
Weight	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.