

HIGH PRESSURE INDUCTIVE PROXIMITY SENSOR (10-30VDC)

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

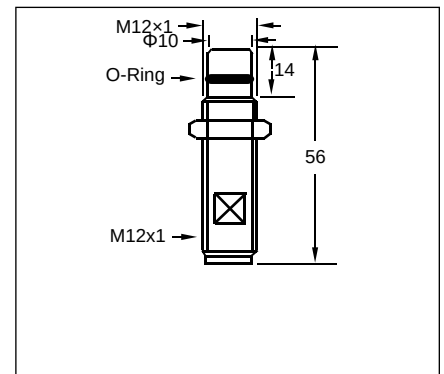
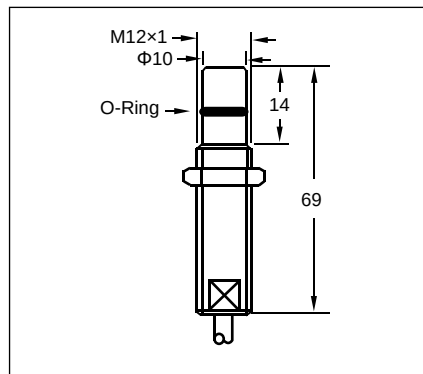
M12
●
1.5 mm
Stainless steel
○

M12
●
1.5 mm
Stainless steel
○

Picture



Dimensions (unit: mm)



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

<10%
<10mA
150mA
<0.01mA
<1.5V
600Hz
<15%(Sr)
<1.0%(Sr)
IP68
-25°C - +70°C
<10%(Sr)
Yes
180mA
ZrO ₂
500 bar

<10%
<10mA
150mA
<0.01mA
<1.5V
600Hz
<15%(Sr)
<1.0%(Sr)
IP68
-25°C - +70°C
<10%(Sr)
Yes
180mA
ZrO ₂
500 bar

Connecting type
Weight

2M Cable (3.0 ϕ 3x0.15)
approx.65 g

M12 connector
approx.45 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.

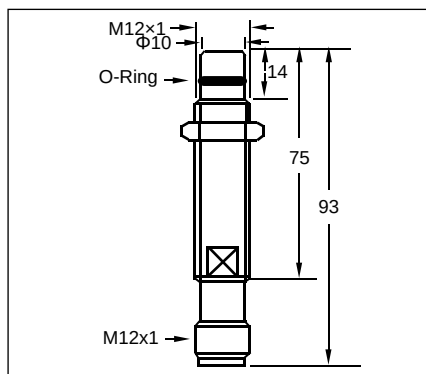
IHS-M121.5N-A1VN2/P	1*
IHS-M121.5N-B1VN2/P	2
IHS-M121.5P-A1VN2/P	3
IHS-M121.5P-B1VN2/P	4

IHS-M121.5N-A1ER4/P	1*
IHS-M121.5N-B1ER4/P	2
IHS-M121.5P-A1ER4/P	3
IHS-M121.5P-B1ER4/P	4

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

HIGH PRESSURE INDUCTIVE PROXIMITY SENSOR (10-30VDC)

M12
•
1.5 mm
Stainless steel
○

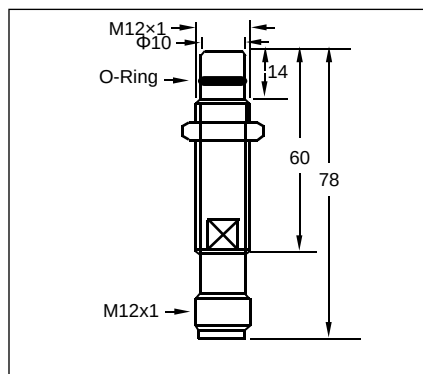


<10%
<10mA
150mA
<0.01mA
<1.5V
600Hz
<15%(Sr)
<1.0%(Sr)
IP68
-25°C - +70°C
<10%(Sr)
Yes
180mA
ZrO ₂
500 bar

M12 connector
approx.65 g

IHS-M121.5N-A1EL4/P	1*
IHS-M121.5N-B1EL4/P	2
IHS-M121.5P-A1EL4/P	3
IHS-M121.5P-B1EL4/P	4

M12
•
1.5 mm
Stainless steel
○

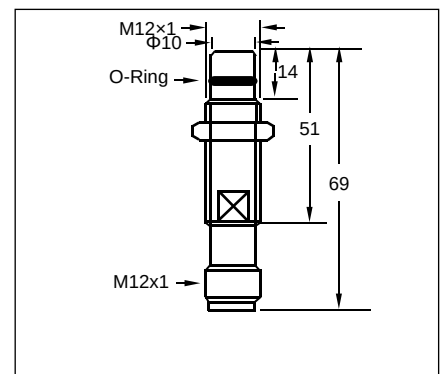


<10%
<10mA
150mA
<0.01mA
<1.5V
600Hz
<15%(Sr)
<1.0%(Sr)
IP68
-25°C - +70°C
<10%(Sr)
Yes
180mA
ZrO ₂
100 bar

M12 connector
approx.55 g

IHS-M121.5N-A1EN4/P	1*
IHS-M121.5N-B1EN4/P	2
IHS-M121.5P-A1EN4/P	3
IHS-M121.5P-B1EN4/P	4

M12
•
1.5 mm
Stainless steel
○



<10%
<10mA
150mA
<0.01mA
<1.5V
600Hz
<15%(Sr)
<1.0%(Sr)
IP68
-25°C - +70°C
<10%(Sr)
Yes
180mA
ZrO ₂
500 bar

M12 connector
approx.65 g

IHS-M121.5N-A1ES4/P	1*
IHS-M121.5N-B1ES4/P	2
IHS-M121.5P-A1ES4/P	3
IHS-M121.5P-B1ES4/P	4

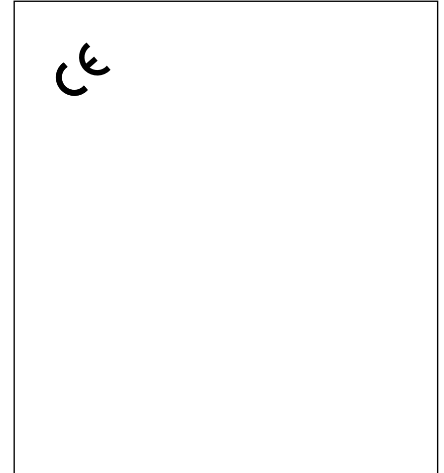
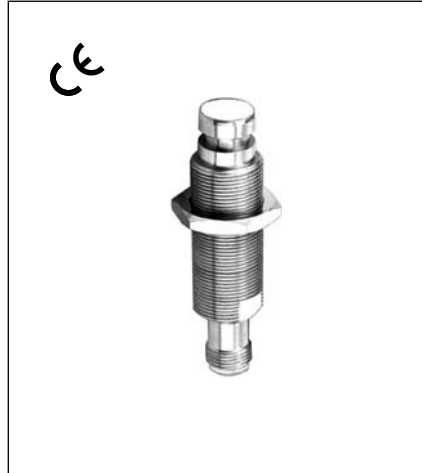
* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 to Page 015.

HIGH PRESSURE INDUCTIVE PROXIMITY SENSOR (10-30VDC)

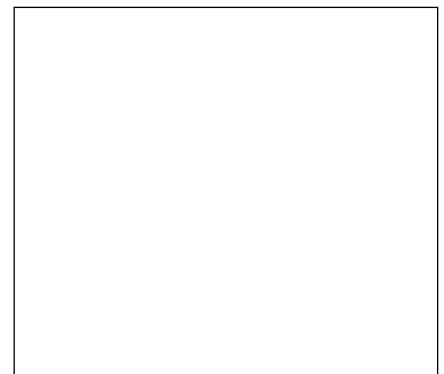
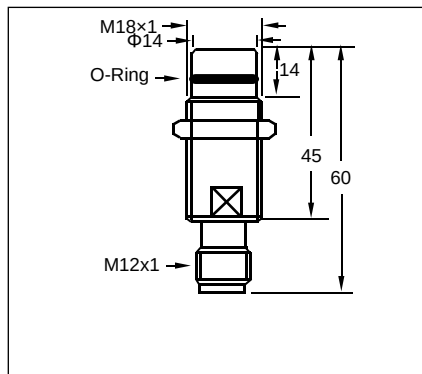
Diameter
● Shielded ○ non-Shielded
Switching Distance, Sn: mm
Housing Material
● With LED ○ Without LED

M18
●
2 mm
Stainless steel
○

Picture



Dimensions (unit: mm)



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

<10%
<10mA
150mA
<0.01mA
<1.5V
600Hz
<15%(Sr)
<1.0%(Sr)
IP68
-25℃ - +70℃
<10%(Sr)
Yes
180mA
ZrO ₂
500 bar

Connecting type
Weight

M12 connector
approx.95 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.

IHS-M1802N-A1EN4/P	1*
IHS-M1802N-B1EN4/P	2
IHS-M1802P-A1EN4/P	3
IHS-M1802P-B1EN4/P	4

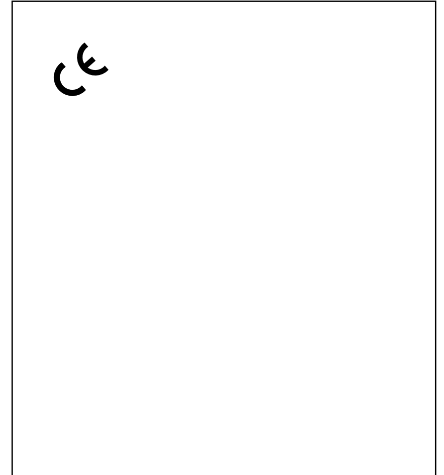
* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 to Page 015.

HIGH PRESSURE INDUCTIVE PROXIMITY SENSOR (10-30VDC)

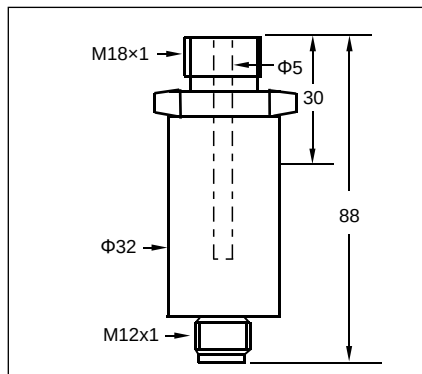
Diameter
● Shielded ○ non-Shielded
Switching Distance, Sn: mm
Housing Material
● With LED ○ Without LED

φ34
●
30 mm (Target: φ4.5)
Stainless steel
○

Picture



Dimensions (unit: mm)



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

<10%
<15mA
200mA
<0.01mA
<2V
100Hz
<15%(Sr)
<1.0%(Sr)
IP68
-25°C - +70°C
<10%(Sr)
Yes
220mA
ZrO ₂
500 bar

Connecting type
Weight

M12 connector
approx.210 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-S3230N-A1EN4/P	1*
ISS-S3230N-B1EN4/P	2
ISS-S3230P-A1EN4/P	3
ISS-S3230P-B1EN4/P	4

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