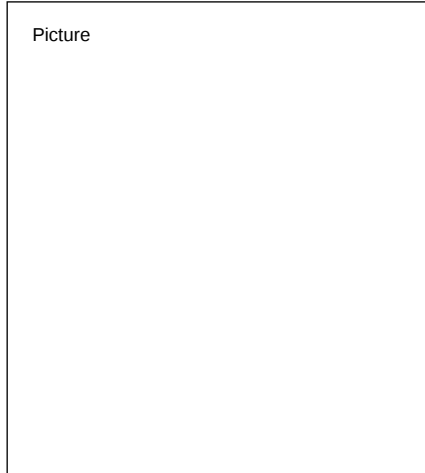


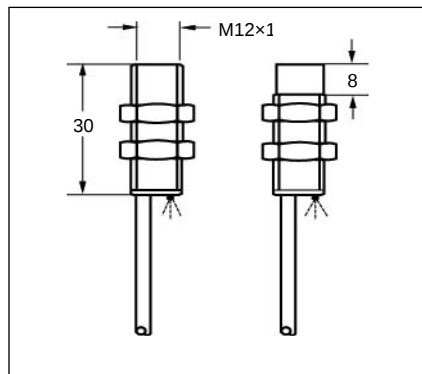
PLASTIC BARREL INDUCTIVE PROXIMITY SENSOR (10-30VDC/10-55VDC/5-36VDC)

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

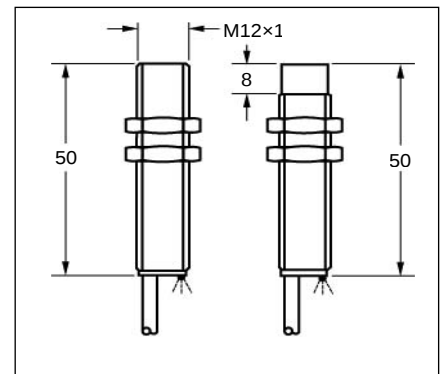


Dimensions (unit: mm)

M12	
●	○
2 mm	4 mm
PBT	
●	



M12	
●	○
2 mm	4 mm
PBT	
●	



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
200mA
<0.01mA
<1.5V
2KHz 1KHz
0.1ms/0.1ms 0.2ms/0.2ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
PBT

<10%
<10mA
200mA
<0.01mA
<1.5V
2KHz 1KHz
0.1ms/0.1ms 0.2ms/0.2ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
PBT

Connecting type
Weight

2M Cable (4.0 ϕ 3x0.25)
approx.50 g

2M 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.

IPS-M1202N-A1VS2	1*	IPN-M1204N-A1VS2
IPS-M1202N-B1VS2	2	IPN-M1204N-B1VS2
IPS-M1202P-A1VS2	3	IPN-M1204P-A1VS2
IPS-M1202P-B1VS2	4	IPN-M1204P-B1VS2

IPS-M1202N-A1VN2	1*	IPN-M1204N-A1VN2
IPS-M1202N-B1VN2	2	IPN-M1204N-B1VN2
IPS-M1202P-A1VN2	3	IPN-M1204P-A1VN2
IPS-M1202P-B1VN2	4	IPN-M1204P-B1VN2
IPS-M1202N-A3VN2	1	IPN-M1204N-A3VN2
IPS-M1202N-B3VN2	2	IPN-M1204N-B3VN2
IPS-M1202P-A3VN2	3	IPN-M1204P-A3VN2
IPS-M1202P-B3VN2	4	IPN-M1204P-B3VN2
IPS-M1202N-A2VN2	1	IPN-M1204N-A2VN2
IPS-M1202N-B2VN2	2	IPN-M1204N-B2VN2
IPS-M1202P-A2VN2	3	IPN-M1204P-A2VN2
IPS-M1202P-B2VN2	4	IPN-M1204P-B2VN2

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

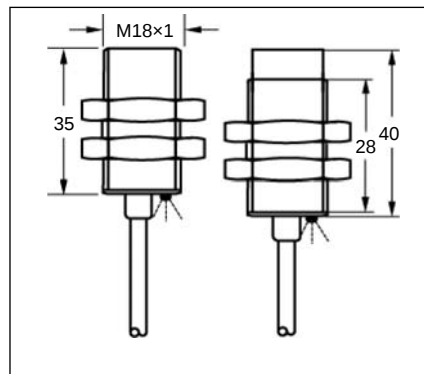
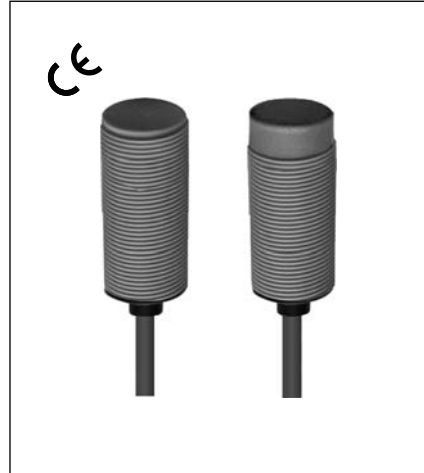
PLASTIC BARREL INDUCTIVE PROXIMITY SENSOR (10-30VDC/10-55VDC/5-36VDC)

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

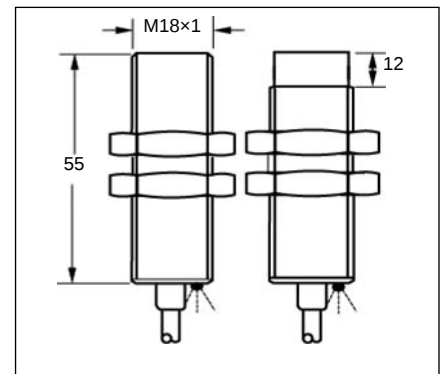
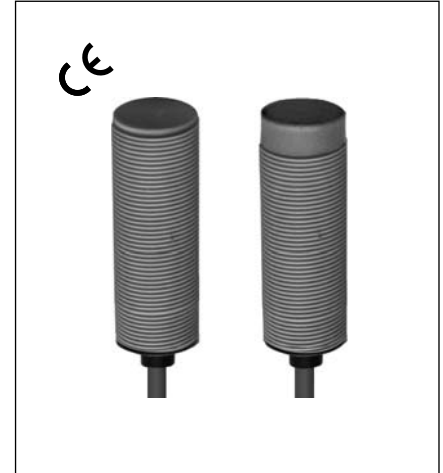
Picture

Dimensions (unit: mm)

M18	
●	○
5 mm	8 mm
PBT	
●	



M18	
●	○
5 mm	8 mm
PBT	
●	



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
200mA
<0.01mA
<1.5V
1KHz 500Hz
0.2ms/0.2ms 0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
PBT

<10%
<10mA
200mA
<0.01mA
<1.5V
1KHz 500Hz
0.2ms/0.2ms 0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
PBT

Connecting type
Weight

2M Cable (5.0 φ 3x0.34)
approx.125 g

2M Cable (5.0 φ 3x0.34)
approx.130 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.

IPS-M1805N-A1VS2	1*	IPN-M1808N-A1VS2
IPS-M1805N-B1VS2	2	IPN-M1808N-B1VS2
IPS-M1805P-A1VS2	3	IPN-M1808P-A1VS2
IPS-M1805P-B1VS2	4	IPN-M1808P-B1VS2
IPS-M1805N-A3VS2	1	IPN-M1808N-A3VS2
IPS-M1805N-B3VS2	2	IPN-M1808N-B3VS2
IPS-M1805P-A3VS2	3	IPN-M1808P-A3VS2
IPS-M1805P-B3VS2	4	IPN-M1808P-B3VS2
IPS-M1805N-A2VS2	1	IPN-M1808N-A2VS2
IPS-M1805N-B2VS2	2	IPN-M1808N-B2VS2
IPS-M1805P-A2VS2	3	IPN-M1808P-A2VS2
IPS-M1805P-B2VS2	4	IPN-M1808P-B2VS2

IPS-M1805N-A1VN2	1*	IPN-M1808N-A1VN2
IPS-M1805N-B1VN2	2	IPN-M1808N-B1VN2
IPS-M1805P-A1VN2	3	IPN-M1808P-A1VN2
IPS-M1805P-B1VN2	4	IPN-M1808P-B1VN2
IPS-M1805N-A3VN2	1	IPN-M1808N-A3VN2
IPS-M1805N-B3VN2	2	IPN-M1808N-B3VN2
IPS-M1805P-A3VN2	3	IPN-M1808P-A3VN2
IPS-M1805P-B3VN2	4	IPN-M1808P-B3VN2
IPS-M1805N-A2VN2	1	IPN-M1808N-A2VN2
IPS-M1805N-B2VN2	2	IPN-M1808N-B2VN2
IPS-M1805P-A2VN2	3	IPN-M1808P-A2VN2
IPS-M1805P-B2VN2	4	IPN-M1808P-B2VN2

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

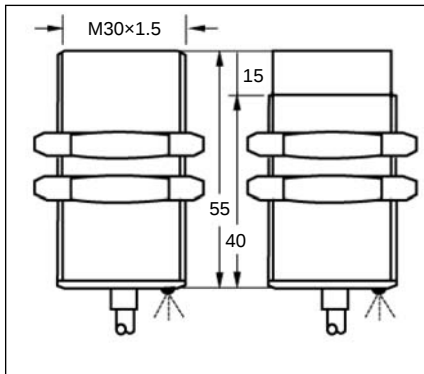
PLASTIC BARREL INDUCTIVE PROXIMITY SENSOR (10-30VDC/10-55VDC/5-36VDC)

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

M30	
● 10 mm	○ 15 mm
PBT	
●	



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	
200mA	
<0.01mA	
<1.5V	
300Hz	150Hz
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25℃ - +70℃	
<10%(Sr)	
Yes	
220mA	
PBT	

[illegible]

Connecting type
Weight

2M Cable (5.0 ϕ 3x0.34)
approx.200 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.

IPS-M3010N-A1VN2	1*	IPN-M3015N-A1VN2
IPS-M3010N-B1VN2	2	IPN-M3015N-B1VN2
IPS-M3010P-A1VN2	3	IPN-M3015P-A1VN2
IPS-M3010P-B1VN2	4	IPN-M3015P-B1VN2
IPS-M3010N-A3VN2	1	IPN-M3015N-A3VN2
IPS-M3010N-B3VN2	2	IPN-M3015N-B3VN2
IPS-M3010P-A3VN2	3	IPN-M3015P-A3VN2
IPS-M3010P-B3VN2	4	IPN-M3015P-B3VN2
IPS-M3010N-A2VN2	1	IPN-M3015N-A2VN2
IPS-M3010N-B2VN2	2	IPN-M3015N-B2VN2
IPS-M3010P-A2VN2	3	IPN-M3015P-A2VN2
IPS-M3010P-B2VN2	4	IPN-M3015P-B2VN2

[illegible]

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