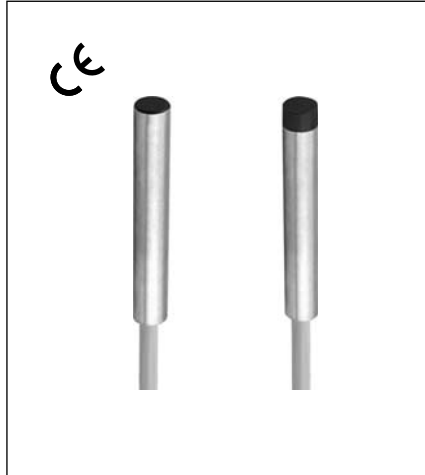
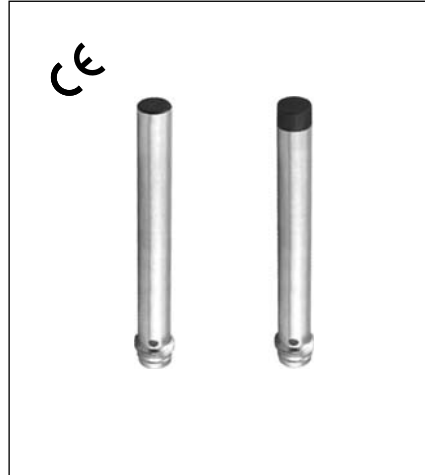


INDUCTIVE PROXIMITY SENSOR DC 2WIRE/4WIRE (10-60VDC/10-30VDC/5-36VDC)

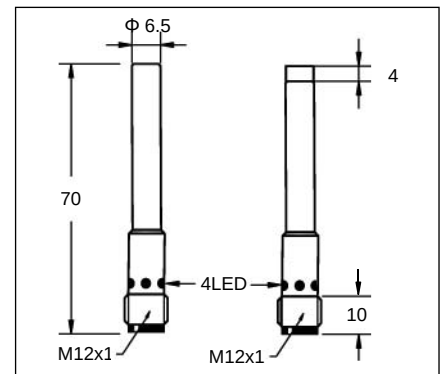
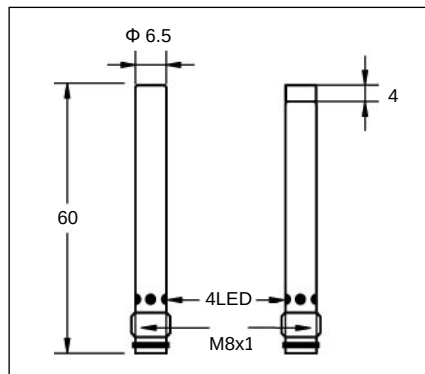
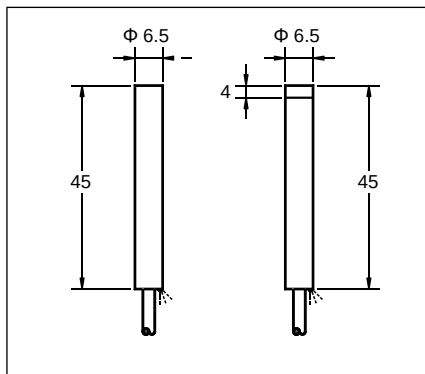
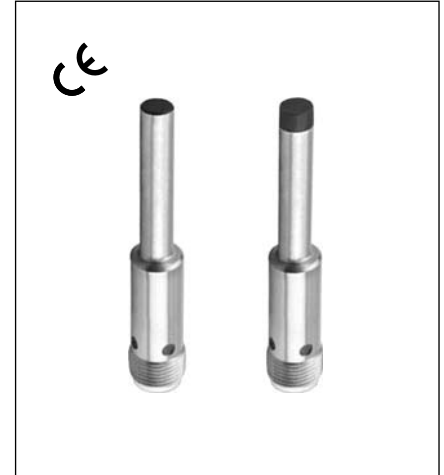
Ø 6.5	
●	○
1 mm	2 mm
Stainless steel	



Ø 6.5	
●	○
1 mm	2 mm
Stainless steel	



Ø 6.5	
●	○
1 mm	2 mm
Stainless steel	



<10%
<10mA
200mA
<0.01mA
<4.5V
2KHz
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
POM

2M Cable (2.9 Ø 2x0.15 or 4x0.15)
approx.36 g

<10%
<10mA
200mA
<0.01mA
<4.5V
2KHz
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
POM

M8 connector
approx.15 g

<10%
<10mA
200mA
<0.01mA
<4.5V
2KHz
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
POM

M12 connector
approx.23 g

ISS-S6.501C-A4VN2	7*	ISS-S6.502C-A4VN2
ISS-S6.501C-B4VN2	8	ISS-S6.502C-B4VN2
ISS-S6.501P-C1VN2	6	ISS-S6.502P-C1VN2
ISS-S6.501N-C1VN2	5	ISS-S6.502N-C1VN2
ISS-S6.501P-C2VN2	6	ISS-S6.502P-C2VN2
ISS-S6.501N-C2VN2	5	ISS-S6.502N-C2VN2

ISS-S6.501C-A4PN3	7*	ISS-S6.502C-A4PN3
ISS-S6.501C-B4PN3	8	ISS-S6.502C-B4PN3
ISS-S6.501P-C1PN4	6	ISS-S6.502P-C1PN4
ISS-S6.501N-C1PN4	5	ISS-S6.502N-C1PN4
ISS-S6.501P-C2PN4	6	ISS-S6.502P-C2PN4
ISS-S6.501N-C2PN4	5	ISS-S6.502N-C2PN4

ISS-S6.501C-A4EN4	7*	ISS-S6.502C-A4EN4
ISS-S6.501C-B4EN4	8	ISS-S6.502C-B4EN4
ISS-S6.501P-C1EN4	6	ISS-S6.502P-C1EN4
ISS-S6.501N-C1EN4	5	ISS-S6.502N-C1EN4
ISS-S6.501P-C2EN4	6	ISS-S6.502P-C2EN4
ISS-S6.501N-C2EN4	5	ISS-S6.502N-C2EN4

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

INDUCTIVE PROXIMITY SENSOR DC 2WIRE/4WIRE (10-60VDC/10-30VDC/5-36VDC)

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

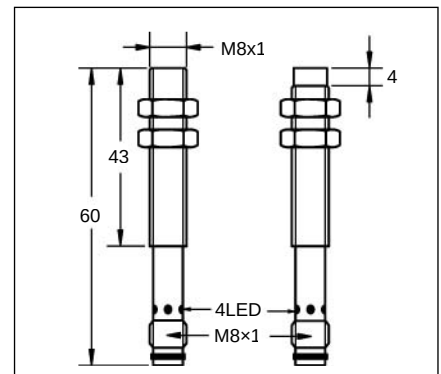
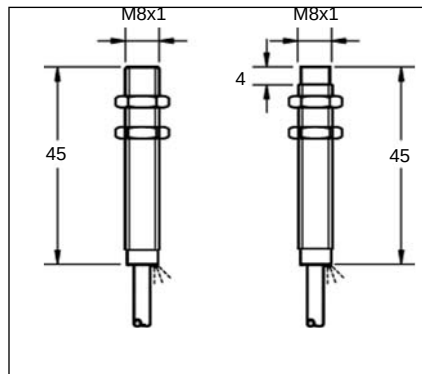
M8	
●	○
1 mm	2 mm
Stainless steel or Nickel plated brass	
●	

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
200mA
<0.01mA
<4.5V
2KHz
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
POM

<10%
<10mA
200mA
<0.01mA
<4.5V
2KHz
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
POM

Connecting type
Weight

2M Cable (2.9 ϕ 2x0.15 or 4x0.15)
approx.40 g

M8 connector
approx.18 g

DC 2 wire 10-60V N.O.
DC 2 wire 10-60V N.C.
DC 4 wire 10-30V PNP (N.O.+N.C.)
DC 4 wire 10-30V NPN (N.O.+N.C.)
DC 4 wire 5-36V PNP (N.O.+N.C.)
DC 4 wire 5-36V NPN (N.O.+N.C.)

ISS-M801C-A4VN2	7*	ISN-M802C-A4VN2
ISS-M801C-B4VN2	8	ISN-M802C-B4VN2
ISS-M801P-C1VN2	6	ISN-M802P-C1VN2
ISS-M801N-C1VN2	5	ISN-M802N-C1VN2
ISS-M801P-C2VN2	6	ISN-M802P-C2VN2
ISS-M801N-C2VN2	5	ISN-M802N-C2VN2

ISS-M801C-A4PN3	7*	ISN-M802C-A4PN3
ISS-M801C-B4PN3	8	ISN-M802C-B4PN3
ISS-M801P-C1PN4	6	ISN-M802P-C1PN4
ISS-M801N-C1PN4	5	ISN-M802N-C1PN4
ISS-M801P-C2PN4	6	ISN-M802P-C2PN4
ISS-M801N-C2PN4	5	ISN-M802N-C2PN4

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

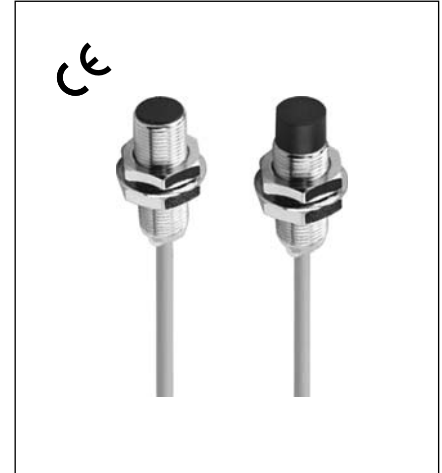
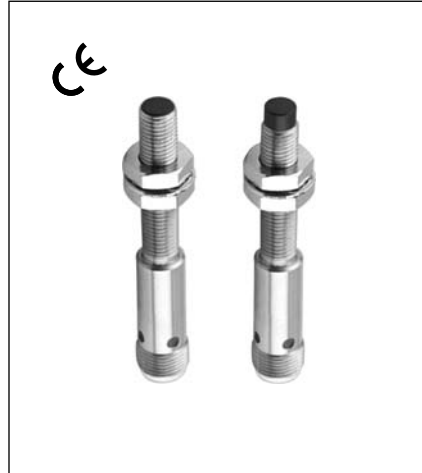
INDUCTIVE PROXIMITY SENSOR DC 2WIRE/4WIRE (10-60VDC/10-30VDC/5-36VDC)

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

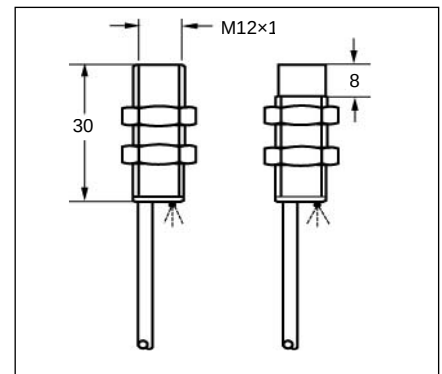
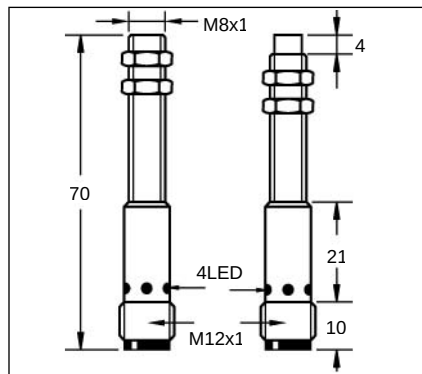
M8	
●	○
1 mm	2 mm
Stainless steel or Nickel plated brass	
●	

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
200mA
<0.01mA
<4.5V
2KHz
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
POM

<10%
<10mA
200mA
<0.01mA
<4.5V
2KHz
1KHz
0.1ms/0.1ms
0.2ms/0.2ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
POM
PBT

Connecting type
Weight

M12 connector
approx.25 g

2M Cable (4.0 ϕ 2x0.34)
approx.60 g

DC 2 wire 10-60V N.O.
DC 2 wire 10-60V N.C.
DC 4 wire 10-30V PNP (N.O.+N.C.)
DC 4 wire 10-30V NPN (N.O.+N.C.)
DC 4 wire 5-36V PNP (N.O.+N.C.)
DC 4 wire 5-36V NPN (N.O.+N.C.)

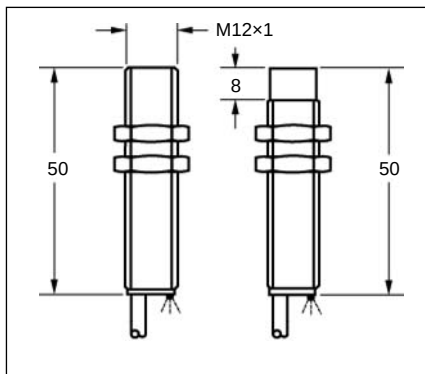
IBS-M801C-A4EN4	7*	IBN-M802C-A4EN4
IBS-M801C-B4EN4	8	IBN-M802C-B4EN4
IBS-M801P-C1EN4	6	IBN-M802P-C1EN4
IBS-M801N-C1EN4	5	IBN-M802N-C1EN4
IBS-M801P-C2EN4	6	IBN-M802P-C2EN4
IBS-M801N-C2EN4	5	IBN-M802N-C2EN4

IBS-M1202C-A4VS2	7*	IBN-M1204C-A4VS2
IBS-M1202C-B4VS2	8	IBN-M1204C-B4VS2

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

INDUCTIVE PROXIMITY SENSOR DC 2WIRE/4WIRE (10-60VDC/10-30VDC/5-36VDC)

M12	
●	○
2 mm	4 mm
Nickel plated brass	

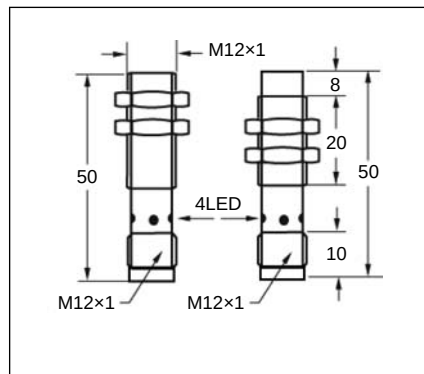


<10%	
<10mA	
200mA	
<0.01mA	
<4.5V	
2KHz	1KHz
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25℃ - +70℃	
<10%(Sr)	
Yes	
220mA	
POM	PBT

2M Cable (4.0 Ø 2x0.34 or 4x0.15)
approx.65 g

IBS-M1202C-A4VN2	7*	IBN-M1204C-A4VN2
IBS-M1202C-B4VN2	8	IBN-M1204C-B4VN2
IBS-M1202P-C1VN2	6	IBN-M1204P-C1VN2
IBS-M1202N-C1VN2	5	IBN-M1204N-C1VN2
IBS-M1202P-C2VN2	6	IBN-M1204P-C2VN2
IBS-M1202N-C2VN2	5	IBN-M1204N-C2VN2

M12	
●	○
2 mm	4 mm
Nickel plated brass	

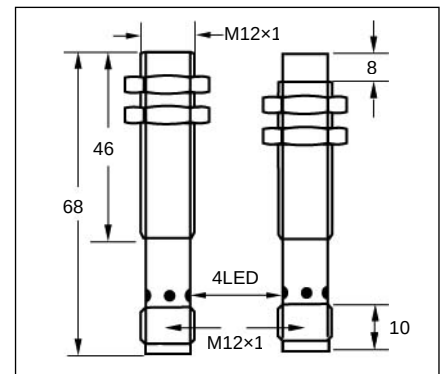


<10%	
<10mA	
200mA	
<0.01mA	
<4.5V	
2KHz	1KHz
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
POM	PBT

M12 connector
approx.25 g

IBS-M1202C-A4ES4	7*	IBN-M1204C-A4ES4
IBS-M1202C-B4ES4	8	IBN-M1204C-B4ES4

M12	
●	○
2 mm	4 mm
Nickel plated brass	



<10%	
<10mA	
200mA	
<0.01mA	
<4.5V	
2KHz	1KHz
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25℃- +70℃	
<10%(Sr)	
Yes	
220mA	
POM	PBT

M12 connector
approx.35 g

IBS-M1202C-A4EN4	7*	IBN-M1204C-A4EN4
IBS-M1202C-B4EN4	8	IBN-M1204C-B4EN4
IBS-M1202P-C1EN4	6	IBN-M1204P-C1EN4
IBS-M1202N-C1EN4	5	IBN-M1204N-C1EN4
IBS-M1202P-C2EN4	6	IBN-M1204P-C2EN4
IBS-M1202N-C2EN4	5	IBN-M1204N-C2EN4

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

INDUCTIVE PROXIMITY SENSOR DC 2WIRE/4WIRE (10-60VDC/10-30VDC/5-36VDC)

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

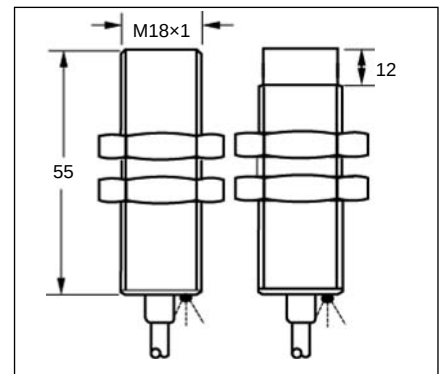
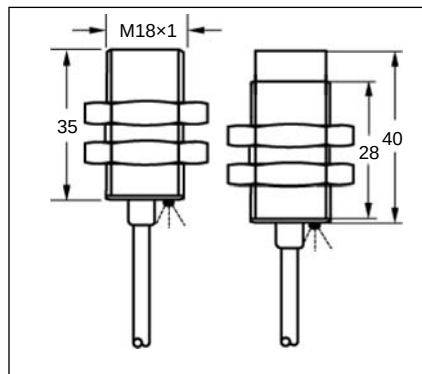
M18	
●	○
5 mm	8 mm
Nickel plated brass	
●	

M18	
●	○
5 mm	8 mm
Nickel plated brass	
●	

Picture



Dimensions (unit: mm)



Ripple
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
<4.5V
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
<4.5V
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 2x0.5 or 4x0.25)
approx.135 g

2M Cable (5.0 φ 2x0.5 or 4x0.25)
approx.150 g

DC 2 wire 10-60V N.O.
DC 2 wire 10-60V N.C.
DC 4 wire 10-30V PNP (N.O.+N.C.)
DC 4 wire 10-30V NPN (N.O.+N.C.)
DC 4 wire 5-36V PNP (N.O.+N.C.)
DC 4 wire 5-36V NPN (N.O.+N.C.)

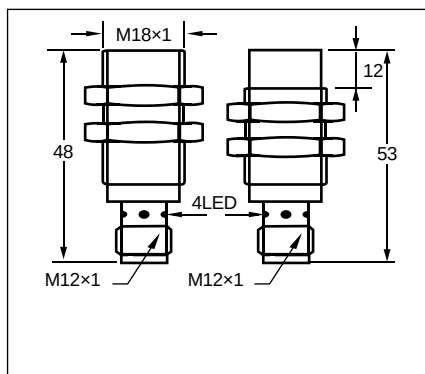
IBS-M1805C-A4VS2	7*	ISN-M1808C-A4VS2
IBS-M1805C-B4VS2	8	ISN-M1808C-B4VS2
IBS-M1805P-C1VS2	6	ISN-M1808P-C1VS2
IBS-M1805N-C1VS2	5	ISN-M1808N-C1VS2
IBS-M1805P-C2VS2	6	ISN-M1808P-C2VS2
IBS-M1805N-C2VS2	5	ISN-M1808N-C2VS2

IBS-M1805C-A4VN2	7*	ISN-M1808C-A4VN2
IBS-M1805C-B4VN2	8	ISN-M1808C-B4VN2
IBS-M1805P-C1VN2	6	ISN-M1808P-C1VN2
IBS-M1805N-C1VN2	5	ISN-M1808N-C1VN2
IBS-M1805P-C2VN2	6	ISN-M1808P-C2VN2
IBS-M1805N-C2VN2	5	ISN-M1808N-C2VN2

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

INDUCTIVE PROXIMITY SENSOR DC 2WIRE/4WIRE (10-60VDC/10-30VDC/5-36VDC)

M18	
●	○
5 mm	8 mm
Nickel plated brass	

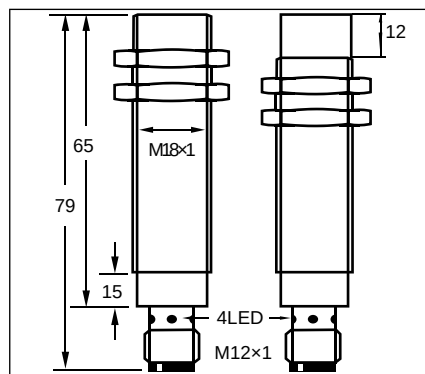


<10%	
<10mA	
200mA	
<0.01mA	
<4.5V	
1KHz	500Hz
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25℃ - +70℃	
<10%(Sr)	
Yes	
220mA	
PBT	

M12 connector
approx.52 g

IBS-M1805C-A4ES4	7*	IBN-M1808C-A4ES4
IBS-M1805C-B4ES4	8	IBN-M1808C-B4ES4
IBS-M1805P-C1ES4	6	IBN-M1808P-C1ES4
IBS-M1805N-C1ES4	5	IBN-M1808N-C1ES4
IBS-M1805P-C2ES4	6	IBN-M1808P-C2ES4
IBS-M1805N-C2ES4	5	IBN-M1808N-C2ES4

M18	
●	○
5 mm	8 mm
Nickel plated brass	

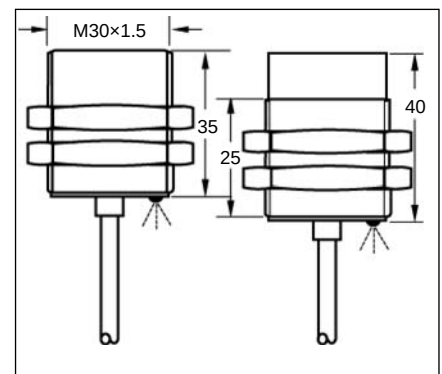


<10%	
<10mA	
200mA	
<0.01mA	
<4.5V	
1KHz	500Hz
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25℃ - +70℃	
<10%(Sr)	
Yes	
220mA	
PBT	

M12 connector
approx.95 g

IBS-M1805C-A4EN4	7*	IBN-M1808C-A4EN4
IBS-M1805C-B4EN4	8	IBN-M1808C-B4EN4
IBS-M1805P-C1EN4	6	IBN-M1808P-C1EN4
IBS-M1805N-C1EN4	5	IBN-M1808N-C1EN4
IBS-M1805P-C2EN4	6	IBN-M1808P-C2EN4
IBS-M1805N-C2EN4	5	IBN-M1808N-C2EN4

M30	
●	○
10 mm	15 mm
Nickel plated brass	



<10%	
<10mA	
200mA	
<0.01mA	
<4.5V	
300Hz	150Hz
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25℃ - +70℃	
<10%(Sr)	
Yes	
220mA	
PBT	

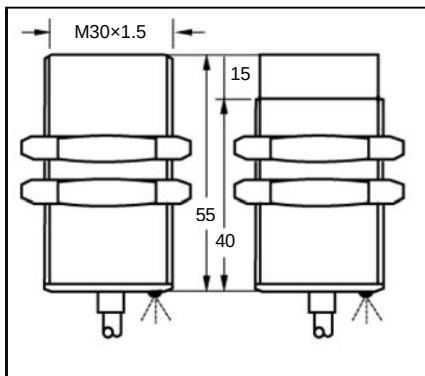
2M Cable (5.0 φ 2x0.5 or 4x0.25)
approx.182 g

IBS-M3010C-A4VS2	7*	IBN-M3015C-A4VS2
IBS-M3010C-B4VS2	8	IBN-M3015C-B4VS2
IBS-M3010P-C1VS2	6	IBN-M3015P-C1VS2
IBS-M3010N-C1VS2	5	IBN-M3015N-C1VS2
IBS-M3010P-C2VS2	6	IBN-M3015P-C2VS2
IBS-M3010N-C2VS2	5	IBN-M3015N-C2VS2

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

INDUCTIVE PROXIMITY SENSOR DC 2WIRE/4WIRE (10-60VDC/10-30VDC/5-36VDC)

M30	
●	○
10 mm	15 mm
Nickel plated brass	
● With LED	○ Without LED

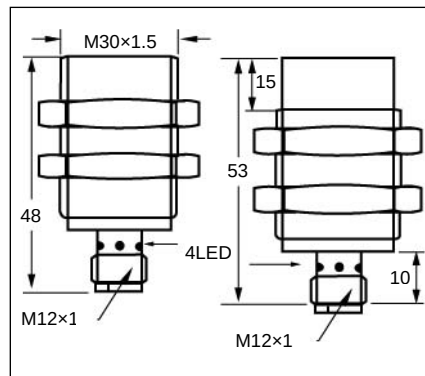


<10%
<10mA
200mA
<0.01mA
<4.5V
300Hz
150Hz
0.5ms/0.5ms
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
PBT

2M Cable (5.0 ∅ 2x0.5 or 4x0.25)
approx.215 g

IBS-M3010C-A4VN2	7*	ISN-M3015C-A4VN2
IBS-M3010C-B4VN2	8	ISN-M3015C-B4VN2
IBS-M3010P-C1VN2	6	ISN-M3015P-C1VN2
IBS-M3010N-C1VN2	5	ISN-M3015N-C1VN2
IBS-M3010P-C2VN2	6	ISN-M3015P-C2VN2
IBS-M3010N-C2VN2	5	ISN-M3015N-C2VN2

M30	
●	○
10 mm	15 mm
Nickel plated brass	
●	○

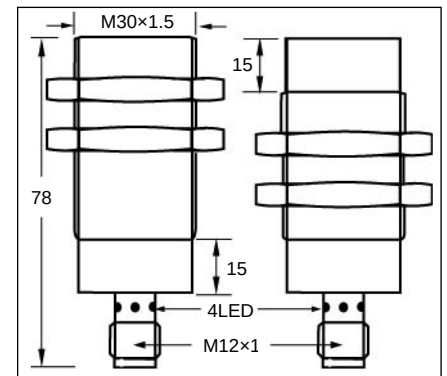


<10%
<10mA
200mA
<0.01mA
<4.5V
300Hz
150Hz
0.5ms/0.5ms
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
PBT

M12 connector
approx.120 g

IBS-M3010C-A4ES4	7*	ISN-M3015C-A4ES4
IBS-M3010C-B4ES4	8	ISN-M3015C-B4ES4
IBS-M3010P-C1ES4	6	ISN-M3015P-C1ES4
IBS-M3010N-C1ES4	5	ISN-M3015N-C1ES4
IBS-M3010P-C2ES4	6	ISN-M3015P-C2ES4
IBS-M3010N-C2ES4	5	ISN-M3015N-C2ES4

M30	
●	○
10 mm	15 mm
Nickel plated brass	
●	○



<10%
<10mA
200mA
<0.01mA
<4.5V
300Hz
150Hz
0.5ms/0.5ms
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
PBT

M12 connector
approx.185 g

IBS-M3010C-A4EN4	7*	IBN-M3015C-A4EN4
IBS-M3010C-B4EN4	8	IBN-M3015C-B4EN4
IBS-M3010P-C1EN4	6	IBN-M3015P-C1EN4
IBS-M3010N-C1EN4	5	IBN-M3015N-C1EN4
IBS-M3010P-C2EN4	6	IBN-M3015P-C2EN4
IBS-M3010N-C2EN4	5	IBN-M3015N-C2EN4

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