

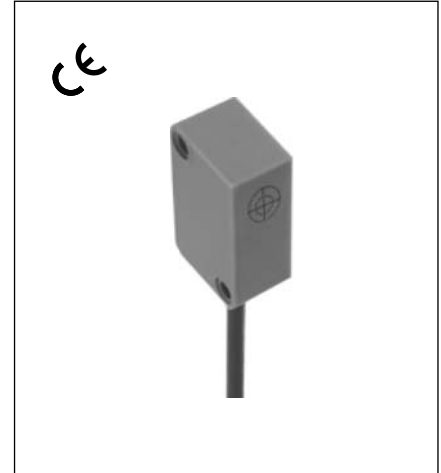
PLASTIC SQUARE INDUCTIVE PROXIMITY SENSOR (10-30VDC/10-55VDC/5-36VDC)

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

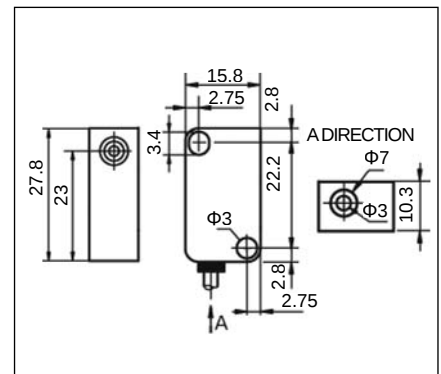
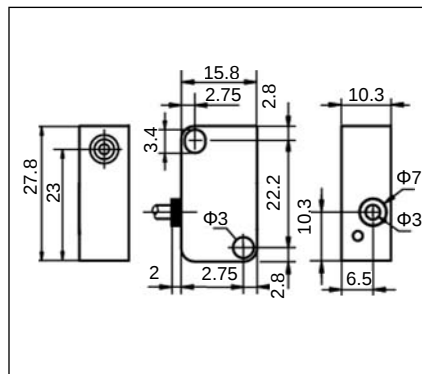
Q16x28x10	
●	○
1 mm	2 mm
PBT	
●	

Q16x28x10	
●	○
1 mm	2 mm
PBT	
●	

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

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

Connecting type
Weight

2M Cable (2.9 ϕ 3x0.15)
approx.55 g

2M Cable (2.9 ϕ 3x0.15)
approx.55 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-Q2801N-A1LN2	1*	IPN-Q2802N-A1LN2
IPS-Q2801N-B1LN2	2	IPN-Q2802N-B1LN2
IPS-Q2801P-A1LN2	3	IPN-Q2802P-A1LN2
IPS-Q2801P-B1LN2	4	IPN-Q2802P-B1LN2

IPS-Q2801N-A1VN2	1*	IPN-Q2802N-A1VN2
IPS-Q2801N-B1VN2	2	IPN-Q2802N-B1VN2
IPS-Q2801P-A1VN2	3	IPN-Q2802P-A1VN2
IPS-Q2801P-B1VN2	4	IPN-Q2802P-B1VN2

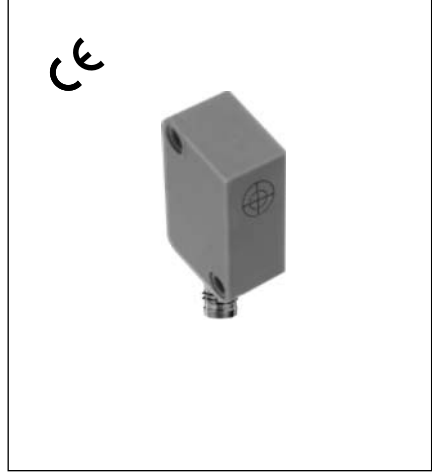
* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 and Page 014.

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

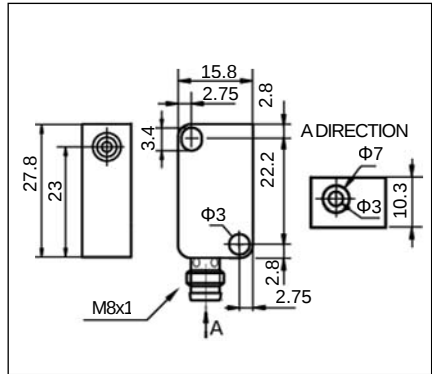
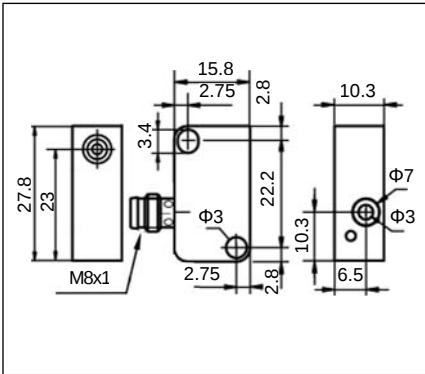
Diameter
☒ Shielded ☐ non-Shielded
Switching Distance, Sn: mm
Housing Material
☒ With LED ☐ Without LED

Q16x28x10	
● 1 mm	○ 2 mm
PBT	
●	

Q16x28x10	
● 1 mm	○ 2 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
2KHz
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25℃ - +70℃
<10%(Sr)
Yes
220mA
PBT

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

Connecting type
Weight

M8 connector
approx.25 g

M8 connector
approx.25 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.

[illegible][illegible]

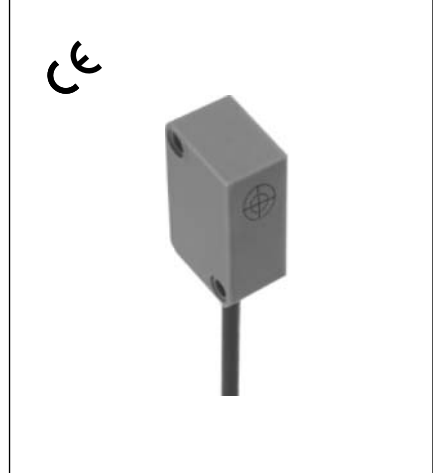
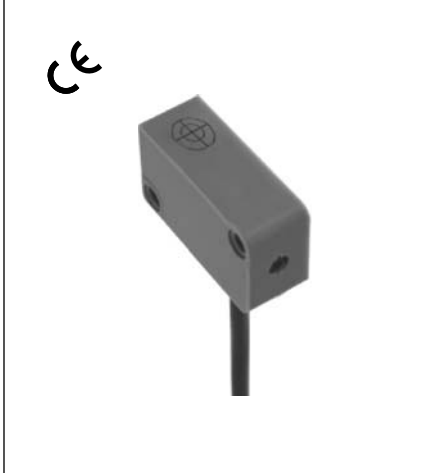
* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 to Page 015.

EXTENDED RANGE INDUCTIVE PROXIMITY SENSOR (10-30VDC/10-55VDC/5-36VDC)

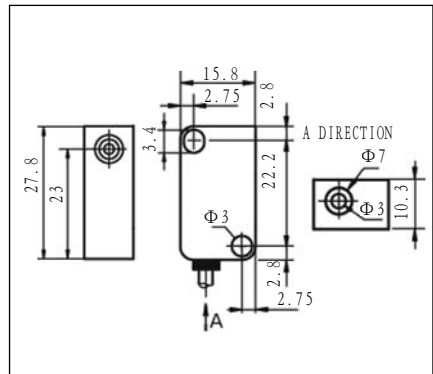
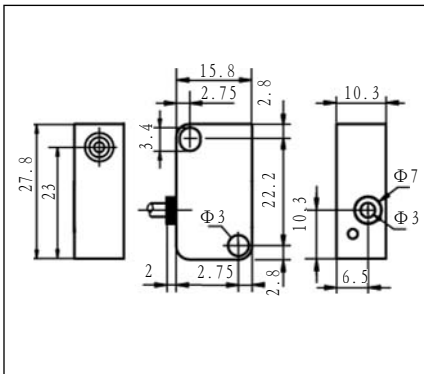
Diameter
● Shielded ○ non-Shielded
Switching Distance, Sn: mm
Housing Material
● With LED ○ Without LED

Q16x28x10	
● 2 mm	○ 4 mm
PBT	
●	

Q16x28x10	
● 2 mm	○ 4 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	
<2.0V	
2KHz	1KHz
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25℃ - +70℃	
<10%(Sr)	
Yes	
220mA	
PBT	

<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
2KHz	1KHz
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25℃ - +70℃	
<10%(Sr)	
Yes	
220mA	
PBT	

Connecting type
Weight

2M Cable (2.9 ϕ 3x0.15)
approx.55 g

2M Cable (2.9 ϕ 3x0.15)
approx.55 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.

[illegible][illegible]

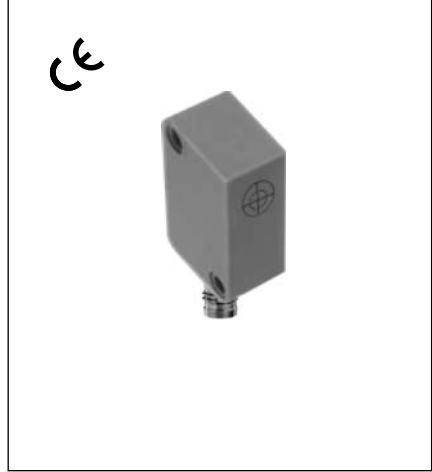
* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 and Page 014.

EXTENDED RANGE INDUCTIVE PROXIMITY SENSOR (10-30VDC/10-55VDC/5-36VDC)

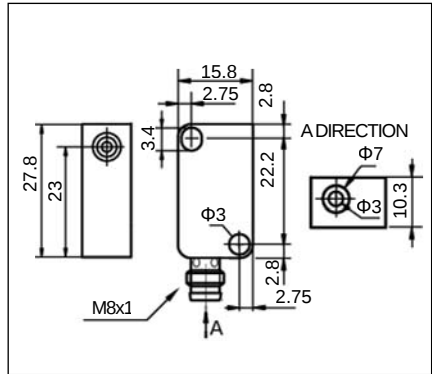
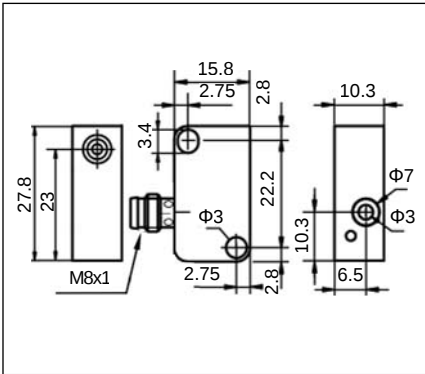
Diameter
☒ Shielded ☐ non-Shielded
Switching Distance, Sn: mm
Housing Material
☒ With LED ☐ Without LED

Q16x28x10	
● 2 mm	○ 4 mm
PBT	
●	

Q16x28x10	
● 2 mm	○ 4 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	
<2.0V	
2KHz	1KHz
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25℃ - +70℃	
<10%(Sr)	
Yes	
220mA	
PBT	

<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
2KHz	1KHz
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25℃ - +70℃	
<10%(Sr)	
Yes	
220mA	
PBT	

Connecting type
Weight

M8 connector
approx.25 g

M8 connector
approx.25 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.

[illegible][illegible]

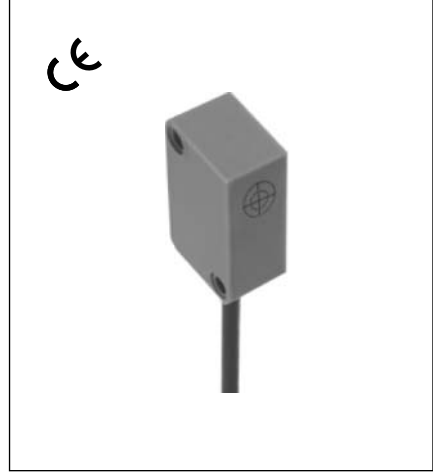
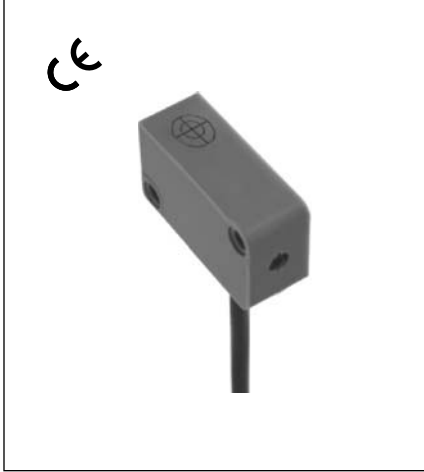
* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 to Page 015.

LONG RANGE INDUCTIVE PROXIMITY SENSOR (10-30VDC/10-55VDC/5-36VDC)

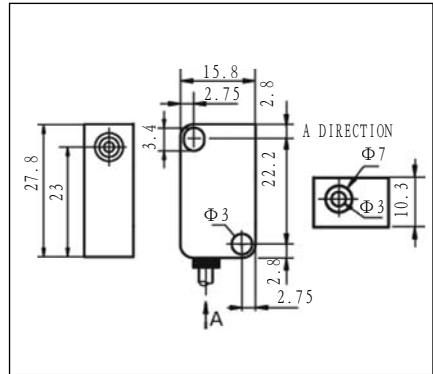
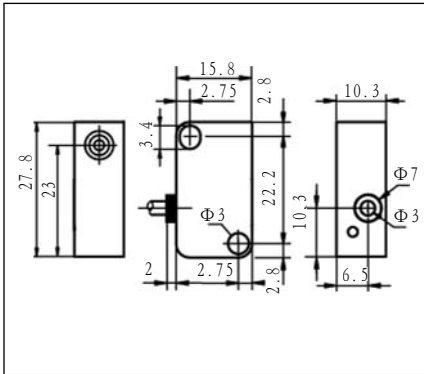
Diameter
☒ Shielded ☐ non-Shielded
Switching Distance, Sn: mm
Housing Material
☒ With LED ☐ Without LED

Q16x28x10	
●	○
3 mm	6 mm
PBT	
●	

Q16x28x10	
● 3 mm	○ 6 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	
<2.0V	
1KHz	500Hz
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25℃ - +70℃	
<10%(Sr)	
Yes	
220mA	
PBT	

<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
1KHz	500Hz
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25℃ - +70℃	
<10%(Sr)	
Yes	
220mA	
PBT	

Connecting type
Weight

2M Cable (2.9 ϕ 3x0.15)
approx.55 g

2M Cable (2.9 ϕ 3x0.15)
approx.55 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.

[illegible][illegible]

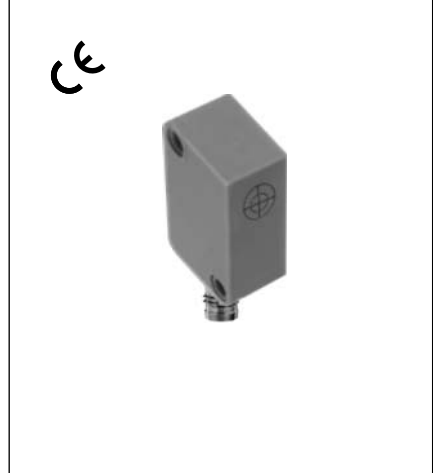
* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 and Page 014.

LONG RANGE INDUCTIVE PROXIMITY SENSOR (10-30VDC/10-55VDC/5-36VDC)

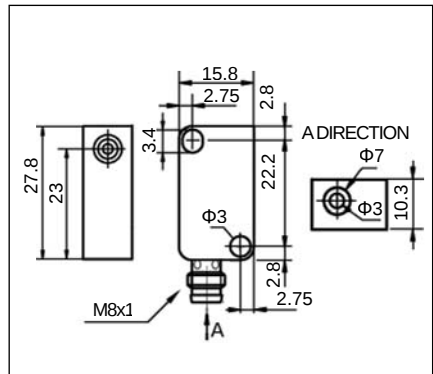
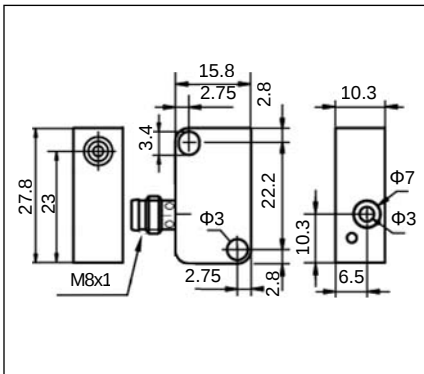
Diameter
☒ Shielded ☐ non-Shielded
Switching Distance, Sn: mm
Housing Material
☒ With LED ☐ Without LED

Q16x28x10	
● 3 mm	○ 6 mm
PBT	
●	

Q16x28x10	
●	○
3 mm	6 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	
<2.0V	
1KHz	500Hz
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25℃ - +70℃	
<10%(Sr)	
Yes	
220mA	
PBT	

<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
1KHz	500Hz
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25℃ - +70℃	
<10%(Sr)	
Yes	
220mA	
PBT	

Connecting type
Weight

M8 connector
approx.25 g

M8 connector
approx.25 g

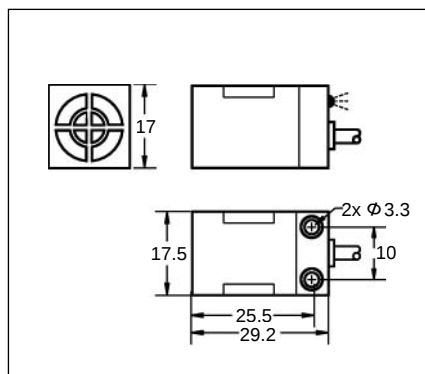
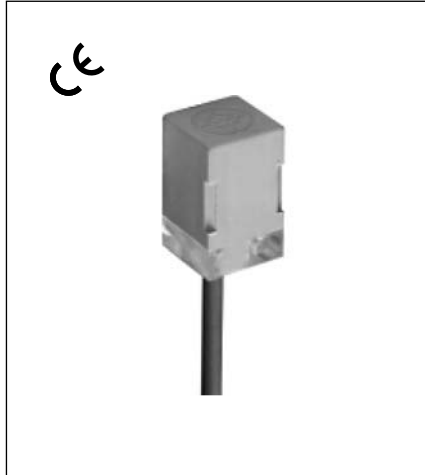
DC 3 wire 10-30V NPN N.O.
DC 3 wire 10-30V NPN N.C.
DC 3 wire 10-30V PNP N.O.
DC 3 wire 10-30V PNP N.C.
DC 3 wire 10-55V NPN N.O.
DC 3 wire 10-55V NPN N.C.
DC 3 wire 10-55V PNP N.O.
DC 3 wire 10-55V PNP N.C.
DC 3 wire 5-36 V NPN N.O.
DC 3 wire 5-36 V NPN N.C.
DC 3 wire 5-36 V PNP N.O.
DC 3 wire 5-36 V PNP N.C.

[illegible][illegible]

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

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

Q16
○
4 mm
ABS
●

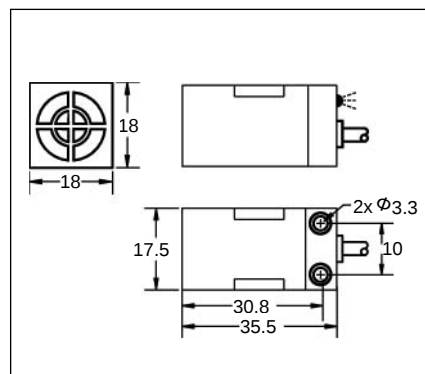
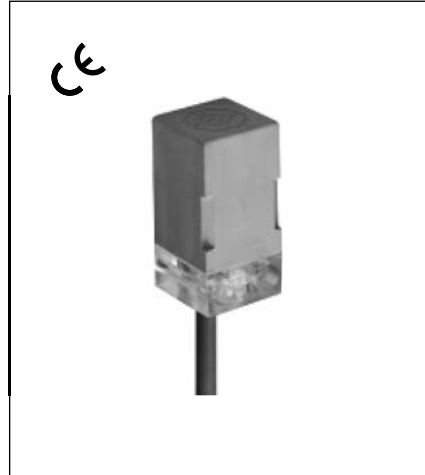


<10%
<10mA
200mA
<0.01mA
<1.5V
500Hz
0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
ABS

2M Cable (4.0 Ø 3x0.25)
approx.55 g

IPN-Q1604N-A1VN2	1*
IPN-Q1604N-B1VN2	2
IPN-Q1604P-A1VN2	3
IPN-Q1604P-B1VN2	4

Q18
○
4 mm
ABS
●

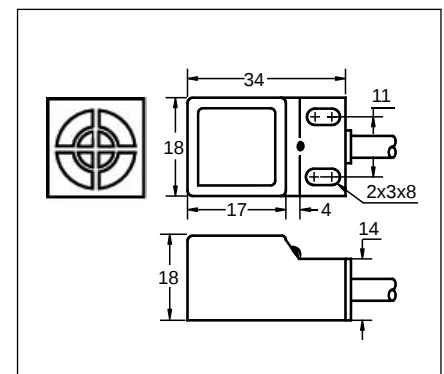


<10%
<10mA
200mA
<0.01mA
<1.5V
500Hz
0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
ABS

2M Cable (4.0 Ø 3x0.25)
approx.58g

IPN-Q1804N-A1VN2	1*
IPN-Q1804N-B1VN2	2
IPN-Q1804P-A1VN2	3
IPN-Q1804P-B1VN2	4
IPN-Q1804N-A3VN2	1
IPN-Q1804N-B3VN2	2
IPN-Q1804P-A3VN2	3
IPN-Q1804P-B3VN2	4

Q18B
○
4 mm
ABS
●



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

2M Cable (4.0 Ø 3x0.25)
approx.55 g

IPN-Q18B04N-A1VN2	1*
IPN-Q18B04N-B1VN2	2
IPN-Q18B04P-A1VN2	3
IPN-Q18B04P-B1VN2	4

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

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

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

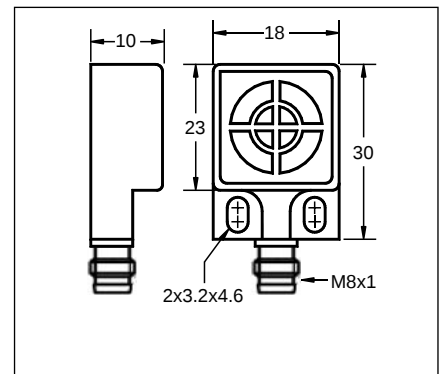
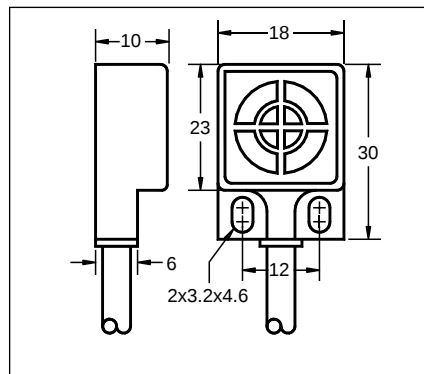
Q18C
○
4 mm
ABS
●

Q18C
○
4 mm
ABS
●

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
<1.5V
500Hz
0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
POM

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

Connecting type
Weight

2M Cable (4.0 ϕ 3x0.25)
approx.58g

M8 connector
approx.25 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.

IPN-Q18C04N-A1VN2	1*
IPN-Q18C04N-B1VN2	2
IPN-Q18C04P-A1VN2	3
IPN-Q18C04P-B1VN2	4

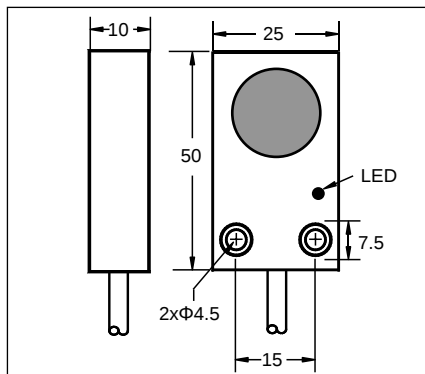
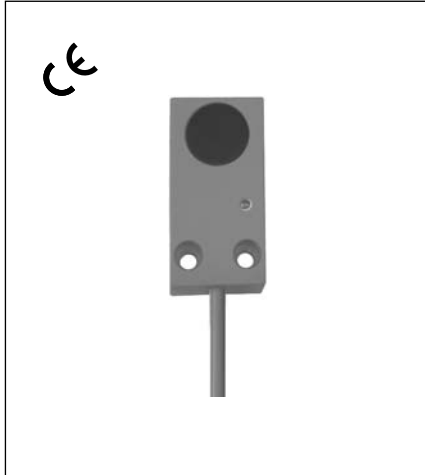
IPN-Q18C04N-A1PN3	1*
IPN-Q18C04N-B1PN3	2
IPN-Q18C04P-A1PN3	3
IPN-Q18C04P-B1PN3	4

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

PLASTIC SQUARE INDUCTIVE PROXIMITY SENSOR (10-30VDC)

Q25x50x10

●	○
2 mm	4 mm
PBT	
●	



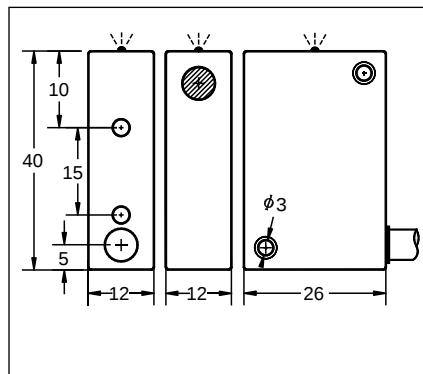
<10%
<10mA
200mA
<0.01mA
<1.5V
300Hz
100Hz
0.5ms/0.5ms
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
PBT

2M Cable (4.0 Φ 3x0.25)
approx.110 g

IPS-Q2502N-A1VN2	1*	IPN-Q2504N-A1VN2
IPS-Q2502N-B1VN2	2	IPN-Q2504N-B1VN2
IPS-Q2502P-A1VN2	3	IPN-Q2504P-A1VN2
IPS-Q2502P-B1VN2	4	IPN-Q2504P-B1VN2

Q26x40x12

●	○
2 mm	4 mm
PBT	
●	



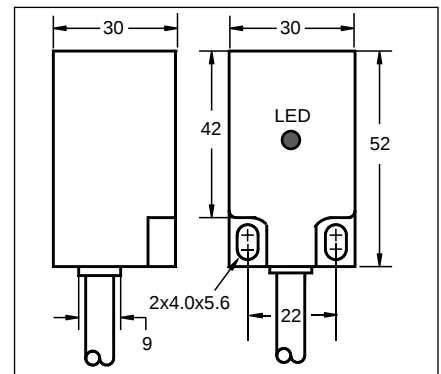
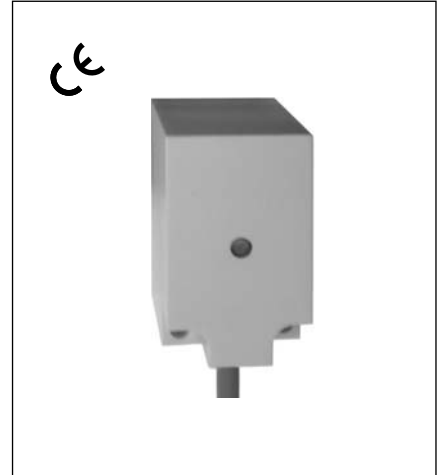
<10%
<10mA
200mA
<0.01mA
<1.5V
300Hz
100KHz
0.5ms/0.5ms
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
PBT

2M Cable (4.0 Φ 3x0.25)
approx.120 g

IPS-Q2602N-A1LN2	1*	IPN-Q2604N-A1LN2
IPS-Q2602N-B1LN2	2	IPN-Q2604N-B1LN2
IPS-Q2602P-A1LN2	3	IPN-Q2604P-A1LN2
IPS-Q2602P-B1LN2	4	IPN-Q2604P-B1LN2

Q30x30x52

●	○
10 mm	15 mm
PBT	
●	



<10%
<10mA
200mA
<0.01mA
<1.5V
300Hz
100Hz
0.5ms/0.5ms
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
PBT

2M Cable (4.0 Φ 3x0.25)
approx.135 g

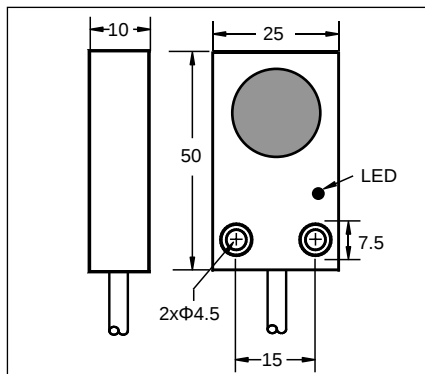
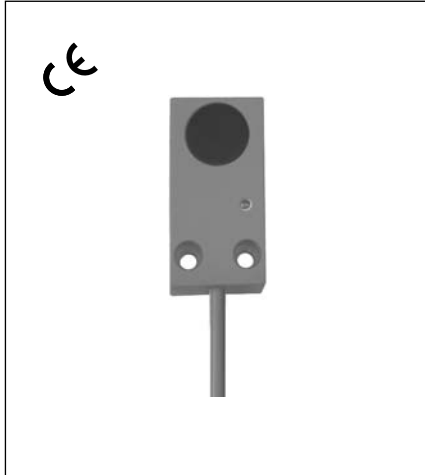
IPS-Q3010N-A1VN2	1*	IPN-Q3015N-A1VN2
IPS-Q3010N-B1VN2	2	IPN-Q3015N-B1VN2
IPS-Q3010P-A1VN2	3	IPN-Q3015P-A1VN2
IPS-Q3010P-B1VN2	4	IPN-Q3015P-B1VN2

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

EXTENDED RANGE INDUCTIVE PROXIMITY SENSOR (10-30VDC)

Q25x50x10

●	○
4 mm	8 mm
PBT	
●	



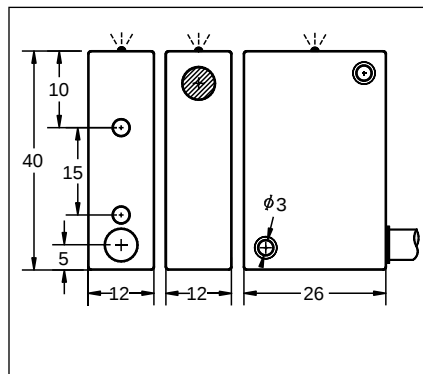
<10%
<10mA
200mA
<0.01mA
<2.0V
300Hz
100Hz
0.5ms/0.5ms
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
PBT

2M Cable (4.0 Φ 3x0.25)
approx.110 g

IPS-Q2504N-A1VN2	1*	IPN-Q2508N-A1VN2
IPS-Q2504N-B1VN2	2	IPN-Q2508N-B1VN2
IPS-Q2504P-A1VN2	3	IPN-Q2508P-A1VN2
IPS-Q2504P-B1VN2	4	IPN-Q2508P-B1VN2

Q26x40x12

●	○
4 mm	8 mm
PBT	
●	



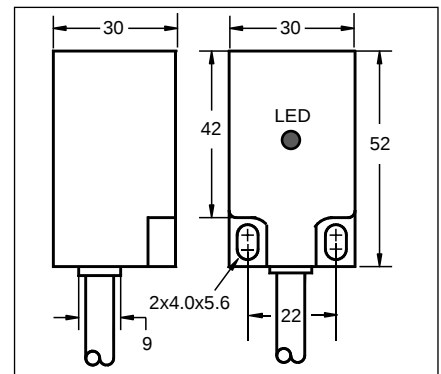
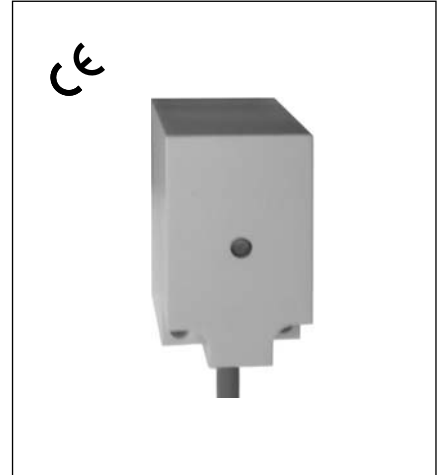
<10%
<10mA
200mA
<0.01mA
<2.0V
300Hz
100Hz
0.5ms/0.5ms
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
PBT

2M Cable (4.0 Φ 3x0.25)
approx.120 g

IPS-Q2604N-A1LN2	1*	IPN-Q2608N-A1LN2
IPS-Q2604N-B1LN2	2	IPN-Q2608N-B1LN2
IPS-Q2604P-A1LN2	3	IPN-Q2608P-A1LN2
IPS-Q2604P-B1LN2	4	IPN-Q2608P-B1LN2

Q30x30x52

●	○
16 mm	25 mm
PBT	
●	



<10%
<10mA
200mA
<0.01mA
<2.0V
150Hz
100Hz
1ms/1ms
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
PBT

2M Cable (4.0 Φ 3x0.25)
approx.135 g

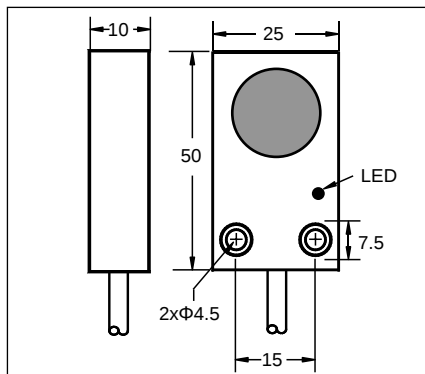
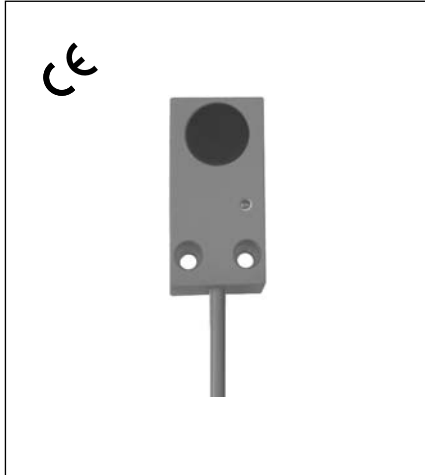
IPS-Q3016N-A1VN2	1*	IPN-Q3025N-A1VN2
IPS-Q3016N-B1VN2	2	IPN-Q3025N-B1VN2
IPS-Q3016P-A1VN2	3	IPN-Q3025P-A1VN2
IPS-Q3016P-B1VN2	4	IPN-Q3025P-B1VN2

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

LONG RANGE INDUCTIVE PROXIMITY SENSOR (10-30VDC)

Q25x50x10

●	○
6 mm	10 mm
PBT	
●	



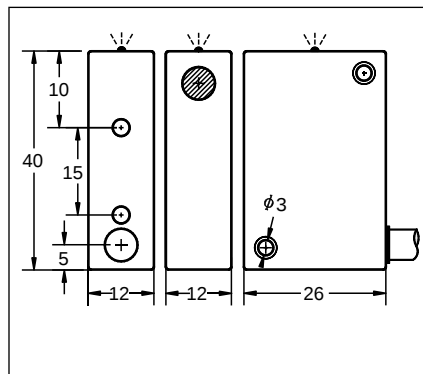
<10%
<10mA
200mA
<0.01mA
<2.0V
300Hz
100Hz
0.5ms/0.5ms
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
PBT

2M Cable (4.0 Φ 3x0.25)
approx.110 g

IPS-Q2506N-A1VN2	1*	IPN-Q2510N-A1VN2
IPS-Q2506N-B1VN2	2	IPN-Q2510N-B1VN2
IPS-Q2506P-A1VN2	3	IPN-Q2510P-A1VN2
IPS-Q2506P-B1VN2	4	IPN-Q2510P-B1VN2

Q26x40x12

●	○
6 mm	10 mm
PBT	
●	



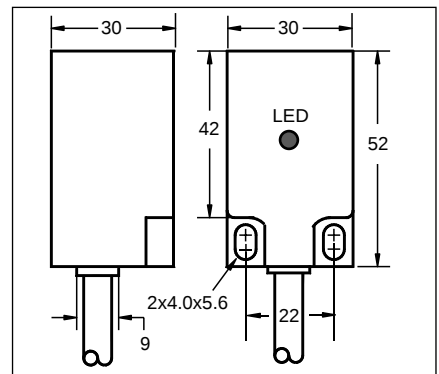
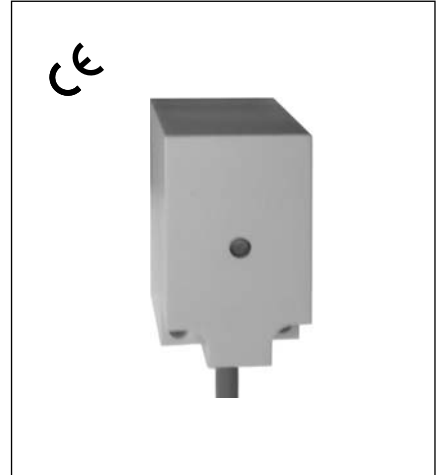
<10%
<10mA
200mA
<0.01mA
<2.0V
300Hz
100Hz
0.5ms/0.5ms
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
PBT

2M Cable (4.0 Φ 3x0.25)
approx.120 g

IPS-Q2606N-A1LN2	1*	IPN-Q2610N-A1LN2
IPS-Q2606N-B1LN2	2	IPN-Q2610N-B1LN2
IPS-Q2606P-A1LN2	3	IPN-Q2610P-A1LN2
IPS-Q2606P-B1LN2	4	IPN-Q2610P-B1LN2

Q30x30x52

●	○
20 mm	30 mm
PBT	
●	



<10%
<10mA
200mA
<0.01mA
<2.0V
150Hz
100Hz
1ms/1ms
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
PBT

2M Cable (4.0 Φ 3x0.25)
approx.135 g

IPS-Q3020N-A1VN2	1*	IPN-Q3030N-A1VN2
IPS-Q3020N-B1VN2	2	IPN-Q3030N-B1VN2
IPS-Q3020P-A1VN2	3	IPN-Q3030P-A1VN2
IPS-Q3020P-B1VN2	4	IPN-Q3030P-B1VN2

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

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

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

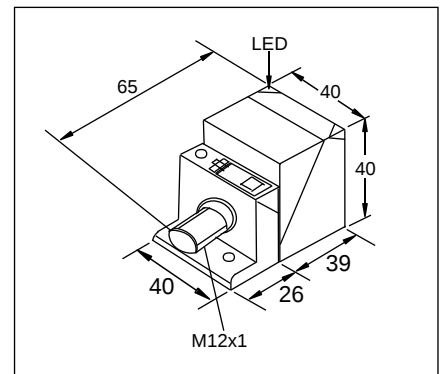
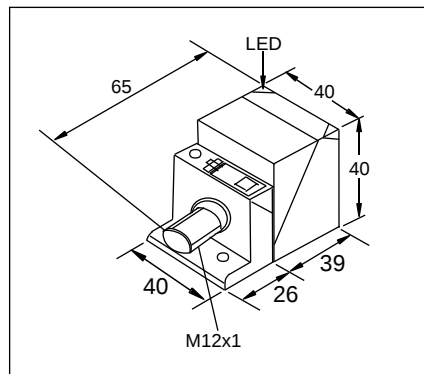
Q40S
●
15 mm
PBT
●

Q40S
○
30 mm
PBTS
●

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
<1.5V
100Hz
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
PBT

<10%
<10mA
200mA
<0.01mA
<1.5V
100Hz
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
PBT

Connecting type
Weight

M12 connector
approx.170g

M12 connector
approx.170 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-Q4015N-A1ES4	1*
IPS-Q4015N-B1ES4	2
IPS-Q4015P-A1ES4	3
IPS-Q4015P-B1ES4	4
IPS-Q4015N-A3ES4	1
IPS-Q4015N-B3ES4	2
IPS-Q4015P-A3ES4	3
IPS-Q4015P-B3ES4	4

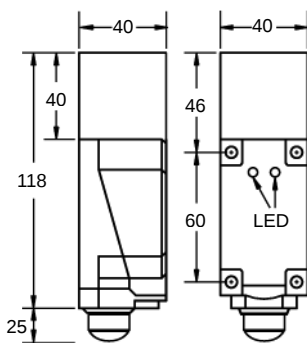
IPN-Q4030N-A1ES4	1*
IPN-Q4030N-B1ES4	2
IPN-Q4030P-A1ES4	3
IPN-Q4030P-B1ES4	4
IPN-Q4030N-A3ES4	1
IPN-Q4030N-B3ES4	2
IPN-Q4030P-A3ES4	3
IPN-Q4030P-B3ES4	4

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

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

Q40

15 mm
PBT



<10%

<10mA

200mA

<0.01mA

<1.5V

100Hz

1ms/1ms

<15%(Sr)

<1.0%(Sr)

IP67

-25°C - +70°C

<10%(Sr)

Yes

220mA

PBT

Terminal

approx.260 g

IPS-Q4015N-A1TN

1*

IPS-Q4015N-B1TN

2

IPS-Q4015P-A1TN

3

IPS-Q4015P-B1TN

4

IPS-Q4015N-A3TN

1

IPS-Q4015N-B3TN

2

IPS-Q4015P-A3TN

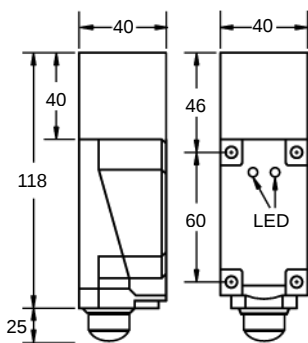
3

IPS-Q4015P-B3TN

4

Q40

20 mm
PBT



<10%

<10mA

200mA

<0.01mA

<1.5V

100Hz

1ms/1ms

<15%(Sr)

<1.0%(Sr)

IP67

-25°C - +70°C

<10%(Sr)

Yes

220mA

PBT

Terminal

approx.260 g

IPN-Q4020N-A1TN

1*

IPN-Q4020N-B1TN

2

IPN-Q4020P-A1TN

3

IPN-Q4020P-B1TN

4

IPN-Q4020N-A3TN

1

IPN-Q4020N-B3TN

2

IPN-Q4020P-A3TN

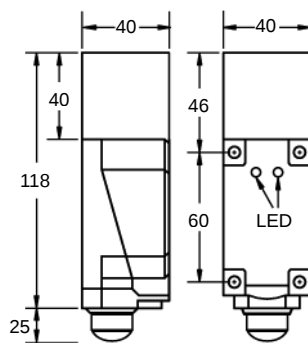
3

IPN-Q4020P-B3TN

4

Q40

30 mm
PBT



<10%

<10mA

200mA

<0.01mA

<1.5V

100Hz

1ms/1ms

<15%(Sr)

<1.0%(Sr)

IP67

-25°C - +70°C

<10%(Sr)

Yes

220mA

PBT

Terminal

approx.260 g

IPN-Q4030N-A1TN

1*

IPN-Q4030N-B1TN

2

IPN-Q4030P-A1TN

3

IPN-Q4030P-B1TN

4

IPN-Q4030N-A3TN

1

IPN-Q4030N-B3TN

2

IPN-Q4030P-A3TN

3

IPN-Q4030P-B3TN

4

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