

DC ULTRA-MINI INDUCTIVE PROXIMITY SENSORS

φ3

Page 10 of 10

0.6 mm

Stainless steel

— 10 —

10-30VDC

<10%

<10mA

100mA

	<0.01mA
--	---------

	<1.5V
--	-------

2KHZ

0.1ms/0.1ms

<15%(Sr)

	<1.0%(Sr)
--	-----------

IP67

-25°C- +70°C

	<10%(Sr)
--	----------

YES

120mA

POM

FORM	
FD-1000 (Rev. 10-1-80)	2

P1D1S030.6NOTA3	25
P1D1S030.6NOTA3	25

P1D1S030.6NC1A3	25
P1D1S030.6NC1A3	25

P1D1S030.6P01A3	26
P1D1S030.6P01A3	26

P1D1S030.6PCTA3	26
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Technical drawing of the LED cable assembly showing dimensions: diameter 3, length 18, LED position 25, diameter 2.7, and a 3m cable length.

approx.25 g

DC ULTRA-MINI INDUCTIVE PROXIMITY SENSORS

Diameter

● Shielded ○ Non-shielded

Switching Distance Sn: mm

Housing Material

● With LED ○ Without LED

Picture

Operating Voltage

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

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)

DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)

DC 2 wire 10-60V N.O.

DC 2 wire 10-60V 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 5-36V NPN N.O.

DC 3 wire 5-36V NPN N.C.

DC 3 wire 5-36V PNP N.O.

DC 3 wire 5-36V PNP N.C.

DC 4 wire 5-36V Changeover PNP (N.O. & N.C.)

DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

Dimensions (unit: mm)

Cable 2M (PUR)

Weight

M4

●

0.6 mm

Stainless steel

●



CE

10-30VDC

<10%

<10mA

100mA

<0.01mA

<1.5V

2KHZ

0.1ms/0.1ms

<15%(Sr)

<1.0%(Sr)

IP67

-25°C- +70°C

<10%(Sr)

YES

120mA

POM

P1C1S040.6NO3A2

1

P1C1S040.6NC3A2

2

P1C1S040.6PO3A2

3

P1C1S040.6PC3A2

4

M4

●

0.6 mm

Stainless steel

●



CE

10-30VDC

<10%

<10mA

100mA

<0.01mA

<1.5V

2KHZ

0.1ms/0.1ms

<15%(Sr)

<1.0%(Sr)

IP67

-25°C- +70°C

<10%(Sr)

YES

120mA

POM

P1C1S040.6NOTA3

25

P1C1S040.6NCTA3

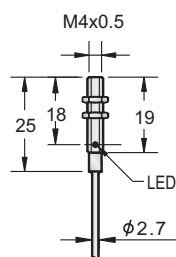
25

P1C1S040.6POTA3

26

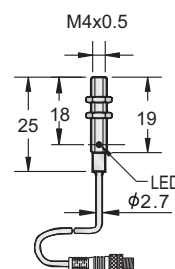
P1C1S040.6PCTA3

26



2.7φ 3x0.15

approx.25 g



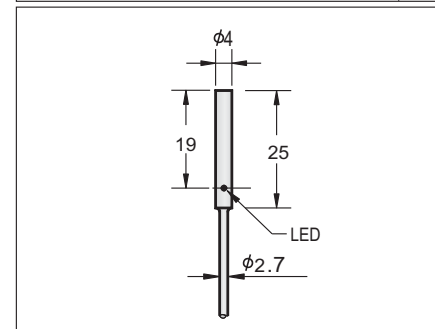
2.7φ 3x0.15

approx.25 g

DC ULTRA-MINI INDUCTIVE PROXIMITY SENSORS



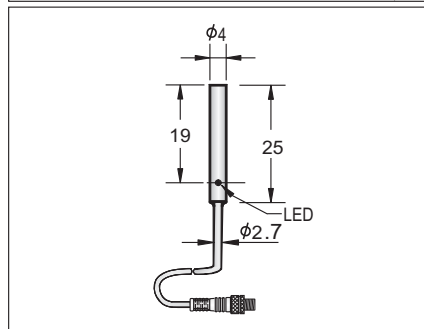
CE

[illegible]

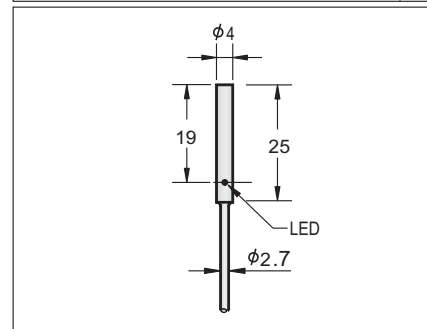
2.7φ 3x0.15
approx.25 g



CE

[illegible]

2.7 ϕ 3x0.15
approx.25 g

[illegible]

2.7φ 3x0.15
approx.25 g

DC ULTRA-MINI INDUCTIVE PROXIMITY SENSORS

Diameter
☒ Shielded ☐ Non-shielded
Switching Distance Sn: mm
Housing Material
☒ With LED ☐ Without LED

Picture

Operating Voltage
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

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)
DC 2 wire 10-60V N.O.
DC 2 wire 10-60V 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 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O & N.C.)

Dimensions (unit: mm)

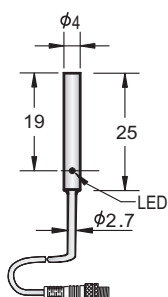
Cable 2M (PUR)
Weight

Ø 4
●
1.5 mm
Stainless steel
●



CE

10-30VDC
<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
POM

[illegible]

2.7φ 3x0.15
approx.25 g

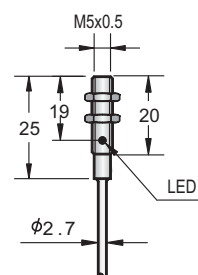
M5

0.8 mm
Stainless steel




CE

10-30VDC
<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
POM

[illegible]

2.7 ϕ 3x0.15
approx.25 g

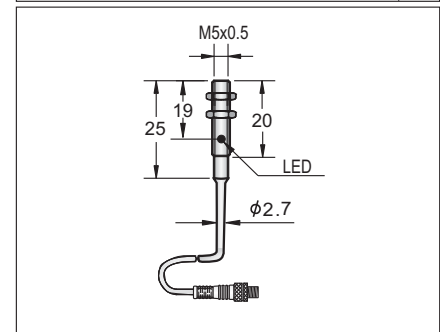
DC ULTRA-MINI INDUCTIVE PROXIMITY SENSORS

M5
●
0.8 mm
Stainless steel
●



10-30VDC
<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
POM

P1C1S050.8NOTS3	25
P1C1S050.8NCTS3	25
P1C1S050.8POTS3	26
P1C1S050.8PCTS3	26

[illegible]

2.7 ϕ 3x0.15
approx.25 g

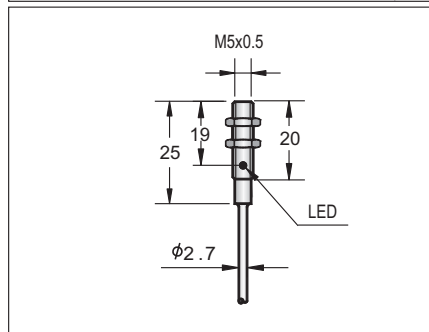
M5

1.5 mm
Stainless steel




10-30VDC
<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
POM

P1C1S051.5N03S2	1
P1C1S051.5NC3S2	2
P1C1S051.5P03S2	3
P1C1S051.5PC3S2	4



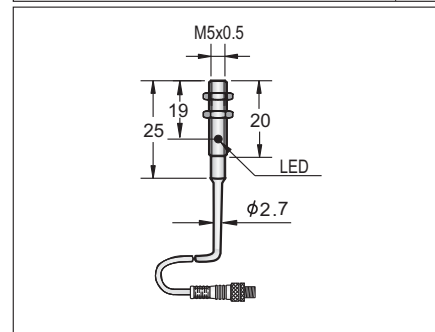
2.7 ϕ 3x0.15
approx.25 g

M5
●
1.5 mm
Stainless steel
●



10-30VDC
<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
POM

P1C1S051.5NOTS3	25
P1C1S051.5NCTS3	25
P1C1S051.5POTS3	26
P1C1S051.5PCTS3	26



2.7 ϕ 3x0.15
approx.25 g

DC ULTRA-MINI INDUCTIVE PROXIMITY SENSORS

Diameter

● Shielded ○ Non-shielded

Switching Distance Sn: mm

Housing Material

● With LED ○ Without LED

Picture

M5

●

0.8 mm

Stainless steel

●



CE

M5

●

0.8 mm

Stainless steel

●



CE

Operating Voltage

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

10-30VDC

<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

POM

P1C1S050.8NO3A2

1

P1C1S050.8NC3A2

2

P1C1S050.8PO3A2

3

P1C1S050.8PC3A2

4

10-30VDC

<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

POM

P1C1S050.8NOTA3

25

P1C1S050.8NCTA3

25

P1C1S050.8POTA3

26

P1C1S050.8PCTA3

26

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)

DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)

DC 2 wire 10-60V N.O.

DC 2 wire 10-60V 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 5-36V NPN N.O.

DC 3 wire 5-36V NPN N.C.

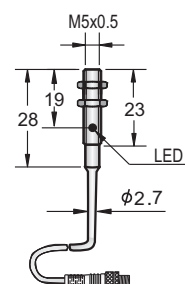
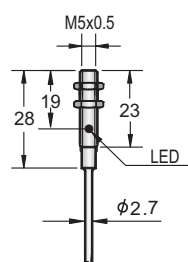
DC 3 wire 5-36V PNP N.O.

DC 3 wire 5-36V PNP N.C.

DC 4 wire 5-36V Changeover PNP (N.O. & N.C.)

DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

Dimensions (unit: mm)



Cable 2M (PUR)

Weight

2.7φ 3x0.15

approx.25 g

2.7φ 3x0.15

approx.25 g

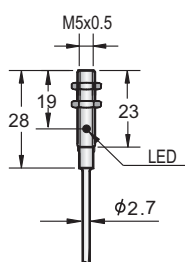
DC ULTRA-MINI INDUCTIVE PROXIMITY SENSORS

M5
1.5 mm
Stainless steel




10-30VDC
<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
POM

P1C1S051.5NO3A2	1
P1C1S051.5NC3A2	2
P1C1S051.5PO3A2	3
P1C1S051.5PC3A2	4



2.7ϕ 3x0.15
approx.25 g

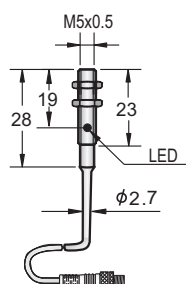
M5

1.5 mm
Stainless steel




10-30VDC
<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
POM

P1C1S051.5NOTA3	25
P1C1S051.5NCTA3	25
P1C1S051.5POTA3	26
P1C1S051.5PCTA3	26



2.7ϕ 3x0.15
approx.25 g

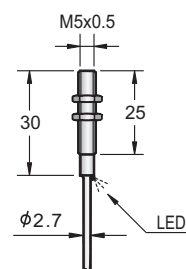
M5

0.8 mm
Stainless steel




10-30VDC
<10%
<10mA
100mA
<0.01mA
<1.5V
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
NO
-
POM

P1C1S050.8N03B2	1
P1C1S050.8NC3B2	2
P1C1S050.8PO3B2	3
P1C1S050.8PC3B2	4



2.7 ϕ 3x0.15
approx.25 g

DC ULTRA-MINI INDUCTIVE PROXIMITY SENSORS

Diameter

● Shielded ○ Non-Shielded

Switching Distance Sn: mm

Housing Material

● With LED ○ Without LED

Picture

Operating Voltage

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

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)

DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)

DC 2 wire 10-60V N.O.

DC 2 wire 10-60V 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 5-36V NPN N.O.

DC 3 wire 5-36V NPN N.C.

DC 3 wire 5-36V PNP N.O.

DC 3 wire 5-36V PNP N.C.

DC 4 wire 5-36V Changeover PNP (N.O. & N.C.)

DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

Dimensions (unit: mm)

Cable 2M (PVC)

Weight

M5

●

1.5 mm

Stainless steel

●



CE

10-30VDC

<10%

<10mA

100mA

<0.01mA

<1.5V

2KHZ

0.1ms/0.1ms

<15%(Sr)

<1.0%(Sr)

IP67

-25°C - +70°C

<10%(Sr)

NO

-

POM

P1C1S051.5N03B2

1

P1C1S051.5NC3B2

2

P1C1S051.5P03B2

3

P1C1S051.5PC3B2

4

M5

●

0.8 mm

Stainless steel

●



CE

10-30VDC

<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

POM

P1C1S050.8N0PA3

25

P1C1S050.8NCPA3

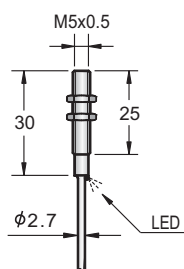
25

P1C1S050.8POPA3

26

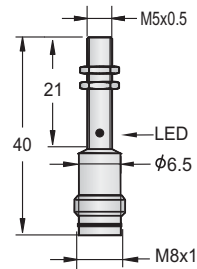
P1C1S050.8PCPA3

26



2.7φ 3x0.15

approx.25 g



Approx. 14 g

DC ULTRA-MINI INDUCTIVE PROXIMITY SENSORS

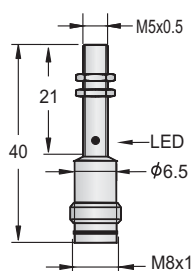
M5

1.5 mm
Stainless steel




10-30VDC
<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
POM

P1C1S051.5NOPA3	25
P1C1S051.5NCPA3	25
P1C1S051.5POPA3	26
P1C1S051.5PCPA3	26



Approx. 14 g

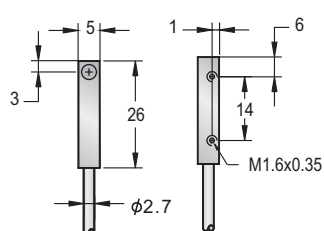
Q5x5x26

0.8 mm
Nickel plated brass




10-30VDC
<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
POM

P1S1B550.8NO3A2	1
P1S1B550.8NC3A2	2
P1S1B550.8PO3A2	3
P1S1B550.8PC3A2	4



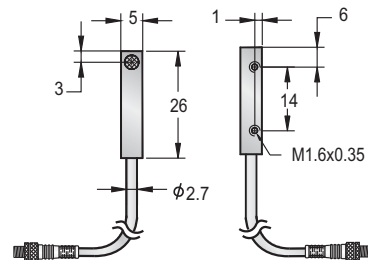
2.7 ϕ 3x0.15
Approx.30 g

Q5x5x26
●
0.8 mm
Nickel plated brass
●



10-30VDC
<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
POM

P1S1B550.8NOTA3	25
P1S1B550.8NCTA3	25
P1S1B550.8POTA3	26
P1S1B550.8PCTA3	26



2.7 ϕ 3x0.15
Approx.30 g

DC ULTRA-MINI INDUCTIVE PROXIMITY SENSORS

Diameter

● Shielded ○ Non-shielded

Switching Distance Sn: mm

Housing Material

● With LED ○ Without LED

Picture

Q5x5x26

●

1.5 mm

Nickel plated brass

●



CE

Q5x5x26

●

1.5 mm

Nickel plated brass

●



CE

Operating Voltage

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

10-30VDC

<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

POM

10-30VDC

<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

POM

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)

DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)

DC 2 wire 10-60V N.O.

DC 2 wire 10-60V 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 5-36V NPN N.O.

DC 3 wire 5-36V NPN N.C.

DC 3 wire 5-36V PNP N.O.

DC 3 wire 5-36V PNP N.C.

DC 4 wire 5-36V Changeover PNP (N.O. & N.C.)

DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

P1S1B551.5NO3A2

1

P1S1B551.5NC3A2

2

P1S1B551.5PO3A2

3

P1S1B551.5PC3A2

4

P1S1B551.5NOTA3

25

P1S1B551.5NCTA3

25

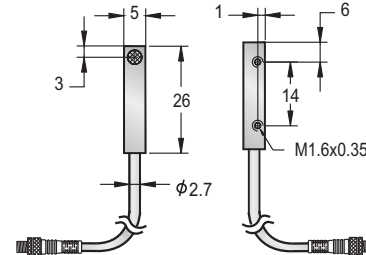
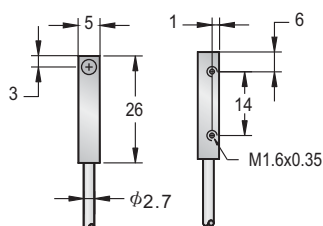
P1S1B551.5POTA3

26

P1S1B551.5PCTA3

26

Dimensions (unit: mm)



Cable 2M (PVC)

Weight

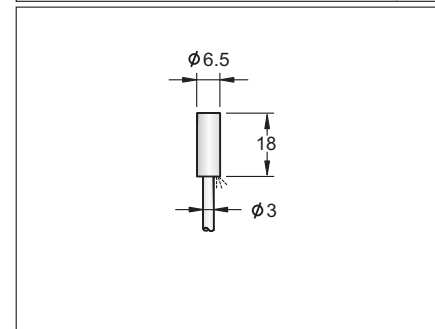
2.7φ 3x0.15

Approx.30 g

2.7φ 3x0.15

Approx.30 g

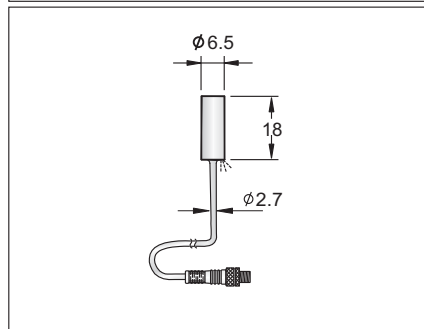
DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS

[illegible]

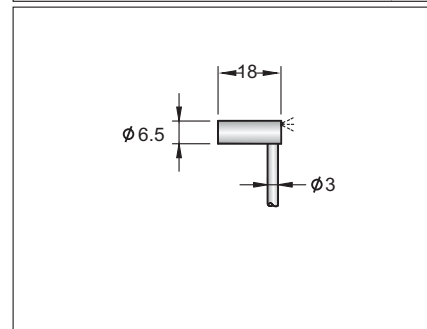
3φ 3x0.15
Approx.25 g



CE

[illegible]

Cable 0.3m PUR with m8x1 connect
Approx.25 g

[illegible]

3φ 3x0.15
Approx.25 g

DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS

Diameter
☒ Shielded ☐ Non-shielded
Switching Distance Sn: mm
Housing Material
☒ With LED ☐ Without LED

Picture

Ø6.5Y
●
1mm
Stainless steel
●



CE

Ø6.5
●
1mm
Stainless steel
●



CE

Operating Voltage
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

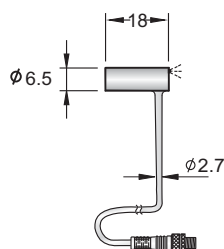
10-30VDC
<10%
<10mA
200mA
<0.01mA
<1.5V
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
POM

10-30VDC
<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
POM

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)
DC 2 wire 10-60V N.O.
DC 2 wire 10-60V 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 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O. & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

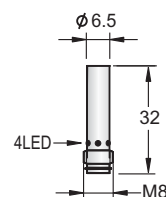
[illegible][illegible]

Dimensions (unit: mm)



Cable 2M (PVC)
Weight

Cable 0.3m PUR with m8x1 connect
Approx.25 g

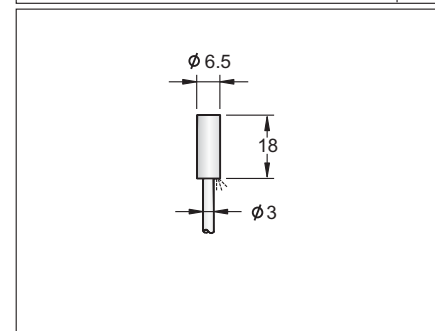


Approx.5.1 g

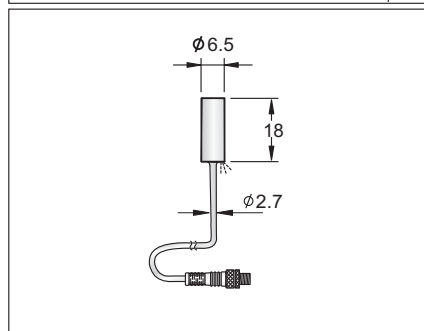
DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS



CE

[illegible]

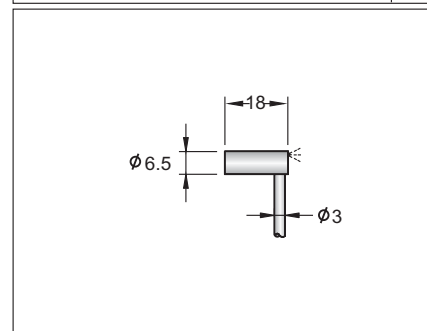
3φ 3x0.15
Approx.25 g

[illegible]

Cable 0.3m PUR with m8x1 connect
Approx.25 g



CE

[illegible]

3 ϕ 3x0.15
Approx.25 g

DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS

Diameter

● Shielded ○ Non-shielded

Switching Distance Sn: mm

Housing Material

● With LED ○ Without LED

Picture

φ6.5Y

●

2mm

Stainless steel

●



CE

φ6.5

●

2mm

Stainless steel

●



CE

Operating Voltage

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

10-30VDC

<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

POM

10-30VDC

<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

POM

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)

DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)

DC 2 wire 10-60V N.O.

DC 2 wire 10-60V 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 5-36V NPN N.O.

DC 3 wire 5-36V NPN N.C.

DC 3 wire 5-36V PNP N.O.

DC 3 wire 5-36V PNP N.C.

DC 4 wire 5-36V Changeover PNP (N.O. & N.C.)

DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

P1D1S6.502NOTR3Y

25

P1D1S6.502NCTR3Y

25

P1D1S6.502POTR3Y

26

P1D1S6.502PCTR3Y

26

P1D1S6.502NOPR3

25

P1D1S6.502NCPR3

25

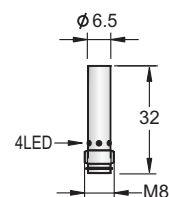
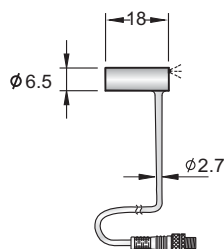
P1D1S6.502POPR3

26

P1D1S6.502PCPR3

26

Dimensions (unit: mm)



Cable 2M (PVC)

Weight

Cable 0.3m PUR with m8x1 connect

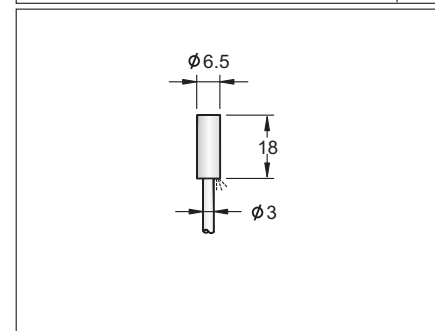
Approx.15 g

Approx.4.0 g

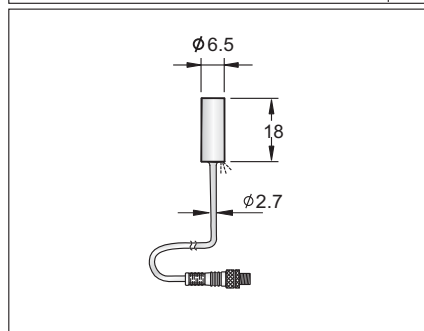
DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS



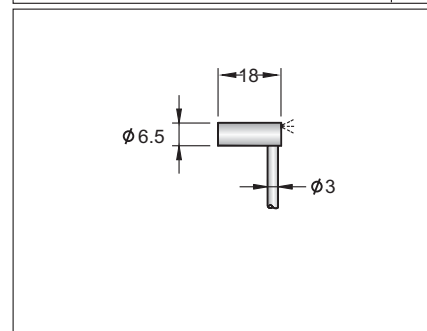
CE

[illegible]

3φ 3x0.15
Approx.25 g

[illegible]

Cable 0.3m PUR with m8x1 connect
Approx.15 g

[illegible]

3 ϕ 3x0.15
Approx.25 g

DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS

Diameter

● Shielded ○ Non-shielded

Switching Distance S_n : mmHousing Material

● With LED ○ Without LED

Picture

Operating Voltage
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

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)
DC 2 wire 10-60V N.O.
DC 2 wire 10-60V 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 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O. & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

Dimensions (unit: mm)

Cable 2M (PVC)
Weight

φ6.5Y

— 10 —

3mm

Stainless steel



CE

10-30VDC
<10%
<10mA
200mA
<0.01mA
<1.5V
1KHZ
0.2ms/0.2ms
<15%(Sr)
<1.0%(Sr)
IP67
-25℃ - +70℃
<10%(Sr)
YES
220mA
POM

[illegible]

Technical drawing of the cable assembly showing dimensions: 18 for the cable length, 6.5 for the cable diameter, and 2.7 for the connector diameter.

Cable 0.3m PUR with m8x1 connect
Approx.15 g

φ6.5

Page 10 of 10

3mm

Stainless steel



10-30VDC
<10%
<10mA
200mA
<0.01mA
<1.5V
1KHZ
0.2ms/0.2ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
POM

[illegible]

Approx.4.0 g

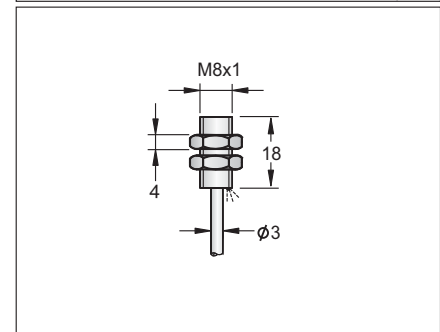
DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS

M8
●
1mm
Stainless steel
●



10-30VDC
<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
POM

P1C1S0801N03R2	1
P1C1S0801NC3R2	2
P1C1S0801PO3R2	3
P1C1S0801PC3R2	4



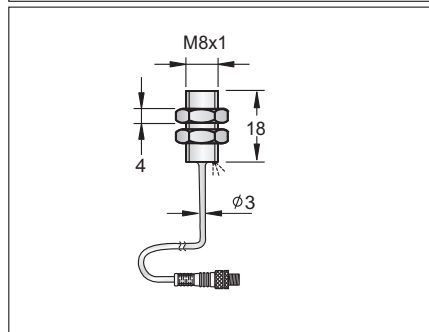
3φ 3x0.15
Approx.35 g

M8
●
1mm
Stainless steel
●



10-30VDC
<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
POM

P1C1S0801NOTR3	25
P1C1S0801NCTR3	25
P1C1S0801POTR3	26
P1C1S0801PCTR3	26



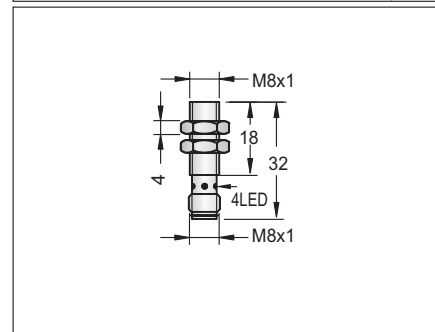
Cable 0.3m PUR with m8x1 connect
Approx.25 g

M8
●
1mm
Stainless steel
●



10-30VDC
<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
POM

P1C1S0801NOPR3	25
P1C1S0801NCPR3	25
P1C1S0801POPR3	26
P1C1S0801PCPR3	26



-
Approx. 15 g

DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS

Diameter
☒ Shielded ☐ Non-shielded
Switching Distance Sn: mm
Housing Material
☒ With LED ☐ Without LED

Picture

M8

2mm
Stainless steel




CE

M8
●
2mm
Stainless steel
●



CE

Operating Voltage
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

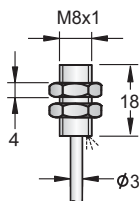
10-30VDC
<10%
<10mA
200mA
<0.01mA
<2.0V
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
POM

10-30VDC
<10%
<10mA
200mA
<0.01mA
<2.0V
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
YES
220mA
POM

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)
DC 2 wire 10-60V N.O.
DC 2 wire 10-60V 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 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O & N.C.)

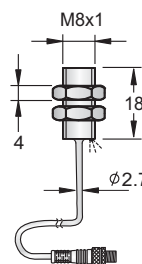
[illegible][illegible]

Dimensions (unit: mm)



Cable 2M (PVC)
Weight

3φ 3x0.15
Approx.35 g



Cable 0.3m PUR with m8x1 connect
Approx.25 g

DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS

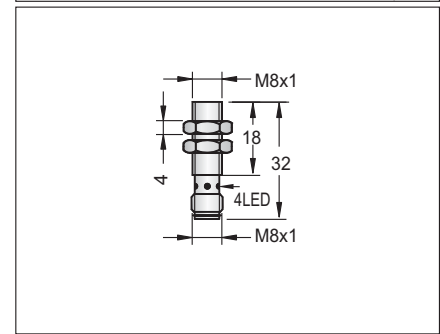
M8
●
2mm
Stainless steel
●



10-30VDC
≤10%

10-30VDC
<10%
<10mA
200mA
<0.01mA
<2.0V
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
POM

P1C1S0802NOPR3	25
P1C1S0802NCPR3	25
P1C1S0802POPR3	26
P1C1S0802PCPR3	26



-
Approx.15 g

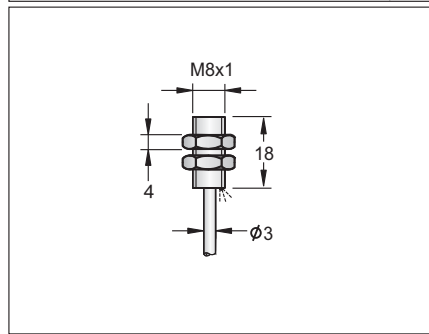
M8
●
3mm
Stainless steel
●



10-30VDC
±10%

10-30VDC
<10%
<10mA
200mA
<0.01mA
<2.0V
1KHZ
0.2ms/0.2ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
POM

P1C1S0803NO3R2	1
P1C1S0803NC3R2	2
P1C1S0803PO3R2	3
P1C1S0803PC3R2	4



3 ϕ 3x0.15
Approx.35 g

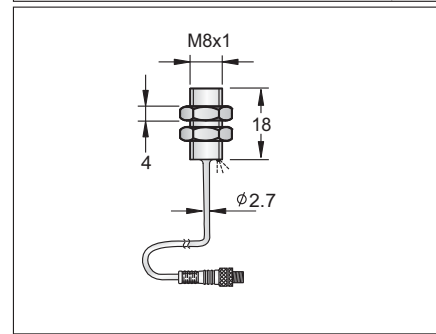
M8
●
3mm
Stainless steel
●



10-30VDC
<10%

10-30VDC
<10%
<10mA
200mA
<0.01mA
<2.0V
1KHZ
0.2ms/0.2ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
POM

P1C1S0803NOTR3	25
P1C1S0803NCTR3	25
P1C1S0803POTR3	26
P1C1S0803PCTR3	26



Cable 0.3m PUR with m8x1 connect
Approx.25 g

DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS

DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS

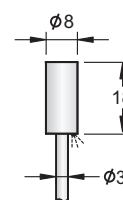
ø8
●
2mm
Stainless steel
●



CE

10-30VDC
<10%
<10mA
200mA
<0.01mA
<2.0V
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25℃ - +70℃
<10%(Sr)
YES
220mA
POM

P1D1S0802N03R2	1
P1D1S0802NC3R2	2
P1D1S0802PO3R2	3
P1D1S0802PC3R2	4



3Ø 3x0.15
Approx.25 g

DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS

Diameter
☒ Shielded ☐ Non-shielded
Switching Distance Sn: mm
Housing Material
☒ With LED ☐ Without LED

Picture

ø8
●
2mm
Stainless steel
●



CE

ø8
●
2mm
Stainless steel
●



CE

Operating Voltage
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

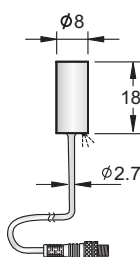
10-30VDC
<10%
<10mA
200mA
<0.01mA
<2.0V
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
POM

10-30VDC
<10%
<10mA
200mA
<0.01mA
<2.0V
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
YES
220mA
POM

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)
DC 2 wire 10-60V N.O.
DC 2 wire 10-60V 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 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O & N.C.)

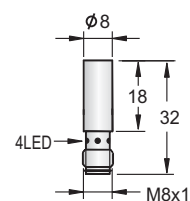
[illegible][illegible]

Dimensions (unit: mm)



Cable 2M (PVC)
Weight

Cable 0.3m PUR with m8x1 connect
Approx.18 g



-
Approx.8.0 g

DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS



CE

[illegible]

3Ø 3x0.15
Approx.25 g

[illegible]

Cable 0.3m PUR with m8x1 connect
Approx.18 g

[illegible]

-
Approx.8.0 g

DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS

Diameter
☒ Shielded ☐ Non-shielded
Switching Distance Sn: mm
Housing Material
☒ With LED ☐ Without LED

Picture

Q8
●
1mm
Nickel plated brass
●



CE

Q8
●
1mm
Nickel plated brass
●



CE

Operating Voltage
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

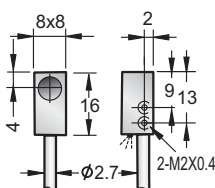
10-30VDC
<10%
<10mA
200mA
<0.01mA
<1.5V
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
POM

10-30VDC
<10%
<10mA
200mA
<0.01mA
<1.5V
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25℃ - +70℃
<10%(Sr)
YES
220mA
POM

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)
DC 2 wire 10-60V N.O.
DC 2 wire 10-60V 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 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O & N.C.)

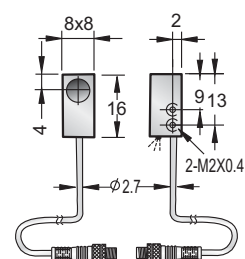
[illegible][illegible]

Dimensions (unit: mm)



Cable 2M (PVC)
Weight

2.7 ϕ 3x0.15
Approx.16 g



Cable 0.3m PUR with m8x1 connect
Approx.15 g

DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS

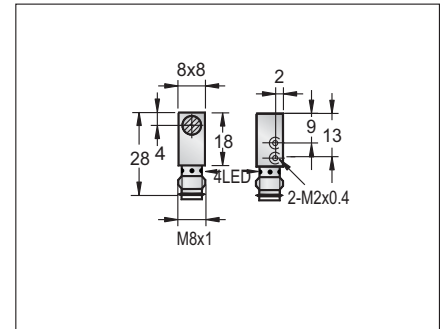
Q8
●
1mm
Nickel plated brass
●



10-30VDC
≤10%

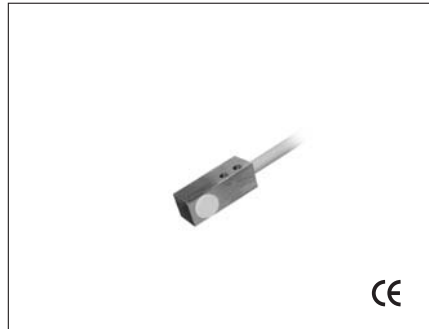
10-30VDC
<10%
<10mA
200mA
<0.01mA
<1.5V
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70 °C
<10%(Sr)
YES
220mA
POM

P1S1B8801NOPR3	25
P1S1B8801NCPR3	25
P1S1B8801POPR3	26
P1S1B8801PCPR3	26



Cable 0.3m PUR with m8x1 connect
Approx.6.0 g

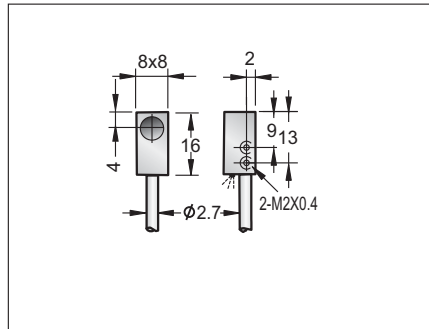
Q8
●
2mm
Nickel plated brass
●



10-30VDC
±10%

10-30VDC
<10%
<10mA
200mA
<0.01mA
<2.0V
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
POM

P1S1B8802NO3R2	1
P1S1B8802NC3R2	2
P1S1B8802PO3R2	3
P1S1B8802PC3R2	4



2.7 ϕ 3x0.15
Approx.16 g

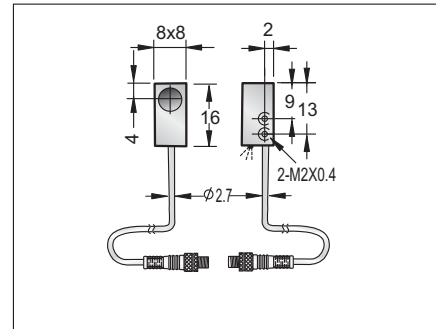
Q8
●
2mm
Nickel plated brass
●



10-30VDC
±10%

10-30VDC
<10%
<10mA
200mA
<0.01mA
<2.0V
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
POM

P1S1B8802NOTR3	25
P1S1B8802NCTR3	25
P1S1B8802POTR3	26
P1S1B8802PCTR3	26



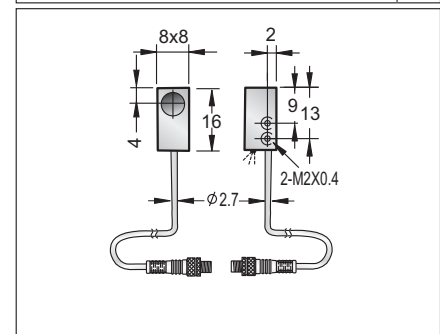
Cable 0.3m PUR with m8x1 connect
Approx.15 g

DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS

Q8
●
3mm
Nickel plated brass
●



10-30VDC
<10%
<10mA
200mA
<0.01mA
<2.0V
1KHZ
0.2ms/0.2ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
POM

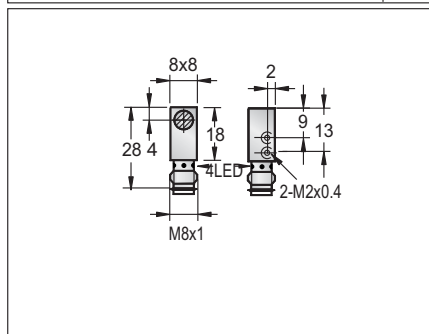
[illegible]

Cable 0.3m PUR with m8x1 connect
Approx15 g

Q8
●
3mm
Nickel plated brass
●



10-30VDC
<10%
<10mA
200mA
<0.01mA
<2.0V
1KHZ
0.2ms/0.2ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
POM

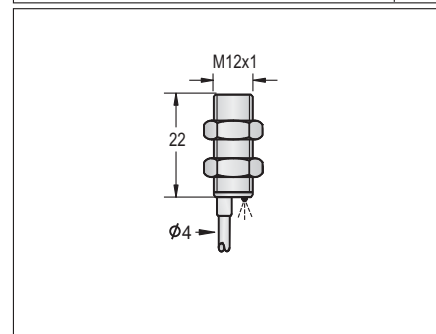
[illegible]

-
Approx.6.0 g

M12
●
2mm
Nickel plated brass
●



10-30VDC
<10%
<10mA
200mA
<0.01mA
<2.0V
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
POM

[illegible]

4ø 3x0.15
Approx.40 g

DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS

Diameter
☒ Shielded ☐ Non-shielded
Switching Distance Sn: mm
Housing Material
☒ With LED ☐ Without LED

Picture

M12
●
2mm
Nickel plated brass
●



CE

M12
●
4mm
Nickel plated brass
●



CE

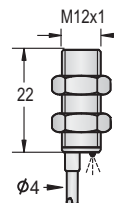
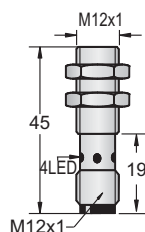
Operating Voltage
Ripple
No Load Current
Max. Load Current
Leakage Current
Voltage Drop
Switching Frequency
Response Time
Switching Hysteresis
Repeat Accuracy
Protection Category
Operating Temperature
Temperature Drift
Short Circuit Protection
Overload Trip Point
Material Active Face

10-30VDC
<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
POM

10-30VDC
<10%
<10mA
200mA
<0.01mA
<2.0V
1KHZ
0.2ms/0.2ms
<15%(Sr)
<1.0%(Sr)
IP67
-25℃ - +70℃
<10%(Sr)
YES
220mA
POM

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)
DC 2 wire 10-60V N.O.
DC 2 wire 10-60V 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 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O. & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

Dimensions (unit: mm)



Cable 2M (PVC)
Weight

-
Approx.25 g

4 ϕ 3x0.15
Approx.40 g

DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS

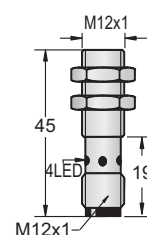
M12
●
6mm
Nickel plated brass
●



CE

10-30VDC
<10%
<10mA
200mA
<0.01mA
<2.0V
800HZ
0.2ms/0.2ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70 °C
<10%(Sr)
YES
220mA
POM

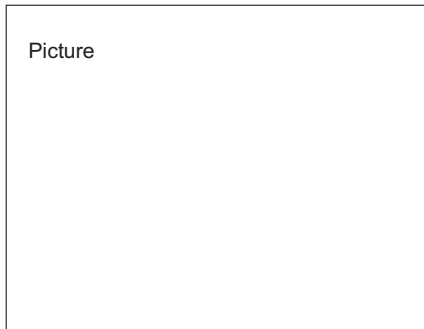
P1C1B1206NOER4	31
P1C1B1206NCER4	32
P1C1B1206POER4	33
P1C1B1206PCER4	34



-
Approx.25 g

DC INDUCTIVE PROXIMITY SENSORS

Diameter
● Shielded ○ Non-shielded
Switching Distance Sn: mm
Housing Material
● With LED ○ Without LED



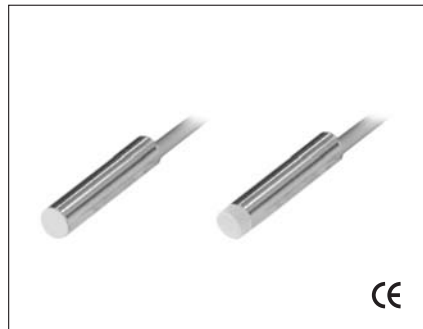
Operating Voltage
Ripple
No Load Current
Max. Load Current
Leakage Current
Voltage Drop
Switching Frequency
Response Time
Switching Hysteresis
Repeat Accuracy
Protection Category
Operating Temperature
Temperature Drift
Short Circuit Protection
Overload Trip Point
Material Active Face

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)
DC 2 wire 10-60V N.O. *
DC 2 wire 10-60V 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 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O. & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

Dimensions (unit: mm)
* : DC 2wire 10-60V specifications see page 3-05. Other is same.

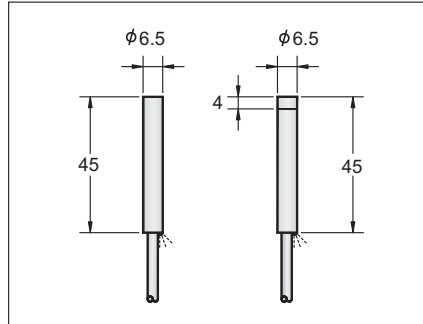
Cable 2M (PVC)
Weight

φ6.5
● ○
1mm 2mm
Stainless steel
●



10-30VDC / 5-36VDC / 10-55V / 10-60VDC
<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
POM

P1D1S6.501NO3A2	1	P1D2S6.502NO3A2
P1D1S6.501NC3A2	2	P1D2S6.502NC3A2
P1D1S6.501PO3A2	3	P1D2S6.502PO3A2
P1D1S6.501PC3A2	4	P1D2S6.502PC3A2
P1D1S6.501PS4A2	6	P1D2S6.502PS4A2
P1D1S6.501NS4A2	5	P1D2S6.502NS4A2
P4D1S6.501CO2A2	7	P4D2S6.502CO2A2
P4D1S6.501CC2A2	8	P4D2S6.502CC2A2
P3D1S6.501NO3A2	1	P3D2S6.502NO3A2
P3D1S6.501NC3A2	2	P3D2S6.502NC3A2
P3D1S6.501PO3A2	3	P3D2S6.502PO3A2
P3D1S6.501PC3A2	4	P3D2S6.502PC3A2
P2D1S6.501NO3A2	1	P2D2S6.502NO3A2
P2D1S6.501NC3A2	2	P2D2S6.502NC3A2
P2D1S6.501PO3A2	3	P2D2S6.502PO3A2
P2D1S6.501PC3A2	4	P2D2S6.502PC3A2
P2D1S6.501PS4A2	6	P2D2S6.502PS4A2
P2D1S6.501NS4A2	5	P2D2S6.502NS4A2



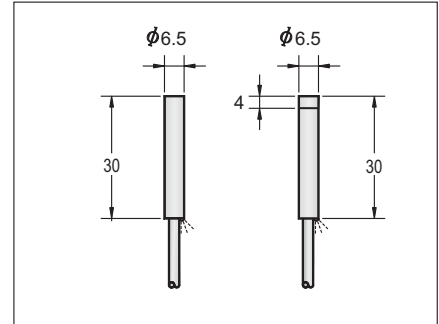
3φ 3x0.15 or 3φ 4x0.15
Approx.36 g

φ6.5
● ○
1mm 2mm
Stainless steel
●



10-30VDC / 5-36VDC
<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
POM

P1D1S6.501NO3S2	1	P1D2S6.502NO3S2
P1D1S6.501NC3S2	2	P1D2S6.502NC3S2
P1D1S6.501PO3S2	3	P1D2S6.502PO3S2
P1D1S6.501PC3S2	4	P1D2S6.502PC3S2
P2D1S6.501NO3S2	1	P2D2S6.502NO3S2
P2D1S6.501NC3S2	2	P2D2S6.502NC3S2
P2D1S6.501PO3S2	3	P2D2S6.502PO3S2
P2D1S6.501PC3S2	4	P2D2S6.502PC3S2



3 φ 3x0.15
Approx.40 g

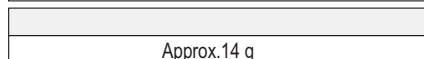
DC INDUCTIVE PROXIMITY SENSORS



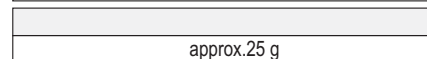
P1D1S6.501NOPA3	25	P1D2S6.502NOPA3
P1D1S6.501NCPA3	25	P1D2S6.502NCPA3
P1D1S6.501POPA3	26	P1D2S6.502POPA3
P1D1S6.501PCPA3	26	P1D2S6.502PCPA3
P1D1S6.501PSPA4	28	P1D2S6.502PSPA4
P1D1S6.501NSPA4	27	P1D2S6.502NSPA4
P4D1S6.501COPA3	29	P4D2S6.502COPA3
P4D1S6.501CCPA3	30	P4D2S6.502CCPA3
P3D1S6.501NOPA3	25	P3D2S6.502NOPA3
P3D1S6.501NCPA3	25	P3D2S6.502NCPA3
P3D1S6.501POPA3	26	P3D2S6.502POPA3
P3D1S6.501PCPA3	26	P3D2S6.502PCPA3
P2D1S6.501NOPA3	25	P2D2S6.502NOPA3
P2D1S6.501NCPA3	25	P2D2S6.502NCPA3
P2D1S6.501POPA3	26	P2D2S6.502POPA3
P2D1S6.501PCPA3	26	P2D2S6.502PCPA3
P2D1S6.501PSPA4	28	P2D2S6.502PSPA4
P2D1S6.501NSPA4	27	P2D2S6.502NSPA4



P1D1S6.501NOPS3	25	P1D2S6.502NOPS3
P1D1S6.501NCPS3	25	P1D2S6.502NCPS3
P1D1S6.501POPS3	26	P1D2S6.502POPS3
P1D1S6.501PCPS3	26	P1D2S6.502PCPS3
P2D1S6.501NOPS3	25	P2D2S6.502NOPS3
P2D1S6.501NCPS3	25	P2D2S6.502NCPS3
P2D1S6.501POPS3	26	P2D2S6.502POPS3
P2D1S6.501PCPS3	26	P2D2S6.502PCPS3



P1D1S6.501NOEA4	31	P1D2S6.502NOEA4
P1D1S6.501NCEA4	32	P1D2S6.502NCEA4
P1D1S6.501POEA4	33	P1D2S6.502POEA4
P1D1S6.501PCEA4	34	P1D2S6.502PCEA4
P1D1S6.501PSEA4	36	P1D2S6.502PSEA4
P1D1S6.501NSEA4	35	P1D2S6.502NSEA4
P4D1S6.501COEA4	37	P4D2S6.502COEA4
P4D1S6.501CCEA4	38	P4D2S6.502CCEA4
P3D1S6.501NOEA4	31	P3D2S6.502NOEA4
P3D1S6.501NCEA4	32	P3D2S6.502NCEA4
P3D1S6.501POEA4	33	P3D2S6.502POEA4
P3D1S6.501PCEA4	34	P3D2S6.502PCEA4
P2D1S6.501NOEA4	31	P2D2S6.502NOEA4
P2D1S6.501NCEA4	32	P2D2S6.502NCEA4
P2D1S6.501POEA4	33	P2D2S6.502POEA4
P2D1S6.501PCEA4	34	P2D2S6.502PCEA4
P2D1S6.501PSEA4	36	P2D2S6.502PSEA4
P2D1S6.501NSEA4	35	P2D2S6.502NSEA4



DC INDUCTIVE PROXIMITY SENSORS

[illegible]

3 ϕ 3x0.15
Approx.33 g

[illegible]

Approx.17 g	Approx.16 g
-------------	-------------

[illegible]

Approx.15 g	Approx.14 g
-------------	-------------

DC INDUCTIVE PROXIMITY SENSORS

Diameter

● Shielded	○ Non-shielded
Switching Distance Sn: mm	
Housing Material	
● With LED	○ Without LED

Picture

Operating Voltage
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

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)
DC 2 wire 10-60V N.O.
DC 2 wire 10-60V 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 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O & N.C.)

Dimensions (unit: mm)

Cable 2M (PVC)
Weight

Ø 6.5

	
2mm	4mm
stainless steel or nickel plated brass	
	



10-30VDC	
<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	
POM	

[illegible]

approx. 25 g

Ø 6.5

	
2 mm	4 mm
stainless steel or nickel plated brass	
	



10-30VDC	
<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	
POM	

[illegible]

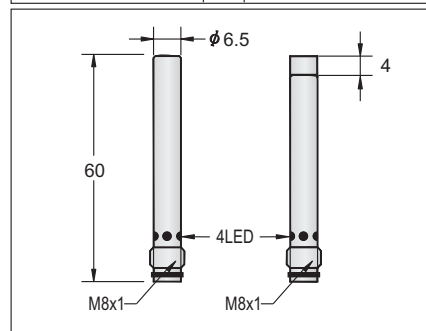
Approx. 20 g

DC INDUCTIVE PROXIMITY SENSORS

Ø 6.5	
	
3mm	6mm
Nickel plated brass	
	

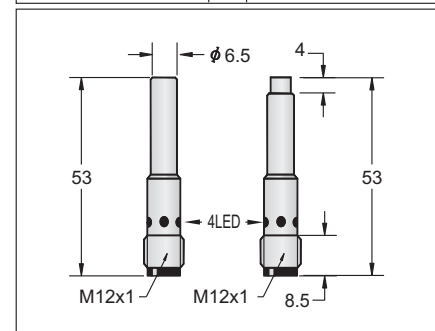


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
PQM	

[illegible]

Approx.17 g	Approx.16 g
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DC INDUCTIVE PROXIMITY SENSORS

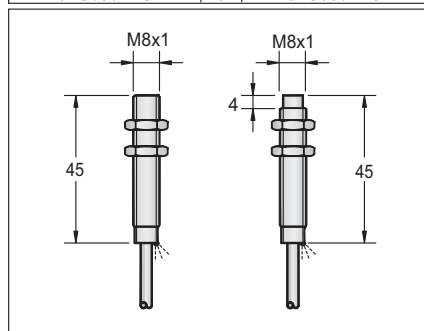
[illegible]

Approx.20 g	Approx.19 g
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Two stainless steel cable sensors are shown side-by-side. Each sensor has a cylindrical body with a hexagonal nut-like section in the middle and a threaded rod extending from one end. A thin cable is attached to the other end of the body. A CE mark is visible in the bottom right corner of the image.

P1C1S0801N03A2	1	P1C2S0802N03A2
P1C1S0801NC3A2	2	P1C2S0802NC3A2
P1C1S0801P03A2	3	P1C2S0802P03A2
P1C1S0801PC3A2	4	P1C2S0802PC3A2
P1C1S0801PS4A2	6	P1C2S0802PS4A2
P1C1S0801NS4A2	5	P1C2S0802NS4A2
P4C1S0801C02A2	7	P4C2S0802C02A2
P4C1S0801CC2A2	8	P4C2S0802CC2A2
P3C1S0801N03A2	1	P3C2S0802N03A2
P3C1S0801NC3A2	2	P3C2S0802NC3A2
P3C1S0801P03A2	3	P3C2S0802P03A2
P3C1S0801PC3A2	4	P3C2S0802PC3A2
P2C1S0801N03A2	1	P2C2S0802N03A2
P2C1S0801NC3A2	2	P2C2S0802NC3A2
P2C1S0801P03A2	3	P2C2S0802P03A2
P2C1S0801PC3A2	4	P2C2S0802PC3A2
P2C1S0801PS4A2	6	P2C2S0802PS4A2
P2C1S0801NS4A2	5	P2C2S0802NS4A2

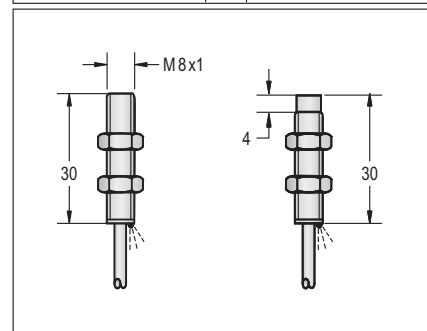


3 ϕ 3x0.15 or 3 ϕ 4x0.15	
Approx.47 g	Approx.45 g



Two views of the cable connector are shown. The left view is a side profile, showing the cylindrical body, the hexagonal nut, and the cable extending from the back. The right view is a front-facing view, showing the hexagonal nut and the cable extending from the front.

P1C1S0801NO3S2	1	P1C2S0802NO3S2
P1C1S0801NC3S2	2	P1C2S0802NC3S2
P1C1S0801PO3S2	3	P1C2S0802PO3S2
P1C1S0801PC3S2	4	P1C2S0802PC3S2
P2C1S0801NO3S2	1	P2C2S0802NO3S2
P2C1S0801NC3S2	2	P2C2S0802NC3S2
P2C1S0801PO3S2	3	P2C2S0802PO3S2
P2C1S0801PC3S2	4	P2C2S0802PC3S2



3 ϕ 3x0.15	
Approx.40 g	Approx.38 g

DC INDUCTIVE PROXIMITY SENSORS

Picture

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)
DC 2 wire 10-60V N.O. *
DC 2 wire 10-60V 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 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O & N.C.)

Cable 2M (PVC)
Weight

P1C1S0801NOPA3	25	P1C2S0802NOPA3
P1C1S0801NCPA3	25	P1C2S0802NCPA3
P1C1S0801POPA3	26	P1C2S0802POPA3
P1C1S0801PCPA3	26	P1C2S0802PCPA3
P1C1S0801PSPA4	28	P1C2S0802PSPA4
P1C1S0801NSPA4	27	P1C2S0802NSPA4
P4C1S0801COPA3	29	P4C2S0802COPA3
P4C1S0801CCPA3	30	P4C2S0802CCPA3
P3C1S0801NOPA3	25	P3C2S0802NOPA3
P3C1S0801NCPA3	25	P3C2S0802NCPA3
P3C1S0801POPA3	26	P3C2S0802POPA3
P3C1S0801PCPA3	26	P3C2S0802PCPA3
P2C1S0801NOPA3	25	P2C2S0802NOPA3
P2C1S0801NCPA3	25	P2C2S0802NCPA3
P2C1S0801POPA3	26	P2C2S0802POPA3
P2C1S0801PCPA3	26	P2C2S0802PCPA3
P2C1S0801PSPA4	28	P2C2S0802PSPA4
P2C1S0801NSPA4	27	P2C2S0802NSPA4

Approx. 15 g	Approx. 14 g
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P1C1S0801NOPS3	25	P1C2S0802NOPS3
P1C1S0801NCPS3	25	P1C2S0802NCPS3
P1C1S0801POPS3	26	P1C2S0802POPS3
P1C1S0801PCPS3	26	P1C2S0802PCPS3
P2C1S0801NOPS3	25	P2C2S0802NOPS3
P2C1S0801NCPS3	25	P2C2S0802NCPS3
P2C1S0801POPS3	26	P2C2S0802POPS3
P2C1S0801PCPS3	26	P2C2S0802PCPS3

Approx.12 g	Approx.11 g
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DC INDUCTIVE PROXIMITY SENSORS

P1C1S0801NOEA4	31	P1C2S0802NOEA4
P1C1S0801NCEA4	32	P1C2S0802NCEA4
P1C1S0801POEA4	33	P1C2S0802POEA4
P1C1S0801PCEA4	34	P1C2S0802PCEA4
P1C1S0801PSEA4	36	P1C2S0802PSEA4
P1C1S0801NSEA4	35	P1C2S0802NSEA4
P4C1S0801COEA4	37	P4C2S0802COEA4
P4C1S0801CCEA4	38	P4C2S0802CCEA4
P3C1S0801NOEA4	31	P3C2S0802NOEA4
P3C1S0801NCEA4	32	P3C2S0802NCEA4
P3C1S0801POEA4	33	P3C2S0802POEA4
P3C1S0801PCEA4	34	P3C2S0802PCEA4
P2C1S0801NOEA4	31	P2C2S0802NOEA4
P2C1S0801NCEA4	32	P2C2S0802NCEA4
P2C1S0801POEA4	33	P2C2S0802POEA4
P2C1S0801PCEA4	34	P2C2S0802PCEA4
P2C1S0801PSEA4	36	P2C2S0802PSEA4
P2C1S0801NSEA4	35	P2C2S0802NSEA4

Approx.22 g	Approx.21 g
-------------	-------------



P1C1B0801NOES4	31	P1C2B0802NOES4
P1C1B0801NCES4	32	P1C2B0802NCES4
P1C1B0801POES4	33	P1C2B0802POES4
P1C1B0801PCES4	34	P1C2B0802PCES4
P2C1B0801NOES4	31	P2C2B0802NOES4
P2C1B0801NCES4	32	P2C2B0802NCES4
P2C1B0801POES4	33	P2C2B0802POES4
P2C1B0801PCES4	34	P2C2B0802PCES4

Approx.17 g	Approx.15 g
-------------	-------------



CE

[illegible]

3 Ø 3x0.15 or 3 Ø 4x0.15	
Approx.40 g	Approx.38 g

DC INDUCTIVE PROXIMITY SENSORS

Diameter

☒ Shielded ☐ Non-shielded
Switching Distance Sn: mm
Housing Material
☒ With LED ☐ Without LED

Picture

Operating Voltage
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

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)
DC 2 wire 10-60V N.O.
DC 2 wire 10-60V 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 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O & N.C.)

Dimensions (unit: mm)

Cable 2M (PVC)
Weight

M8

●	○
2mm	4mm
Stainless steel or Nickel plated brass	
●	



Two views of the M12 connector are shown. The left view is a side profile, showing the cylindrical body, the hexagonal nut, and the cable. The right view is a front view, showing the circular face of the connector with a central pin and a surrounding ring. A CE mark is visible in the bottom right corner of the image area.

10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
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	

[illegible]

Technical drawings of a bolted joint. The left drawing shows a side view of a bolt with a 30mm length and an M8x1 thread. The right drawing shows a top view of the bolt with a 4mm diameter and a 30mm length.

3 ϕ 3x0.15	
Approx.47 g	Approx.45 g

M8

●	○
2mm	4mm
Stainless steel	
●	



10-30VDC	
<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	
POM	

[illegible]

Approx.15 g	Approx.14 g

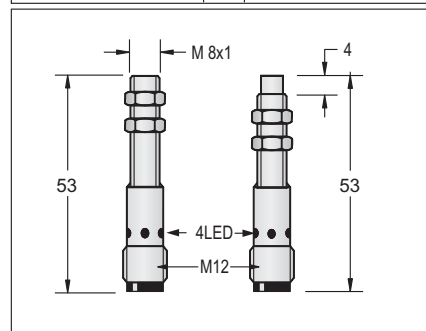
DC INDUCTIVE PROXIMITY SENSORS

M8	
	
2 mm	4 mm
Stainless steel or Nickel plated brass	
	



10-30VDC	
<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	
POM	

P1C1B0802NOES4	31	P1C2B0804NOES4
P1C1B0802NCES4	32	P1C2B0804NCES4
P1C1B0802POES4	33	P1C2B0804POES4
P1C1B0802PCES4	34	P1C2B0804PCES4



Approx. 17 g	Approx. 15 g
--------------	--------------

DC INDUCTIVE PROXIMITY SENSORS

Diameter

☒ Shielded ☐ Non-shielded
Switching Distance Sn: mm
Housing Material
☒ With LED ☐ Without LED

Picture

Operating Voltage
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

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)
DC 2 wire 10-60V N.O.
DC 2 wire 10-60V 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 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O. & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

Dimensions (unit: mm)

Cable 2M (PVC)
Weight

M8

	
3mm	6mm
Stainless steel or Nickel plated brass	
	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70 °C	
<10%(Sr)	
YES	
220mA	
POM	

[illegible]

Technical drawings of two types of fasteners, both labeled M8x1.

The left drawing shows a standard bolt with a total length of 45. It features a hexagonal head and a threaded shank.

The right drawing shows a bolt with a lock washer. The bolt has a total length of 45, and the lock washer has a thickness of 4. It also features a hexagonal head and a threaded shank.

3 ϕ 3x0.15	
Approx.47 g	Approx.45 g

M8

	
3mm	6mm
Stainless steel or Nickel plated brass	
	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
POM	

[illegible]

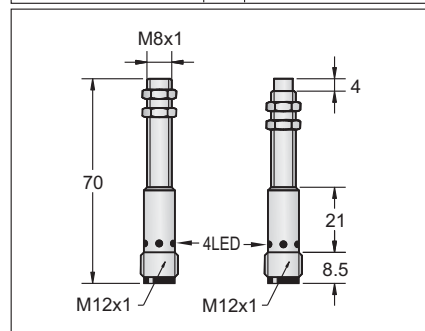
3 ϕ 3x0.15	
Approx.40 g	Approx.38 g

DC INDUCTIVE PROXIMITY SENSORS

M8	
	
3mm	6mm
Stainless steel or Nickel plated brass	
	



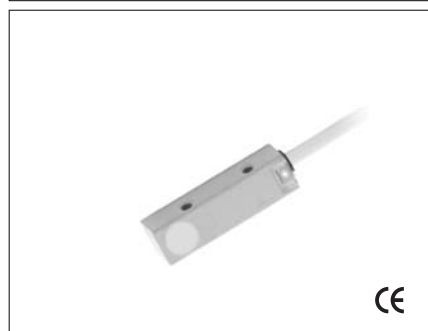
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70 °C	
<10%(Sr)	
YES	
220mA	
POM	

[illegible]

Approx.22 g	Approx.21 g
-------------	-------------

DC INDUCTIVE PROXIMITY SENSORS

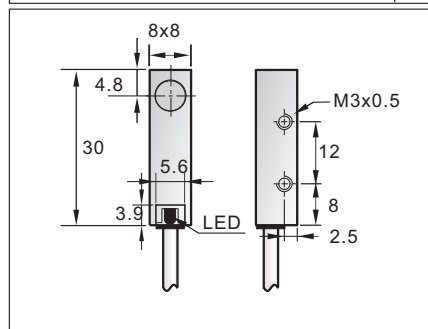
Q8
●
1 mm
Nickel plated brass
●



10-30VDC \ 5-36VDC
<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
POM

P1S1B8801NO3S2	1
P1S1B8801NC3S2	2
P1S1B8801PO3S2	3
P1S1B8801PC3S2	4

P2S1B8801NO3S2	1
P2S1B8801NC3S2	2
P2S1B8801PO3S2	3
P2S1B8801PC3S2	4



3 ∅ 3x0.15
Approx.38 g

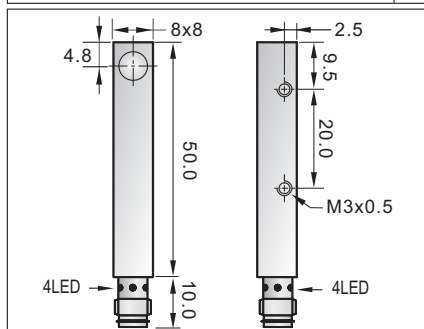
Q8
●
1 mm
Nickel plated brass
●



10-30VDC / 5-36VDC
<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
POM

P1S1B8801NOPA3	25
P1S1B8801NCPA3	25
P1S1B8801POPA3	26
P1S1B8801PCPA3	26

P2S1B8801NOPA3	25
P2S1B8801NCPA3	25
P2S1B8801POPA3	26
P2S1B8801PCPA3	26



Approx.38 g

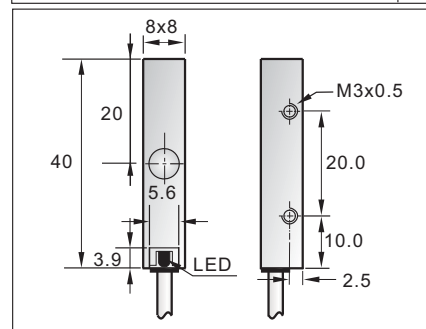
Q8
●
1 mm
Nickel plated brass
●



10-30VDC / 5-36VDC
<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
POM

P1S1B8801NO3A2M	1
P1S1B8801NC3A2M	2
P1S1B8801PO3A2M	3
P1S1B8801PC3A2M	4

P2S1B8801NO3A2M	1
P2S1B8801NC3A2M	2
P2S1B8801PO3A2M	3
P2S1B8801PC3A2M	4



3 ∅ 3x0.15
Approx.38 g

DC INDUCTIVE PROXIMITY SENSORS

Diameter
☒ Shielded ☐ Non-shielded
Switching Distance Sn: mm
Housing Material
☒ With LED ☐ Without LED

Picture

Operating Voltage
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

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)
DC 2 wire 10-60V N.O.
DC 2 wire 10-60V 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 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O & N.C.)

Dimensions (unit: mm)

Cable 2M (PVC)
Weight

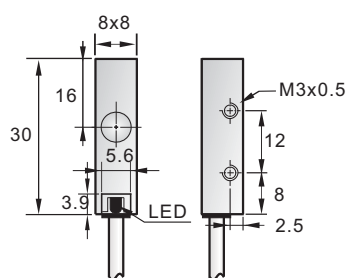
Q8
●
1 mm
Nickel plated brass
●



CE

10-30VDC \ 5-36VDC
<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
POM

P1S1B8801NO3S2M	1
P1S1B8801NC3S2M	2
P1S1B8801PO3S2M	3
P1S1B8801PC3S2M	4
P2S1B8801NO3S2M	1
P2S1B8801NC3S2M	2
P2S1B8801PO3S2M	3
P2S1B8801PC3S2M	4



3 ϕ 3x0.15
Approx.38 g

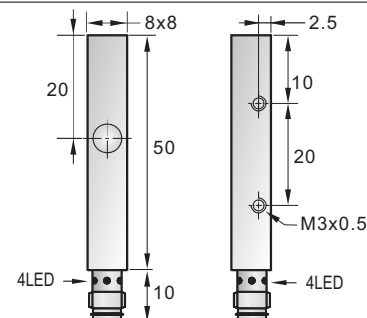
Q8
●
1 mm
Nickel plated brass
●



CE

10-30VDC / 5-36VDC
<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
POM

P1S1B8801NOPA3M	25
P1S1B8801NCPA3M	25
P1S1B8801POPA3M	26
P1S1B8801PCPA3M	26
P2S1B8801NOPA3M	25
P2S1B8801NCPA3M	25
P2S1B8801POPA3M	26
P2S1B8801PCPA3M	26



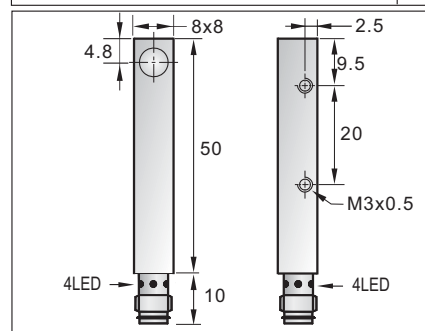
	Approx.38 g

DC INDUCTIVE PROXIMITY SENSORS

Q8
●
2 mm
Nickel plated brass
●



10-30VDC
<10%
<10mA
200mA
<0.01mA
<2.0V
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
YES
220mA
POM

[illegible]

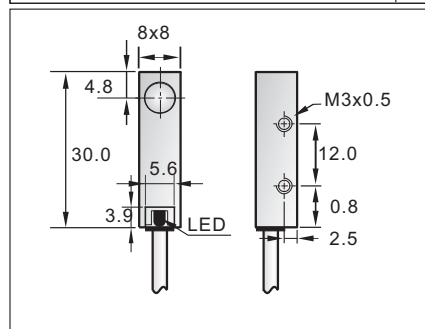
	Approx. 38 g

DC INDUCTIVE PROXIMITY SENSORS

Q8
●
3 mm
Nickel plated brass
●



10-30VDC
<10%
<10mA
200mA
<0.01mA
<2.0V
1KHZ
0.2ms/0.2ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
YES
220mA
POM

[illegible]

3 ϕ 3x0.15
Approx. 38 g

DC INDUCTIVE PROXIMITY SENSORS

Diameter
● Shielded ○ Non-shielded
Switching Distance Sn: mm
Housing Material
● With LED ○ Without LED

Picture

Operating Voltage
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

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)
DC 2 wire 10-60V N.O. *
DC 2 wire 10-60V 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 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O. & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

Dimensions (unit: mm)

* : DC 2wire 10-60V specifications see page 3-05. Other is same.

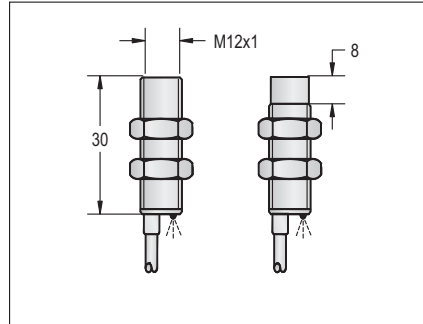
Cable 2M (PVC)
Weight

M12
● ○
2 mm 4 mm
Nickel plated brass
●



10-30VDC / 5-36VDC / 10-55VDC / 10-60VDC
<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
POM PBT

P1C1B1202NO3S2	1	P1C2B1204NO3S2
P1C1B1202NC3S2	2	P1C2B1204NC3S2
P1C1B1202PO3S2	3	P1C2B1204PO3S2
P1C1B1202PC3S2	4	P1C2B1204PC3S2
P4C1B1202CO2S2	7	P4C2B1204CO2S2
P4C1B1202CC2S2	8	P4C2B1204CC2S2
P3C1B1202NO3S2	1	P3C2B1204NO3S2
P3C1B1202NC3S2	2	P3C2B1204NC3S2
P3C1B1202PO3S2	3	P3C2B1204PO3S2
P3C1B1202PC3S2	4	P3C2B1204PC3S2
P2C1B1202NO3S2	1	P2C2B1204NO3S2
P2C1B1202NC3S2	2	P2C2B1204NC3S2
P2C1B1202PO3S2	3	P2C2B1204PO3S2
P2C1B1202PC3S2	4	P2C2B1204PC3S2



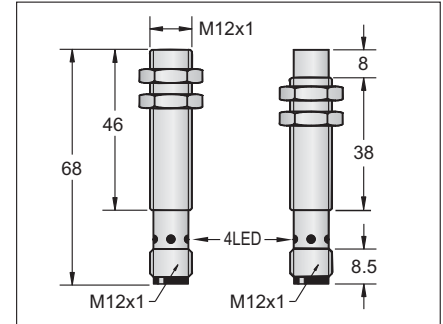
4 φ 3x0.15
Approx.62 g Approx.60 g

M12
● ○
2 mm 4 mm
Nickel plated brass
●



10-30VDC / 5-36VDC / 10-55VDC / 10-60VDC
<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
POM PBT

P1C1B1202NOEA4	31	P1C2B1204NOEA4
P1C1B1202NCEA4	32	P1C2B1204NCEA4
P1C1B1202POEA4	33	P1C2B1204POEA4
P1C1B1202PCEA4	34	P1C2B1204PCEA4
P1C1B1202PSEA4	36	P1C2B1204PSEA4
P1C1B1202NSEA4	35	P1C2B1204NSEA4
P4C1B1202COEA4	37	P4C2B1204COEA4
P4C1B1202CCEA4	38	P4C2B1204CCEA4
P3C1B1202NOEA4	31	P3C2B1204NOEA4
P3C1B1202NCEA4	32	P3C2B1204NCEA4
P3C1B1202POEA4	33	P3C2B1204POEA4
P3C1B1202PCEA4	34	P3C2B1204PCEA4
P2C1B1202NOEA4	31	P2C2B1204NOEA4
P2C1B1202NCEA4	32	P2C2B1204NCEA4
P2C1B1202POEA4	33	P2C2B1204POEA4
P2C1B1202PCEA4	34	P2C2B1204PCEA4
P2C1B1202PSEA4	36	P2C2B1204PSEA4
P2C1B1202NSEA4	35	P2C2B1204NSEA4



Approx.31 g Approx.30 g

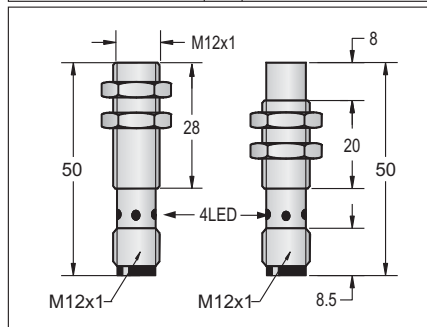
DC INDUCTIVE PROXIMITY SENSORS

M12	
●	○
2 mm	4 mm
Nickel plated brass	
●	



10-30VDC / 5-36VDC / 10-55VDC / 10-60VDC	
<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	
POM	PBT

P1C1B1202NOES4	31	P1C2B1204NOES4
P1C1B1202NCES4	32	P1C2B1204NCES4
P1C1B1202POES4	33	P1C2B1204POES4
P1C1B1202PCES4	34	P1C2B1204PCES4
P4C1B1202COES4	37	P4C2B1204COES4
P4C1B1202CCES4	38	P4C2B1204CCES4
P3C1B1202NOES4	31	P3C2B1204NOES4
P3C1B1202NCES4	32	P3C2B1204NCES4
P3C1B1202POES4	33	P3C2B1204POES4
P3C1B1202PCES4	34	P3C2B1204PCES4
P2C1B1202NOES4	31	P2C2B1204NOES4
P2C1B1202NCES4	32	P2C2B1204NCES4
P2C1B1202POES4	33	P2C2B1204POES4
P2C1B1202PCES4	34	P2C2B1204PCES4



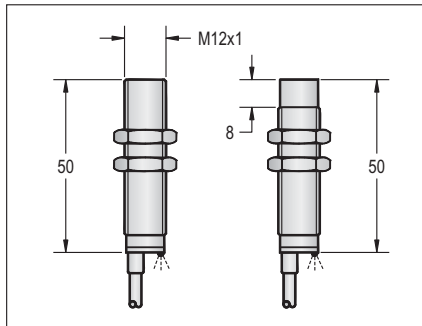
approx.25 g	Approx.23 g
-------------	-------------

M12	
●	○
4 mm	8 mm
Nickel plated brass	
●	



10-30VDC / 5-36VDC / 10-55VDC / 10-60VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
POM	PBT

P1C1B1204NO3A2	1	P1C2B1208NO3A2
P1C1B1204NC3A2	2	P1C2B1208NC3A2
P1C1B1204PO3A2	3	P1C2B1208PO3A2
P1C1B1204PC3A2	4	P1C2B1208PC3A2
P1C1B1204PS4A2	6	P1C2B1208PS4A2
P1C1B1204NS4A2	5	P1C2B1208NS4A2
P4C1B1204CO2A2	7	P4C2B1208CO2A2
P4C1B1204CC2A2	8	P4C2B1208CC2A2
P3C1B1204NO3A2	1	P3C2B1208NO3A2
P3C1B1204NC3A2	2	P3C2B1208NC3A2
P3C1B1204PO3A2	3	P3C2B1208PO3A2
P3C1B1204PC3A2	4	P3C2B1208PC3A2
P2C1B1204NO3A2	1	P2C2B1208NO3A2
P2C1B1204NC3A2	2	P2C2B1208NC3A2
P2C1B1204PO3A2	3	P2C2B1208PO3A2
P2C1B1204PC3A2	4	P2C2B1208PC3A2
P2C1B1204PS4A2	6	P2C2B1208PS4A2
P2C1B1204NS4A2	5	P2C2B1208NS4A2



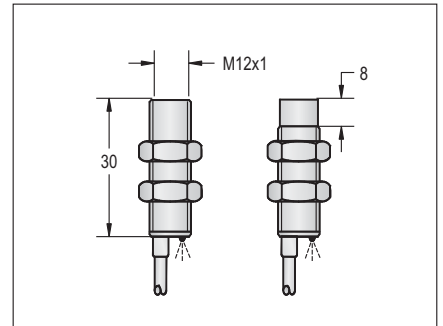
4 Ø 3x0.15 or 4 Ø 4x0.15	
Approx.67 g	Approx.65 g

M12	
●	○
4 mm	8 mm
Nickel plated brass	
●	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
POM	PBT

P1C1B1204NO3S2	1	P1C2B1208NO3S2
P1C1B1204NC3S2	2	P1C2B1208NC3S2
P1C1B1204PO3S2	3	P1C2B1208PO3S2
P1C1B1204PC3S2	4	P1C2B1208PC3S2



4 Ø 3x0.15	
Approx.62 g	Approx.60 g

DC INDUCTIVE PROXIMITY SENSORS

Diameter
☒ Shielded ☐ Non-shielded
Switching Distance Sn: mm
Housing Material
☒ With LED ☐ Without LED

Picture

M12	
	
4 mm	8 mm
Nickel plated brass	
	

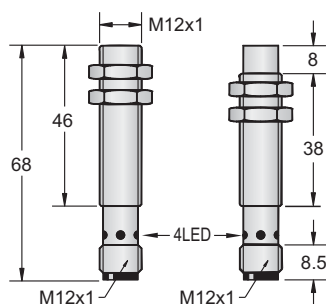


CE

10-30VDC / 5-36VDC / 10-55VDC / 10-60VDC	
<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	
POM	PBT

P1C1B1204NOEA4	31	P1C2B1208NOEA4
P1C1B1204NCEA4	32	P1C2B1208NCEA4
P1C1B1204POEA4	33	P1C2B1208POEA4
P1C1B1204PCEA4	34	P1C2B1208PCEA4
P1C1B1204PSEA4	36	P1C2B1208PSEA4
P1C1B1204NSEA4	35	P1C2B1208NSEA4
P4C1B1204COEA4	37	P4C2B1208COEA4
P4C1B1204CCEA4	38	P4C2B1208CCEA4
P3C1B1204NOEA4	31	P3C2B1208NOEA4
P3C1B1204NCEA4	32	P3C2B1208NCEA4
P3C1B1204POEA4	33	P3C2B1208POEA4
P3C1B1204PCEA4	34	P3C2B1208PCEA4
P2C1B1204NOEA4	31	P2C2B1208NOEA4
P2C1B1204NCEA4	32	P2C2B1208NCEA4
P2C1B1204POEA4	33	P2C2B1208POEA4
P2C1B1204PCEA4	34	P2C2B1208PCEA4
P2C1B1204PSEA4	36	P2C2B1208PSEA4
P2C1B1204NSEA4	35	P2C2B1208NSEA4

Dimensions (unit: mm)



* : DC 2wire 10-60V specifications
see page 3-05. Other is same.

Cable 2M (PVC)
Weight

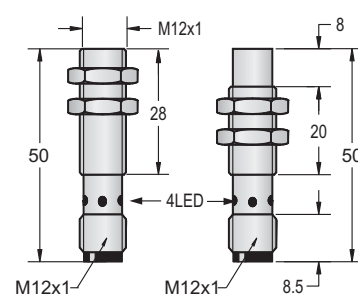
Approx. 31 g	Approx. 30 g
--------------	--------------

M12	
	
4 mm	8 mm
Nickel plated brass	
	



CE

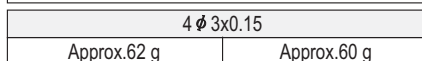
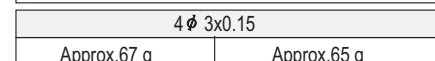
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
POM	PRT

[illegible]

approx.25 g	Approx.23 g
-------------	-------------

DC INDUCTIVE PROXIMITY SENSORS

Two stainless steel cable glands are shown, each with a cable passing through it. A CE mark is visible in the bottom right corner of the image.



DC INDUCTIVE PROXIMITY SENSORS

Diameter
☒ Shielded ☐ Non-shielded
Switching Distance Sn: mm
Housing Material
☒ With LED ☐ Without LED

Picture

M12	
	
6 mm	10 mm
Nickel plated brass	
	



CE

M18	
	
5 mm	8 mm
stainless steel or nickel plated brass	
	



CE

Operating Voltage
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

10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
800HZ	400HZ
0.2ms/0.2ms	0.3ms/0.3ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
POM	PBT

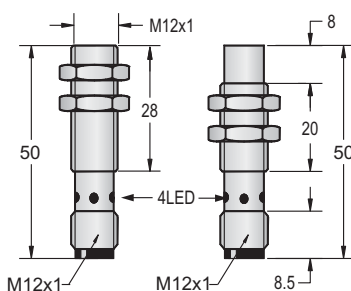
10-30VDC / 5-36VDC / 10-55VDC / 10-60VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<1.5V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
PRT	

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)
DC 2 wire 10-60V N.O. *
DC 2 wire 10-60V 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 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O & N.C.)

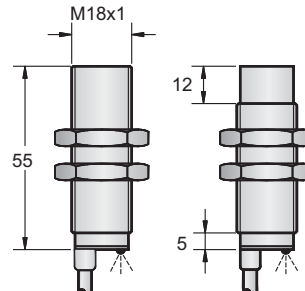
[illegible]

P1C1B1805N03A2	1	P1C2B1808N03A2
P1C1B1805NC3A2	2	P1C2B1808NC3A2
P1C1B1805PO3A2	3	P1C2B1808PO3A2
P1C1B1805PC3A2	4	P1C2B1808PC3A2
P1C1B1805PS4A2	6	P1C2B1808PS4A2
P1C1B1805NS4A2	5	P1C2B1808NS4A2
P4C1B1805C02A2	7	P4C2B1808C02A2
P4C1B1805CC2A2	8	P4C2B1808CC2A2
P3C1B1805N03A2	1	P3C2B1808N03A2
P3C1B1805NC3A2	2	P3C2B1808NC3A2
P3C1B1805PO3A2	3	P3C2B1808PO3A2
P3C1B1805PC3A2	4	P3C2B1808PC3A2
P2C1B1805N03A2	1	P2C2B1808N03A2
P2C1B1805NC3A2	2	P2C2B1808NC3A2
P2C1B1805PO3A2	3	P2C2B1808PO3A2
P2C1B1805PC3A2	4	P2C2B1808PC3A2
P2C1B1805PS4A2	6	P2C2B1808PS4A2
P2C1B1805NS4A2	5	P2C2B1808NS4A2

Dimensions (unit: mm)



* : DC 2wire 10-60V specifications
see page 3-05. Other is same.



Cable 2M (PVC)
Weight

approx.25 g	Approx.23 g

5.8 ϕ 3x0.5 or 5.8 ϕ 4x0.5	
Approx.161 g	Approx.160 g

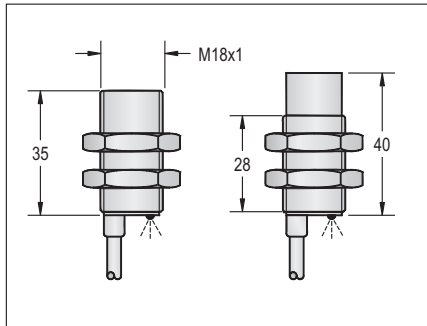
DC INDUCTIVE PROXIMITY SENSORS

M18	
●	○
5 mm	8 mm
stainless steel or nickel plated brass	
●	



10-30VDC / 5-36VDC / 10-55VDC / 10-60VDC	
<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	

P1C1B1805NO3S2	1	P1C2B1808NO3S2
P1C1B1805NC3S2	2	P1C2B1808NC3S2
P1C1B1805PO3S2	3	P1C2B1808PO3S2
P1C1B1805PC3S2	4	P1C2B1808PC3S2
P1C1B1805PS4S2	6	P1C2B1808PS4S2
P1C1B1805NS4S2	5	P1C2B1808NS4S2
P4C1B1805CO2S2	7	P4C2B1808CO2S2
P4C1B1805CC2S2	8	P4C2B1808CC2S2
P3C1B1805NO3S2	1	P3C2B1808NO3S2
P3C1B1805NC3S2	2	P3C2B1808NC3S2
P3C1B1805PO3S2	3	P3C2B1808PO3S2
P3C1B1805PC3S2	4	P3C2B1808PC3S2
P2C1B1805NO3S2	1	P2C2B1808NO3S2
P2C1B1805NC3S2	2	P2C2B1808NC3S2
P2C1B1805PO3S2	3	P2C2B1808PO3S2
P2C1B1805PC3S2	4	P2C2B1808PC3S2
P2C1B1805PS4S2	6	P2C2B1808PS4S2
P2C1B1805NS4S2	5	P2C2B1808NS4S2



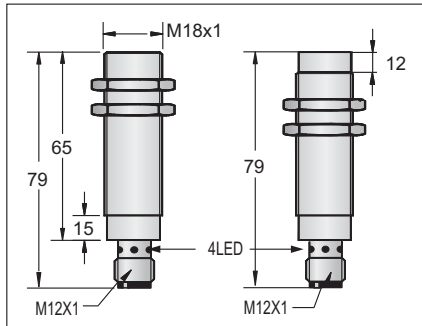
4φ 3x0.34 or 4φ 4x0.34	
Approx.132 g	Approx.134 g

M18	
●	○
5 mm	8 mm
stainless steel or nickel plated brass	
●	



10-30VDC / 5-36VDC / 10-55VDC / 10-60VDC	
<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	

P1C1B1805NOEA4	31	P1C2B1808NOEA4
P1C1B1805NCEA4	32	P1C2B1808NCEA4
P1C1B1805POEA4	33	P1C2B1808POEA4
P1C1B1805PCEA4	34	P1C2B1808PCEA4
P1C1B1805PSEA4	36	P1C2B1808PSEA4
P1C1B1805NSEA4	35	P1C2B1808NSEA4
P4C1B1805COEA4	37	P4C2B1808COEA4
P4C1B1805CCEA4	38	P4C2B1808CCEA4
P3C1B1805NOEA4	31	P3C2B1808NOEA4
P3C1B1805NCEA4	32	P3C2B1808NCEA4
P3C1B1805POEA4	33	P3C2B1808POEA4
P3C1B1805PCEA4	34	P3C2B1808PCEA4
P2C1B1805NOEA4	31	P2C2B1808NOEA4
P2C1B1805NCEA4	32	P2C2B1808NCEA4
P2C1B1805POEA4	33	P2C2B1808POEA4
P2C1B1805PCEA4	34	P2C2B1808PCEA4
P2C1B1805PSEA4	36	P2C2B1808PSEA4
P2C1B1805NSEA4	35	P2C2B1808NSEA4



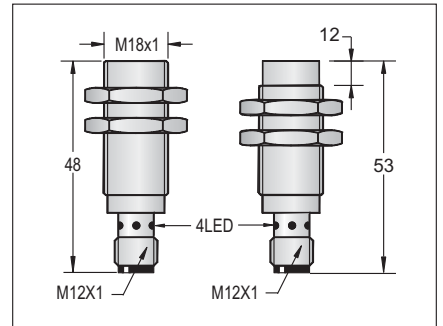
Approx.84 g	Approx.80 g
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M18	
●	○
5 mm	8 mm
stainless steel or nickel plated brass	
●	



10-30VDC / 5-36VDC / 10-55VDC / 10-60VDC	
<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	

P1C1B1805NOES4	31	P1C2B1808NOES4
P1C1B1805NCES4	32	P1C2B1808NCES4
P1C1B1805POES4	33	P1C2B1808POES4
P1C1B1805PCES4	34	P1C2B1808PCES4
P1C1B1805PSES4	36	P1C2B1808PSES4
P1C1B1805NSES4	35	P1C2B1808NSES4
P4C1B1805COES4	37	P4C2B1808COES4
P4C1B1805CCES4	38	P4C2B1808CCES4
P3C1B1805NOES4	31	P3C2B1808NOES4
P3C1B1805NCES4	32	P3C2B1808NCES4
P3C1B1805POES4	33	P3C2B1808POES4
P3C1B1805PCES4	34	P3C2B1808PCES4
P2C1B1805NOES4	31	P2C2B1808NOES4
P2C1B1805NCES4	32	P2C2B1808NCES4
P2C1B1805POES4	33	P2C2B1808POES4
P2C1B1805PCES4	34	P2C2B1808PCES4
P2C1B1805PSES4	36	P2C2B1808PSES4
P2C1B1805NSES4	35	P2C2B1808NSES4



Approx.50 g	Approx.54 g
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DC INDUCTIVE PROXIMITY SENSORS

Diameter
● Shielded ○ Non-shielded
Switching Distance Sn: mm
Housing Material
● With LED ○ Without LED

Picture

Operating Voltage
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

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)
DC 2 wire 10-60V N.O. *
DC 2 wire 10-60V 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 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O. & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

Dimensions (unit: mm)

* : DC 2wire 10-60V specifications
see page 3-05. Other is same.

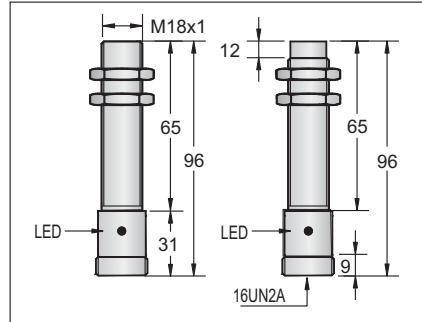
Cable 2M (PVC)
Weight

M18
● ○
5 mm 8 mm
stainless steel or nickel plated brass
●



10-30VDC / 5-36VDC / 10-55VDC / 10-60VDC
<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

P1C1B1805NOZA4	43	P1C2B1808NOZA4
P1C1B1805NCZA4	44	P1C2B1808NCZA4
P1C1B1805POZA4	45	P1C2B1808POZA4
P1C1B1805PCZA4	46	P1C2B1808PCZA4
P1C1B1805PSZA4	48	P1C2B1808PSZA4
P1C1B1805NSZA4	47	P1C2B1808NSZA4
P4C1B1805COZA4	49	P4C2B1808COZA4
P4C1B1805CCZA4	50	P4C2B1808CCZA4
P3C1B1805NOZA4	43	P3C2B1808NOZA4
P3C1B1805NCZA4	44	P3C2B1808NCZA4
P3C1B1805POZA4	45	P3C2B1808POZA4
P3C1B1805PCZA4	46	P3C2B1808PCZA4
P2C1B1805NOZA4	43	P2C2B1808NOZA4
P2C1B1805NCZA4	44	P2C2B1808NCZA4
P2C1B1805POZA4	45	P2C2B1808POZA4
P2C1B1805PCZA4	46	P2C2B1808PCZA4
P2C1B1805PSZA4	48	P2C2B1808PSZA4
P2C1B1805NSZA4	47	P2C2B1808NSZA4



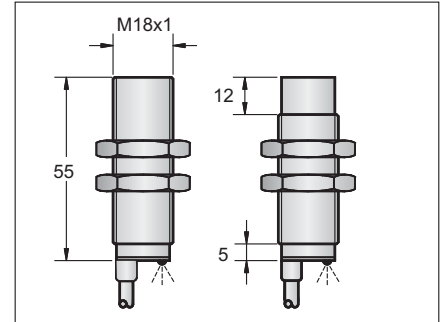
Approx.94 g	Approx.91 g
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M18
● ○
8 mm 16 mm
stainless steel or nickel plated brass
●



10-30VDC / 5-36VDC / 10-55VDC / 10-60VDC
<10%
<10mA
200mA
<0.01mA
<2.0V
500HZ 150HZ
0.5ms/0.5ms 1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
PBT

P1C1B1808NO3A2	1	P1C2B1816NO3A2
P1C1B1808NC3A2	2	P1C2B1816NC3A2
P1C1B1808PO3A2	3	P1C2B1816PO3A2
P1C1B1808PC3A2	4	P1C2B1816PC3A2
P1C1B1808PS4A2	6	P1C2B1816PS4A2
P1C1B1808NS4A2	5	P1C2B1816NS4A2
P4C1B1808CO2A2	7	P4C2B1816CO2A2
P4C1B1808CC2A2	8	P4C2B1816CC2A2
P3C1B1808NO3A2	1	P3C2B1816NO3A2
P3C1B1808NC3A2	2	P3C2B1816NC3A2
P3C1B1808PO3A2	3	P3C2B1816PO3A2
P3C1B1808PC3A2	4	P3C2B1816PC3A2
P2C1B1808NO3A2	1	P2C2B1816NO3A2
P2C1B1808NC3A2	2	P2C2B1816NC3A2
P2C1B1808PO3A2	3	P2C2B1816PO3A2
P2C1B1808PC3A2	4	P2C2B1816PC3A2
P2C1B1808PS4A2	6	P2C2B1816PS4A2
P2C1B1808NS4A2	5	P2C2B1816NS4A2



5.8 φ 3x0.5 or 5.8 φ 4x0.5	Approx.161 g	Approx.160 g
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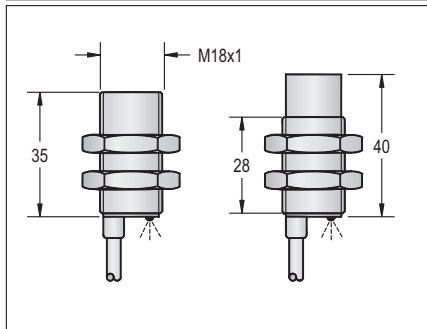
DC INDUCTIVE PROXIMITY SENSORS

M18	
●	○
8 mm	16 mm
Stainless steel or Nickel plated brass	
●	



10-30VDC / 5-36VDC / 10-55VDC / 10-60VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
500HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
PBT	

P1C1B1808NO3S2	1	P1C2B1816NO3S2
P1C1B1808NC3S2	2	P1C2B1816NC3S2
P1C1B1808PO3S2	3	P1C2B1816PO3S2
P1C1B1808PC3S2	4	P1C2B1816PC3S2
P1C1B1808PS4S2	6	P1C2B1816PS4S2
P1C1B1808NS4S2	5	P1C2B1816NS4S2
P4C1B1808CO2S2	7	P4C2B1816CO2S2
P4C1B1808CC2S2	8	P4C2B1816CC2S2
P3C1B1808NO3S2	1	P3C2B1816NO3S2
P3C1B1808NC3S2	2	P3C2B1816NC3S2
P3C1B1808PO3S2	3	P3C2B1816PO3S2
P3C1B1808PC3S2	4	P3C2B1816PC3S2
P2C1B1808NO3S2	1	P2C2B1816NO3S2
P2C1B1808NC3S2	2	P2C2B1816NC3S2
P2C1B1808PO3S2	3	P2C2B1816PO3S2
P2C1B1808PC3S2	4	P2C2B1816PC3S2
P2C1B1808PS4S2	6	P2C2B1816PS4S2
P2C1B1808NS4S2	5	P2C2B1816NS4S2



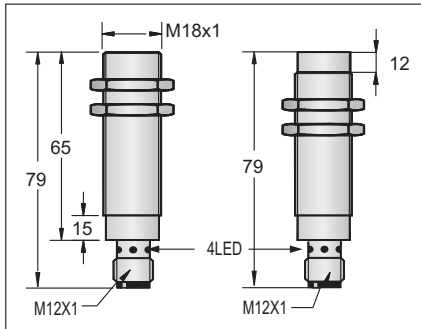
4φ 3x0.34 or 4φ 4x0.34	
Approx.132 g	Approx.134 g

M18	
●	○
8 mm	16 mm
Stainless steel or Nickel plated brass	
●	



10-30VDC / 5-36VDC / 10-55VDC / 10-60VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
500HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
PBT	

P1C1B1808NOEA4	31	P1C2B1816NOEA4
P1C1B1808NCEA4	32	P1C2B1816NCEA4
P1C1B1808POEA4	33	P1C2B1816POEA4
P1C1B1808PCEA4	34	P1C2B1816PCEA4
P1C1B1808PSEA4	36	P1C2B1816PSEA4
P1C1B1808NSEA4	35	P1C2B1816NSEA4
P4C1B1808COEA4	37	P4C2B1816COEA4
P4C1B1808CCEA4	38	P4C2B1816CCEA4
P3C1B1808NOEA4	31	P3C2B1816NOEA4
P3C1B1808NCEA4	32	P3C2B1816NCEA4
P3C1B1808POEA4	33	P3C2B1816POEA4
P3C1B1808PCEA4	34	P3C2B1816PCEA4
P2C1B1808NOEA4	31	P2C2B1816NOEA4
P2C1B1808NCEA4	32	P2C2B1816NCEA4
P2C1B1808POEA4	33	P2C2B1816POEA4
P2C1B1808PCEA4	34	P2C2B1816PCEA4
P2C1B1808PSEA4	36	P2C2B1816PSEA4
P2C1B1808NSEA4	35	P2C2B1816NSEA4



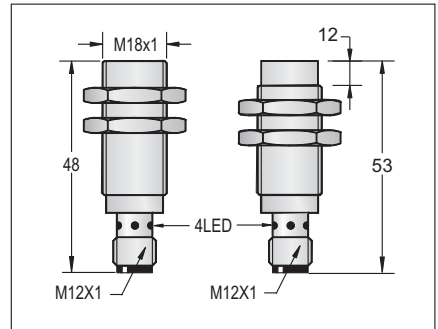
Approx.84 g	Approx.80 g
-------------	-------------

M18	
●	○
8 mm	16 mm
Stainless steel or Nickel plated brass	
●	



10-30VDC / 5-36VDC / 10-55VDC / 10-60VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
500HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
PBT	

P1C1B1808NOES4	31	P1C2B1816NOES4
P1C1B1808NCES4	32	P1C2B1816NCES4
P1C1B1808POES4	33	P1C2B1816POES4
P1C1B1808PCES4	34	P1C2B1816PCES4
P1C1B1808PSES4	36	P1C2B1816PSES4
P1C1B1808NSES4	35	P1C2B1816NSES4
P4C1B1808COES4	37	P4C2B1816COES4
P4C1B1808CCES4	38	P4C2B1816CCES4
P3C1B1808NOES4	31	P3C2B1816NOES4
P3C1B1808NCES4	32	P3C2B1816NCES4
P3C1B1808POES4	33	P3C2B1816POES4
P3C1B1808PCES4	34	P3C2B1816PCES4
P2C1B1808NOES4	31	P2C2B1816NOES4
P2C1B1808NCES4	32	P2C2B1816NCES4
P2C1B1808POES4	33	P2C2B1816POES4
P2C1B1808PCES4	34	P2C2B1816PCES4
P2C1B1808PSES4	36	P2C2B1816PSES4
P2C1B1808NSES4	35	P2C2B1816NSES4



Approx.50 g	Approx.54 g
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DC INDUCTIVE PROXIMITY SENSORS

Diameter
● Shielded ○ Non-shielded
Switching Distance Sn: mm
Housing Material
● With LED ○ Without LED

Picture

M30
● ○
10 mm 15 mm
Stainless steel or Nickel plated brass
●



M30
● ○
16 mm 25 mm
Stainless steel or Nickel plated brass
●



Operating Voltage
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

10-30VDC / 5-36VDC / 10-55VDC / 10-60VDC
<10%
<10mA
200mA
<0.01mA
<1.5V
300HZ 150HZ
0.5ms/0.5ms 1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
YES
220mA
PBT

10-30VDC / 5-36VDC / 10-55VDC / 10-60VDC
<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

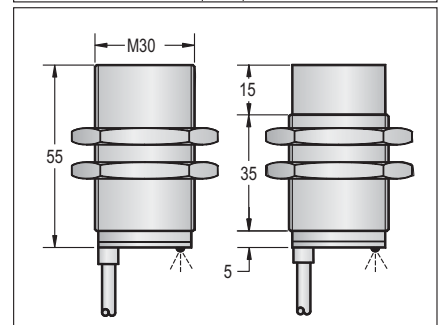
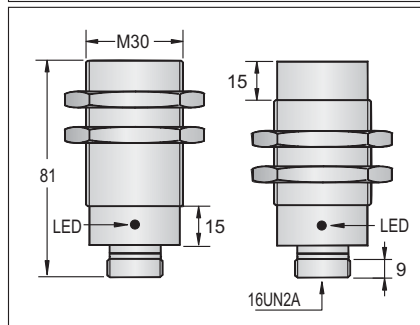
DC 3 wire 10-30V NPN N.O.
DC 3 wire 10-30V NPN N.C.
DC 3 wire 10-30V PNP N.O.
DC 3 wire 10-30V PNP N.C.
DC 4 wire 10-30V Changeover PNP (N.O. & N.C.)
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)
DC 2 wire 10-60V N.O. *
DC 2 wire 10-60V N.C. *
DC 3 wire 10-55V NPN N.O.
DC 3 wire 10-55V NPN N.C.
DC 3 wire 10-55V PNP N.O.
DC 3 wire 10-55V PNP N.C.
DC 3 wire 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O. & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

P1C1B3010NOZA4	43	P1C2B3015NOZA4
P1C1B3010NCZA4	44	P1C2B3015NCZA4
P1C1B3010POZA4	45	P1C2B3015POZA4
P1C1B3010PCZA4	46	P1C2B3015PCZA4
P1C1B3010PSZA4	48	P1C2B3015PSZA4
P1C1B3010NSZA4	47	P1C2B3015NSZA4
P4C1B3010COZA4	49	P4C2B3015COZA4
P4C1B3010CCZA4	50	P4C2B3015CCZA4
P3C1B3010NOZA4	43	P3C2B3015NOZA4
P3C1B3010NCZA4	44	P3C2B3015NCZA4
P3C1B3010POZA4	45	P3C2B3015POZA4
P3C1B3010PCZA4	46	P3C2B3015PCZA4
P2C1B3010NOZA4	43	P2C2B3015NOZA4
P2C1B3010NCZA4	44	P2C2B3015NCZA4
P2C1B3010POZA4	45	P2C2B3015POZA4
P2C1B3010PCZA4	46	P2C2B3015PCZA4
P2C1B3010PSZA4	48	P2C2B3015PSZA4
P2C1B3010NSZA4	47	P2C2B3015NSZA4

P1C1B3016NO3A2	1	P1C2B3025NO3A2
P1C1B3016NC3A2	2	P1C2B3025NC3A2
P1C1B3016PO3A2	3	P1C2B3025PO3A2
P1C1B3016PC3A2	4	P1C2B3025PC3A2
P1C1B3016PS4A2	6	P1C2B3025PS4A2
P1C1B3016NS4A2	5	P1C2B3025NS4A2
P4C1B3016CO2A2	7	P4C2B3025CO2A2
P4C1B3016CC2A2	8	P4C2B3025CC2A2
P3C1B3016NO3A2	1	P3C2B3025NO3A2
P3C1B3016NC3A2	2	P3C2B3025NC3A2
P3C1B3016PO3A2	3	P3C2B3025PO3A2
P3C1B3016PC3A2	4	P3C2B3025PC3A2
P2C1B3016NO3A2	1	P2C2B3025NO3A2
P2C1B3016NC3A2	2	P2C2B3025NC3A2
P2C1B3016PO3A2	3	P2C2B3025PO3A2
P2C1B3016PC3A2	4	P2C2B3025PC3A2
P2C1B3016PS4A2	6	P2C2B3025PS4A2
P2C1B3016NS4A2	5	P2C2B3025NS4A2

Dimensions (unit: mm)

* : DC 2wire 10-60V specifications see page 3-05. Other is same.



Cable 2M (PVC)
Weight

Approx.210 g	Approx.200 g
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5.8φ 3x0.5 or 5.8φ 4x0.5	
Approx.210 g	Approx.200 g

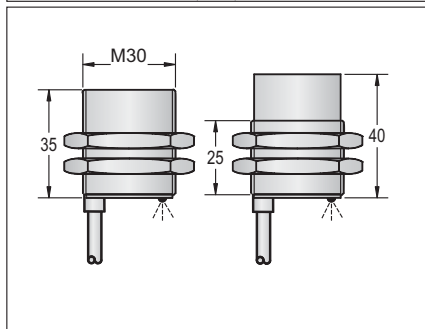
DC INDUCTIVE PROXIMITY SENSORS

M30	
●	○
16 mm	25 mm
Stainless steel or Nickel plated brass	
●	



10-30VDC / 5-36VDC / 10-55VDC / 10-60VDC	
<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	

P1C1B3016NO3S2	1	P1C2B3025NO3S2
P1C1B3016NC3S2	2	P1C2B3025NC3S2
P1C1B3016PO3S2	3	P1C2B3025PO3S2
P1C1B3016PC3S2	4	P1C2B3025PC3S2
P1C1B3016PS4S2	5	P1C2B3025PS4S2
P1C1B3016NS4S2	6	P1C2B3025NS4S2
P4C1B3016CO2S2	7	P4C2B3025CO2S2
P4C1B3016CC2S2	8	P4C2B3025CC2S2
P3C1B3016NO3S2	1	P3C2B3025NO3S2
P3C1B3016NC3S2	2	P3C2B3025NC3S2
P3C1B3016PO3S2	3	P3C2B3025PO3S2
P3C1B3016PC3S2	4	P3C2B3025PC3S2
P2C1B3016NO3S2	1	P2C2B3025NO3S2
P2C1B3016NC3S2	2	P2C2B3025NC3S2
P2C1B3016PO3S2	3	P2C2B3025PO3S2
P2C1B3016PC3S2	4	P2C2B3025PC3S2
P2C1B3016PS4S2	5	P2C2B3025PS4S2
P2C1B3016NS4S2	6	P2C2B3025NS4S2



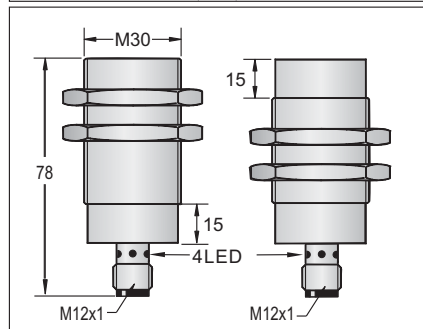
5.8 ϕ 3x0.5 or 5.8 ϕ 4x0.5	
Approx.180 g	Approx.182 g

M30	
●	○
16 mm	25 mm
Stainless steel or Nickel plated brass	
●	



10-30VDC / 5-36VDC / 10-55VDC / 10-60VDC	
<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	

P1C1B3016NOEA4	31	P1C2B3025NOEA4
P1C1B3016NCEA4	32	P1C2B3025NCEA4
P1C1B3016POEA4	33	P1C2B3025POEA4
P1C1B3016PCEA4	34	P1C2B3025PCEA4
P1C1B3016PSEA4	36	P1C2B3025PSEA4
P1C1B3016NSEA4	35	P1C2B3025NSEA4
P4C1B3016COEA4	37	P4C2B3025COEA4
P4C1B3016CCEA4	38	P4C2B3025CCEA4
P3C1B3016NOEA4	31	P3C2B3025NOEA4
P3C1B3016NCEA4	32	P3C2B3025NCEA4
P3C1B3016POEA4	33	P3C2B3025POEA4
P3C1B3016PCEA4	34	P3C2B3025PCEA4
P2C1B3016NOEA4	31	P2C2B3025NOEA4
P2C1B3016NCEA4	32	P2C2B3025NCEA4
P2C1B3016POEA4	33	P2C2B3025POEA4
P2C1B3016PCEA4	34	P2C2B3025PCEA4
P2C1B3016PSEA4	36	P2C2B3025PSEA4
P2C1B3016NSEA4	35	P2C2B3025NSEA4



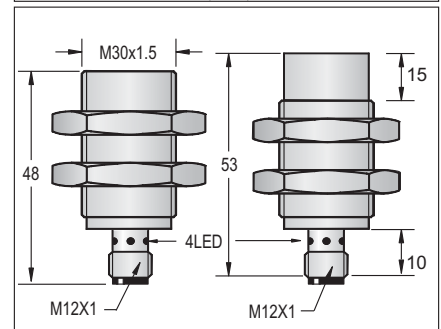
Approx.200 g	Approx.190 g
--------------	--------------

M30	
●	○
16 mm	25 mm
Stainless steel or Nickel plated brass	
●	



10-30VDC / 5-36VDC / 10-55VDC / 10-60VDC	
<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	

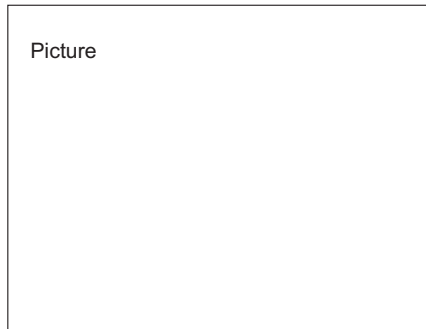
P1C1B3016NOES4	31	P1C2B3025NOES4
P1C1B3016NCES4	32	P1C2B3025NCES4
P1C1B3016POES4	33	P1C2B3025POES4
P1C1B3016PCES4	34	P1C2B3025PCES4
P1C1B3016PSES4	36	P1C2B3025PSES4
P1C1B3016NSES4	35	P1C2B3025NSES4
P4C1B3016COES4	37	P4C2B3025COES4
P4C1B3016CCES4	38	P4C2B3025CCES4
P3C1B3016NOES4	31	P3C2B3025NOES4
P3C1B3016NCES4	32	P3C2B3025NCES4
P3C1B3016POES4	33	P3C2B3025POES4
P3C1B3016PCES4	34	P3C2B3025PCES4
P2C1B3016NOES4	31	P2C2B3025NOES4
P2C1B3016NCES4	32	P2C2B3025NCES4
P2C1B3016POES4	33	P2C2B3025POES4
P2C1B3016PCES4	34	P2C2B3025PCES4
P2C1B3016PSES4	36	P2C2B3025PSES4
P2C1B3016NSES4	35	P2C2B3025NSES4



Approx.117 g	Approx.127 g
--------------	--------------

DC INDUCTIVE PROXIMITY SENSORS

Diameter
● Shielded ○ Non-shielded
Switching Distance Sn: mm
Housing Material
● With LED ○ Without LED



Operating Voltage
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

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)
DC 2 wire 10-60V N.O. *
DC 2 wire 10-60V 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 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O. & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

Dimensions (unit: mm)
* : DC 2wire 10-60V specifications see page 3-05. Other is same.

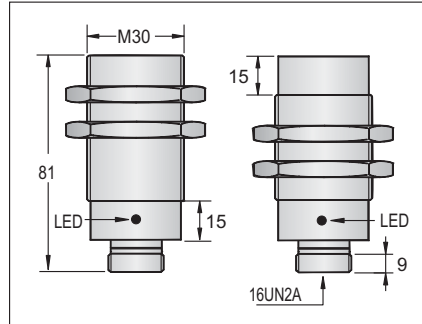
Cable 2M (PVC)
Weight

M30	
●	○
16 mm	25 mm
Stainless steel or Nickel plated brass	
●	



10-30VDC / 5-36VDC / 10-55VDC / 10-60VDC	
<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	

P1C1B3016NOZA4	43	P1C2B3025NOZA4
P1C1B3016NCZA4	44	P1C2B3025NCZA4
P1C1B3016POZA4	45	P1C2B3025POZA4
P1C1B3016PCZA4	46	P1C2B3025PCZA4
P1C1B3016PSZA4	48	P1C2B3025PSZA4
P1C1B3016NSZA4	47	P1C2B3025NSZA4
P4C1B3016COZA4	49	P4C2B3025COZA4
P4C1B3016CCZA4	50	P4C2B3025CCZA4
P3C1B3016NOZA4	43	P3C2B3025NOZA4
P3C1B3016NCZA4	44	P3C2B3025NCZA4
P3C1B3016POZA4	45	P3C2B3025POZA4
P3C1B3016PCZA4	46	P3C2B3025PCZA4
P2C1B3016NOZA4	43	P2C2B3025NOZA4
P2C1B3016NCZA4	44	P2C2B3025NCZA4
P2C1B3016POZA4	45	P2C2B3025POZA4
P2C1B3016PCZA4	46	P2C2B3025PCZA4
P2C1B3016PSZA4	48	P2C2B3025PSZA4
P2C1B3016NSZA4	47	P2C2B3025NSZA4



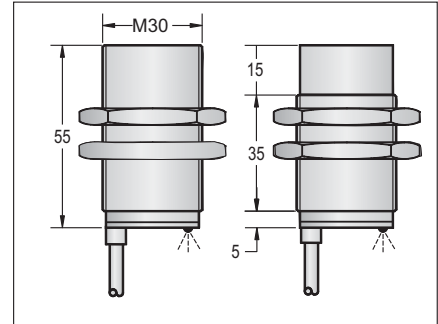
Approx.210 g	Approx.200 g
--------------	--------------

M30	
●	○
22 mm	40 mm
Nickel plated brass	
●	



10-30VDC	
<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	

P1C1B3022NO3A2	1	P1C2B3040NO3A2
P1C1B3022NC3A2	2	P1C2B3040NC3A2
P1C1B3022PO3A2	3	P1C2B3040PO3A2
P1C1B3022PC3A2	4	P1C2B3040PC3A2



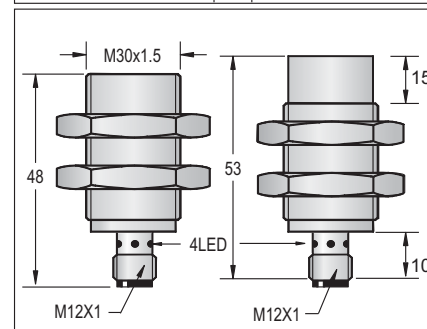
Approx.210 g	Approx.200 g
--------------	--------------

DC INDUCTIVE PROXIMITY SENSORS

M30	
	
22 mm	40 mm
Nickel plated brass	
	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
150HZ	100HZ
0.5ms/0.5ms	1ms/1ms
<15%/(Sr)	
<1.0%/(Sr)	
IP67	
-25° C - +70 ° C	
<10%/(Sr)	
YES	
220mA	
PBT	

[illegible]

Approx.117 g	Approx.127 g
--------------	--------------

[illegible][illegible]

Approx 25 g

[illegible]

3Ø 3x0.15
Approx 55 g

[illegible]

	Approx 25 g

DC INDUCTIVE PROXIMITY SENSOR SQUARE TYPE

Diameter

● Shielded ○ Non-shielded

Switching Distance Sn: mm

Housing Material

● With LED ○ Without LED

Picture

Operating Voltage

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

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)

DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)

DC 2 wire 10-60V N.O.

DC 2 wire 10-60V 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 5-36V NPN N.O.

DC 3 wire 5-36V NPN N.C.

DC 3 wire 5-36V PNP N.O.

DC 3 wire 5-36V PNP N.C.

DC 4 wire 5-36V Changeover PNP (N.O. & N.C.)

DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

Dimensions (unit: mm)

Cable 2M (PVC)

Weight

Q16x28x10

●

3 mm

○

6 mm

PBT RESIN

●



CE

10-30VDC

<10%

<10mA

200mA

<0.01mA

<2.0V

1KHZ

500HZ

0.2ms/0.2ms

0.5ms/0.5ms

<15%(Sr)

<1.0%(Sr)

IP67

-25 °C - +70 °C

<10%(Sr)

YES

220mA

-

P1S1P2803NO3A2X

1

P1S2P2806NO3A2X

P1S1P2803NC3A2X

2

P1S2P2806NC3A2X

P1S1P2803PO3A2X

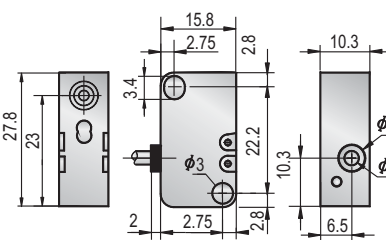
3

P1S2P2806PO3A2X

P1S1P2803PC3A2X

4

P1S2P2806PC3A2X



3φ3x0.15

Approx.55 g

Q16x28x10

●

3 mm

○

6 mm

PBT RESIN

●



CE

10-30VDC

<10%

<10mA

200mA

<0.01mA

<2.0V

1KHZ

500HZ

0.2ms/0.2ms

0.5ms/0.5ms

<15%(Sr)

<1.0%(Sr)

IP67

-25 °C - +70 °C

<10%(Sr)

YES

220mA

-

P1S1P2803NOPA3X

25

P1S2P2806NOPA3X

P1S1P2803NCPA3X

25

P1S2P2806NCPA3X

P1S1P2803POPA3X

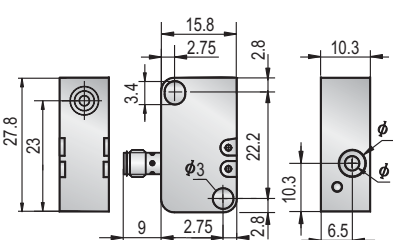
26

P1S2P2806POPA3X

P1S1P2803PCPA3X

26

P1S2P2806PCPA3X



Approx.25 g

DC INDUCTIVE PROXIMITY SENSOR SQUARE TYPE

[illegible]

3Ø 3x0.15
Approx. 55 g



CE

[illegible]

Approx. 25 g

[illegible]

3Ø 3x0.15
Approx.55 g

DC INDUCTIVE PROXIMITY SENSOR SQUARE TYPE

Diameter

● Shielded ○ non-Shielded

Switching Distance Sn: mm

Housing Material

● With LED ○ Without LED

Picture

Operating Voltage

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

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)

DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)

DC 2 wire 10-60V N.O. *

DC 2 wire 10-60V 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 5-36V NPN N.O.

DC 3 wire 5-36V NPN N.C.

DC 3 wire 5-36V PNP N.O.

DC 3 wire 5-36V PNP N.C.

DC 4 wire 5-36V Changeover PNP (N.O. & N.C.)

DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

Dimensions (unit: mm)

* : DC 2wire 10-60V specifications see page 3-05. Other is same.

Cable 2M (PVC)

Weight

Q16x28x10

●

○

2 mm

4 mm

PBT RESIN

●



CE

Q16x28x10

●

○

3 mm

6 mm

PBT RESIN

●



CE

10-30VDC

<10%

<10mA

200mA

<0.01mA

<2.0V

2KHZ

1KHZ

0.1ms/0.1ms

0.2ms/0.2ms

<15%(Sr)

<1.0%(Sr)

IP67

-25 °C - +70 °C

<10%(Sr)

YES

220mA

-

P1S1P2802N0PA3

25

P1S2P2804N0PA3

P1S1P2802NCPA3

25

P1S2P2804NCPA3

P1S1P2802P0PA3

26

P1S2P2804P0PA3

P1S1P2802PCPA3

26

P1S2P2804PCPA3

10-30VDC

<10%

<10mA

200mA

<0.01mA

<2.0V

1KHZ

500HZ

0.2ms/0.2ms

0.5ms/0.5ms

<15%(Sr)

<1.0%(Sr)

IP67

-25 °C - +70 °C

<10%(Sr)

YES

220mA

-

P1S1P2803N03A2

1

P1S2P2806N03A2

P1S1P2803NC3A2

2

P1S2P2806NC3A2

P1S1P2803P03A2

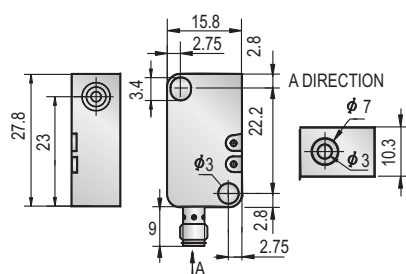
3

P1S2P2806P03A2

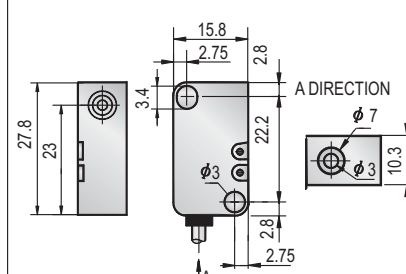
P1S1P2803PC3A2

4

P1S2P2806PC3A2



Approx.25 g



3φ3x0.15

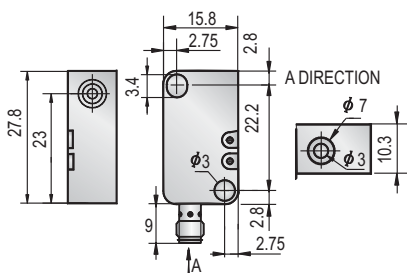
Approx.55 g

DC INDUCTIVE PROXIMITY SENSOR SQUARE TYPE

Q16x28x10	
	
3 mm	6 mm
PBT RESIN	
	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
-	

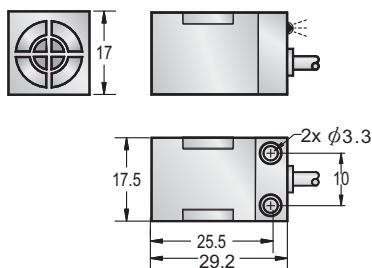


Approx.25 g

Q 16
○
4 mm
ABS RESIN
●



10-30VDC
<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

[illegible]

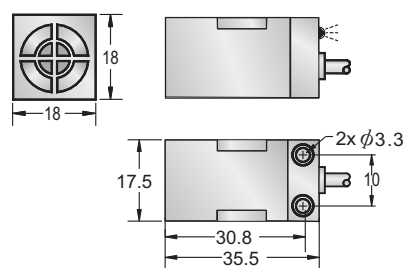
4 ϕ 3x0.15
Approx.55 g

Q 18
○
4 mm
ABS RESIN
●



10-30VDC /10-55VDC /10-60VDC
<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

P1S2P1804N03A2	1
P1S2P1804NC3A2	2
P1S2P1804PO3A2	3
P1S2P1804PC3A2	4
P4S2P1804CO2A2	7
P4S2P1804CC2A2	8
P3S2P1804NO3A2	1
P3S2P1804NC3A2	2
P3S2P1804PO3A2	3
P3S2P1804PC3A2	4



4 ϕ 3x0.15; 2x0.15
Approx.58 g

DC INDUCTIVE PROXIMITY SENSOR SQUARE TYPE

Diameter

● Shielded ○ Non-shielded

Switching Distance Sn: mm

Housing Material

● With LED ○ Without LED

Picture

Q18A

○

4 mm

Nickel Plated Brass

●



CE

Q 18C

○

4 mm

POM RESIN

●



CE

Operating Voltage

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

10-30VDC / 10-55VDC/10-60VDC

<10%

<10mA

200mA

<0.01mA

<1.5V

500HZ ~ 300HZ

0.5ms

15%(Sr)

<1.0%(Sr)

IP67

-25°C ~ +70°C

<10%(Sr)

YES

220mA

PBT Resin

10-30VDC / 5-36VDC/10-55VDC

<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

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)

DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)

DC 2 wire 10-60V N.O. *

DC 2 wire 10-60V 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 5-36V NPN N.O.

DC 3 wire 5-36V NPN N.C.

DC 3 wire 5-36V PNP N.O.

DC 3 wire 5-36V PNP N.C.

DC 4 wire 5-36V Changeover PNP (N.O. & N.C.)

DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

P1S2P18A04NO3A2

1

P1S2P18A04NC3A2

2

P1S2P18A04PO3A2

3

P1S2P18A04PC3A2

4

P1S2P18A04PS4A2

6

P1S2P18A04NS4A2

5

P4S2P18A04CO2A2

7

P4S2P18A04CC2A2

8

P3S2P18A04NO3A2

1

P3S2P18A04NC3A2

2

P3S2P18A04PO3A2

3

P3S2P18A04PC3A2

4

P1S2P18C04NO3A2

1

P1S2P18C04NC3A2

2

P1S2P18C04PO3A2

3

P1S2P18C04PC3A2

4

P3S2P18C04NO3A2

1

P3S2P18C04NC3A2

2

P3S2P18C04PO3A2

3

P3S2P18C04PC3A2

4

P2S2P18C04NO3A2

1

P2S2P18C04NC3A2

2

P2S2P18C04PO3A2

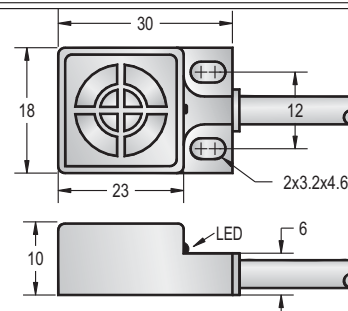
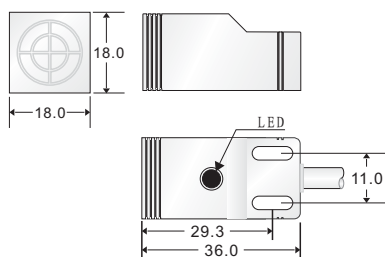
3

P2S2P18C04PC3A2

4

Dimensions (unit: mm)

* : DC 2wire 10-60V specifications see page 3-05. Other is same.



Cable 2M (PVC)

Weight

4.0 ø 3x0.15 or 4 x 0.15mm²

Approx.55 g

Approx.62 g

4 ø 3x0.15

Approx.46 g

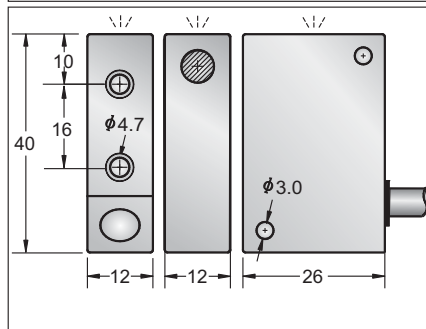
DC INDUCTIVE PROXIMITY SENSOR 5 WAY ROTATABLE SENSING HEAD

Q25x40x12	
	
2 mm	4 mm
PBT RESIN	
	



10-30VDC / 10-55VDC / 10-60VDC	
<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	

P1S1P4002NO3A2	1	P1S2P4004NO3A2
P1S1P4002NC3A2	2	P1S2P4004NC3A2
P1S1P4002PO3A2	3	P1S2P4004PO3A2
P1S1P4002PC3A2	4	P1S2P4004PC3A2
P1S1P4002PS4A2	6	P1S2P4004PS4A2
P1S1P4002NS4A2	5	P1S2P4004NS4A2
P4S1P4002CO2A2	7	P4S2P4004CO2A2
P4S1P4002CC2A2	8	P4S2P4004CC2A2
P3S1P4002NO3A2	1	P3S2P4004NO3A2
P3S1P4002NC3A2	2	P3S2P4004NC3A2
P3S1P4002PO3A2	3	P3S2P4004PO3A2
P3S1P4002PC3A2	4	P3S2P4004PC3A2

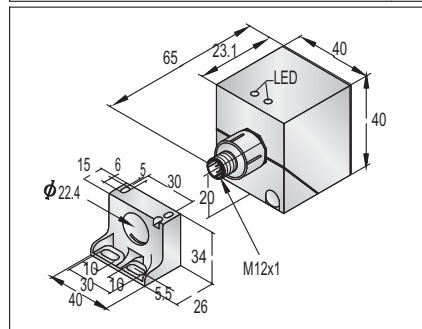


Q40s	
	
15 mm	
PBT RESIN	
	



10-30VDC / 10-55VDC / 10-60VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<1.5V	
100HZ	
1ms/1ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +75 °C	
<10%(Sr)	
YES	
220mA	
PBT	

P1S1P4015NOES4	31
P1S1P4015NCES4	32
P1S1P4015POES4	33
P1S1P4015PCES4	34
P1S1P4015PSES4	36
P1S1P4015NSES4	35
P4S1P4015COES4	37
P4S1P4015CCES4	38
P3S1P4015NOES4	31
P3S1P4015NCES4	32
P3S1P4015POES4	33
P3S1P4015PCES4	34

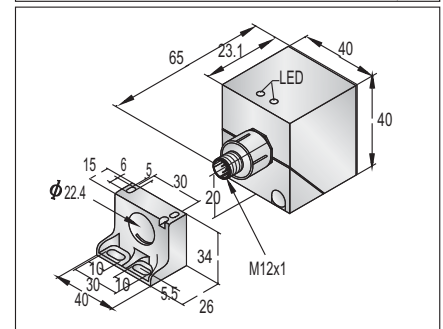


Q40s	
	
30 mm	
PBT RESIN	
	



10-30VDC / 10-55VDC / 10-60VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<1.5V	
100HZ	
1ms/1ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +75 °C	
<10%(Sr)	
YES	
220mA	
PBT	

P1S2P4030NOES4	31
P1S2P4030NCES4	32
P1S2P4030POES4	33
P1S2P4030PCES4	34
P1S2P4030PSES4	36
P1S2P4030NSES4	35
P4S2P4030COES4	37
P4S2P4030CCES4	38
P3S2P4030NOES4	31
P3S2P4030NCES4	32
P3S2P4030POES4	33
P3S2P4030PCES4	34



DC INDUCTIVE PROXIMITY SENSOR 5 WAY ROTATABL SENSING HEAD

Diameter
● Shielded ○ Non-shielded
Switching Distance Sn: mm
Housing Material
● With LED ○ Without LED

Picture

Operating Voltage
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

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)
DC 2 wire 10-60V N.O. *
DC 2 wire 10-60V 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 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O. & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

Dimensions (unit: mm)

* : DC 2wire 10-60V specifications see page 3-05. Other is same.

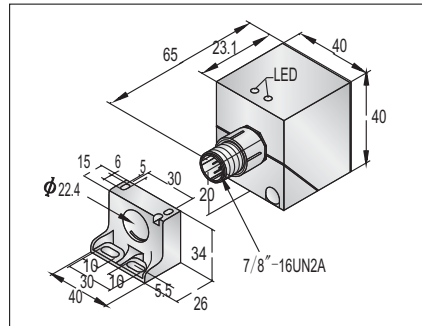
Cable 2M (PVC)
Weight

Q40s
●
15 mm
PBT RESIN
●



10-30VDC / 10-55VDC / 10-60VDC
<10%
<10mA
200mA
<0.01mA
<1.5V
100HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +75 °C
<10%(Sr)
YES
220mA
PBT

P1S1P4015NOZS4	43
P1S1P4015NCZS4	44
P1S1P4015POZS4	45
P1S1P4015PCZS4	46
P1S1P4015PSZS4	48
P1S1P4015NSZS4	47
P4S1P4015COZS4	49
P4S1P4015CCZS4	50
P3S1P4015NOZS4	43
P3S1P4015NCZS4	44
P3S1P4015POZS4	45
P3S1P4015PCZS4	46



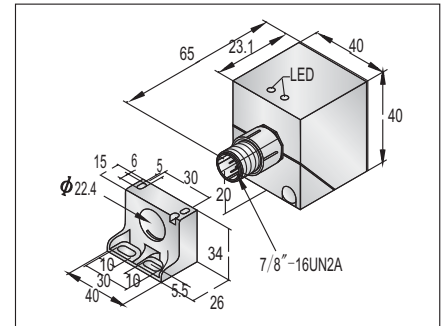
Approx.170 g

Q40s
○
30 mm
PBT RESIN
●



10-30VDC / 10-55VDC / 10-60VDC
<10%
<10mA
200mA
<0.01mA
<1.5V
100HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +75 °C
<10%(Sr)
YES
220mA
PBT

P1S2P4030NOZS4	43
P1S2P4030NCZS4	44
P1S2P4030POZS4	45
P1S2P4030PCZS4	46
P1S2P4030PSZS4	48
P1S2P4030NSZS4	47
P4S2P4030COZS4	49
P4S2P4030CCZS4	50
P3S2P4030NOZS4	43
P3S2P4030NCZS4	44
P3S2P4030POZS4	45
P3S2P4030PCZS4	46



Approx.170 g

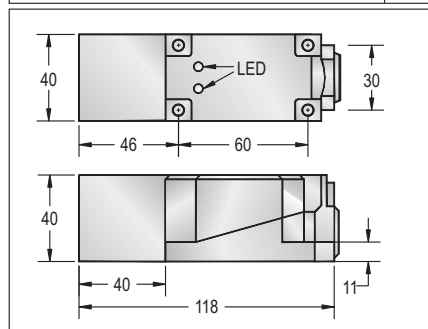
DC INDUCTIVE PROXIMITY SENSOR 5 WAY ROTATABL SENSING HEAD

Q40
●
15 mm
PBT RESIN
●



10-30VDC / 10-55VDC / 10-60VDC
<10%
<10mA
200mA
<0.01mA
<1.5V
100HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +75 °C
<10%(Sr)
YES
220mA
PBT

P1S1P4015NO3A	1
P1S1P4015NC3A	2
P1S1P4015PO3A	3
P1S1P4015PC3A	4
P1S1P4015PS4A	6
P1S1P4015NS4A	5
P4S1P4015CO2A	7
P4S1P4015CC2A	8
P3S1P4015NO3A	1
P3S1P4015NC3A	2
P3S1P4015PO3A	3
P3S1P4015PC3A	4



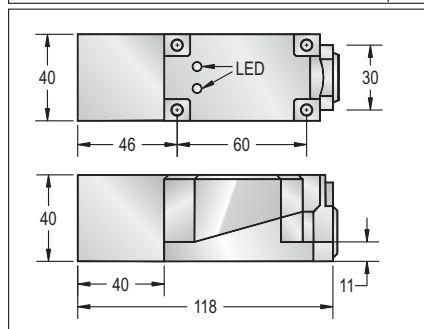
Approx.262 g

Q40
●
20 mm
PBT RESIN
●



10-30VDC / 10-55VDC / 10-60VDC
<10%
<10mA
200mA
<0.01mA
<1.5V
100HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +75 °C
<10%(Sr)
YES
220mA
PBT

P1S2P4020NO3A	1
P1S2P4020NC3A	2
P1S2P4020PO3A	3
P1S2P4020PC3A	4
P1S2P4020PS4A	6
P1S2P4020NS4A	5
P4S2P4020CO2A	7
P4S2P4020CC2A	8
P3S2P4020NO3A	1
P3S2P4020NC3A	2
P3S2P4020PO3A	3
P3S2P4020PC3A	4



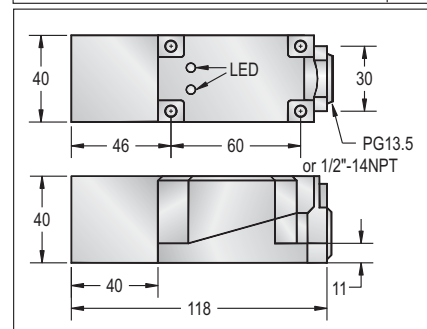
Approx.262 g

Q40
○
30 mm
PBT RESIN
●



10-30VDC / 10-55VDC / 10-60VDC
<10%
<10mA
200mA
<0.01mA
<1.5V
100HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +75 °C
<10%(Sr)
YES
220mA
PBT

P1S2P4030NO3A	1
P1S2P4030NC3A	2
P1S2P4030PO3A	3
P1S2P4030PC3A	4
P1S2P4030PS4A	6
P1S2P4030NS4A	5
P4S2P4030CO2A	7
P4S2P4030CC2A	8
P3S2P4030NO3A	1
P3S2P4030NC3A	2
P3S2P4030PO3A	3
P3S2P4030PC3A	4



Approx.262 g

DC INDUCTIVE PROXIMITY SENSOR 5 WAY ROTATABLE SENSING HEAD

Diameter
● Shielded ○ Non-shielded
Switching Distance Sn: mm
Housing Material
● With LED ○ Without LED

Picture

Operating Voltage
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

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)
DC 2 wire 10-60V N.O. *
DC 2 wire 10-60V 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 5-36V NPN N.O.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O. & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

Dimensions (unit: mm)
* : DC 2wire 10-60V specifications see page 3-05. Other is same.

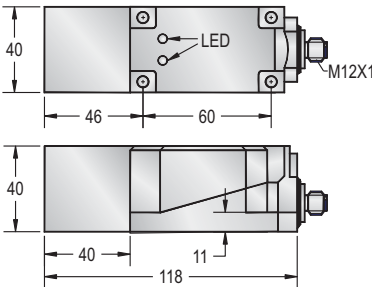
Cable 2M (PVC)
Weight

Q40
●
15 mm
PBT RESIN
●


CE

10-30VDC / 10-55VDC / 10-60VDC
<10%
<10mA
200mA
<0.01mA
<1.5V
100HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +75 °C
<10%(Sr)
YES
220mA
PBT

P1S1P4015NOEA4	31
P1S1P4015NCEA4	32
P1S1P4015POEA4	33
P1S1P4015PCEA4	34
P1S1P4015PSEA4	36
P1S1P4015NSEA4	35
P4S1P4015COEA4	37
P4S1P4015CCEA4	38
P3S1P4015NOEA4	31
P3S1P4015NCEA4	32
P3S1P4015POEA4	33
P3S1P4015PCEA4	34

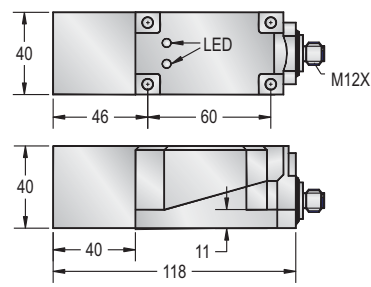

Approx.290 g

Q40
○
20 mm
PBT RESIN
●


CE

10-30VDC / 10-55VDC / 10-60VDC
<10%
<10mA
200mA
<0.01mA
<1.5V
100HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +75 °C
<10%(Sr)
YES
220mA
PBT

P1S2P4020NOEA4	31
P1S2P4020NCEA4	32
P1S2P4020POEA4	33
P1S2P4020PCEA4	34
P1S2P4020PSEA4	36
P1S2P4020NSEA4	35
P4S2P4020COEA4	37
P4S2P4020CCEA4	38
P3S2P4020NOEA4	31
P3S2P4020NCEA4	32
P3S2P4020POEA4	33
P3S2P4020PCEA4	34


Approx.290 g

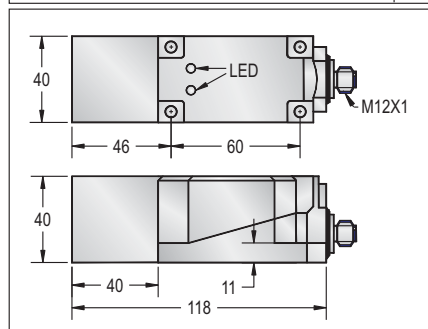
DC INDUCTIVE PROXIMITY SENSOR 5 WAY ROTATABLE SENSING HEAD

Q40
○
30 mm
PBT RESIN
●



10-30VDC / 10-55VDC / 10-60VDC
<10%
<10mA
200mA
<0.01mA
<1.5V
100HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +75 °C
<10%(Sr)
YES
220mA
PBT

P1S2P4030NOEA4	31
P1S2P4030NCEA4	32
P1S2P4030POEA4	33
P1S2P4030PCEA4	34
P1S2P4030PSEA4	36
P1S2P4030NSEA4	35
P4S2P4030COEA4	37
P4S2P4030CCEA4	38
P3S2P4030NOEA4	31
P3S2P4030NCEA4	32
P3S2P4030POEA4	33
P3S2P4030PCEA4	34



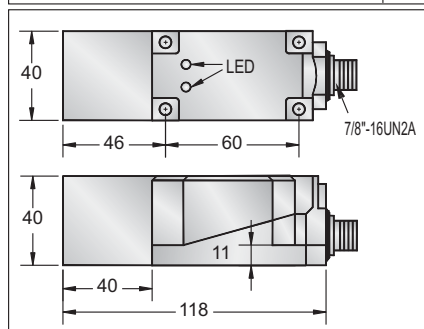
Approx.290 g

Q40
●
15 mm
PBT RESIN
●



10-30VDC / 10-55VDC / 10-60VDC
<10%
<10mA
200mA
<0.01mA
<1.5V
100HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +75 °C
<10%(Sr)
YES
220mA
PBT

P1S1P4015NOZA4	43
P1S1P4015NCZA4	44
P1S1P4015POZA4	45
P1S1P4015PCZA4	46
P1S1P4015PSZA4	48
P1S1P4015NSZA4	47
P4S1P4015CCOZA4	49
P4S1P4015CCZA4	50
P3S1P4015NOZA4	43
P3S1P4015NCZA4	44
P3S1P4015POZA4	45
P3S1P4015PCZA4	46



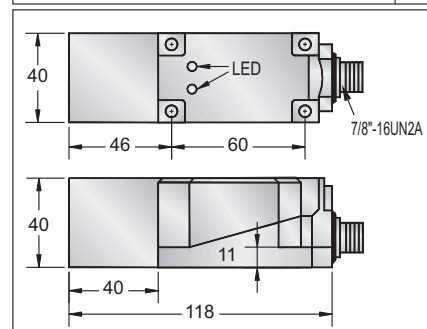
Approx.295 g

Q40
●
20 mm
PBT RESIN
●



10-30VDC / 10-55VDC / 10-60VDC
<10%
<10mA
200mA
<0.01mA
<1.5V
100HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +75 °C
<10%(Sr)
YES
220mA
PBT

P1S2P4020NOZA4	43
P1S2P4020NCZA4	44
P1S2P4020POZA4	45
P1S2P4020PCZA4	46
P1S2P4020PSZA4	48
P1S2P4020NSZA4	47
P4S2P4020CCOZA4	49
P4S2P4020CCZA4	50
P3S2P4020NOZA4	43
P3S2P4020NCZA4	44
P3S2P4020POZA4	45
P3S2P4020PCZA4	46



Approx.295 g

MIN Q SERIES MICRO-PROXIMITY SENSORS

Diameter
☒ Shielded ☐ Non-shielded
Switching Distance Sn: mm
Housing Material
☒ With LED ☐ Without LED

Picture

Q8

1.5mm
Polycarbonate




CE

Q8
○
1.5mm
Polycarbonate
●



CE

Operating Voltage
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

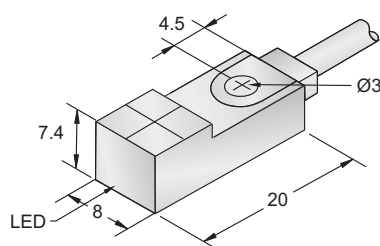
10-30VDC
<10%
<10mA
200mA
<0.01mA
<1.5V
500HZ
0.5ms/0.5ms
<15%(Sr)
<0.04mm
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
Polycarbonate

10-30VDC
<10%
<10mA
200mA
<0.01mA
<1.5V
500HZ
0.5ms/0.5ms
<15%(Sr)
<0.04mm
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
Polycarbonate

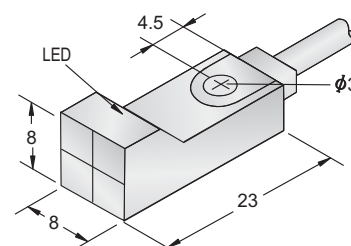
DC 3 wire 10-30V NPN N.O.
DC 3 wire 10-30V NPN N.C.
DC 3 wire 10-30V PNP N.O.
DC 3 wire 10-30V PNP N.C.
DC 4 wire 10-30V Changeover PNP (N.O. & N.C.)
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)
DC 2 wire 10-30V N.O. *
DC 2 wire 10-30V N.C. *
DC 3 wire 10-55V NPN N.O.
DC 3 wire 10-55V NPN N.C.
DC 3 wire 10-55V PNP N.O.
DC 3 wire 10-55V PNP N.C.
DC 3 wire 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O. & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

[illegible][illegible]

Dimensions (unit: mm)



* : DC 2wire 10-60V specifications
see page 3-05. Other is same.

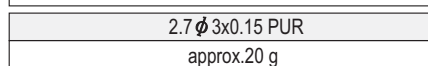


Cable 2M (PVC)
Weight

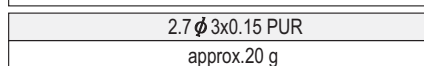
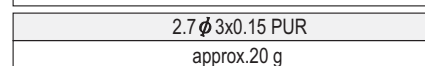
2.7 ϕ 3x0.15 PUR
approx. 12 g

2.7 ϕ 3x0.15 PUR
approx. 12 g

MIN Q SERIES MICRO-PROXIMITY SENSORS

[illegible]

CE

[illegible][illegible]

MIN Q SERIES MICRO-PROXIMITY SENSORS

Diameter

● Shielded ○ Non-shielded

Switching Distance Sn: mm

Housing Material

● With LED ○ Without LED

Picture

Operating Voltage

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

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 4 wire 10-30V Changeover PNP (N.O. & N.C.)

DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)

DC 2 wire 10-30V N.O.

DC 2 wire 10-30V 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 5-36V NPN N.O.

DC 3 wire 5-36V NPN N.C.

DC 3 wire 5-36V PNP N.O.

DC 3 wire 5-36V PNP N.C.

DC 4 wire 5-36V Changeover PNP (N.O. & N.C.)

DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

Dimensions (unit: mm)

Cable 2M (PVC)

Weight

Q8

○

1.5mm

Polycarbonate

●



CE

10-30V DC

<10%

<0.8mA

100mA

<0.8mA

<6.0V

1KHZ

0.2ms/0.2ms

<15%(Sr)

<0.04mm

IP67

-25 °C - +70 °C

<10%(Sr)

YES

120mA

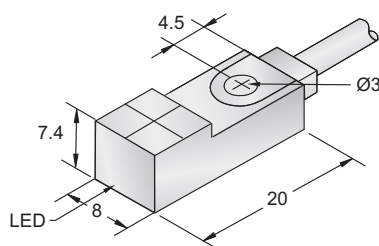
Polycarbonate

P1S2P881.5CO2A2/F

7

P1S2P881.5CC2A2/F

8



3Ø2x0.15

approx.12 g

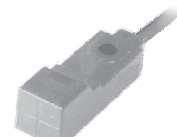
Q8

○

1.5mm

Polycarbonate

●



CE

10-30V DC

<10%

<0.8mA

100mA

<0.8mA

<6.0V

1KHZ

0.2ms/0.2ms

<15%(Sr)

<0.04mm

IP67

-25 °C - +70 °C

<10%(Sr)

YES

120mA

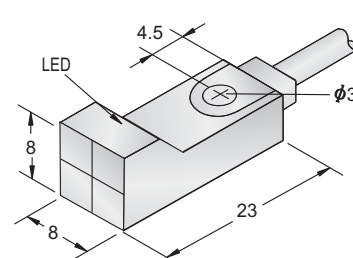
Polycarbonate

P1S2P881.5CO2A2/T

7

P1S2P881.5CC2A2/T

8



3Ø2x0.15

approx.12 g

MIN Q SERIES MICRO-PROXIMITY SENSORS

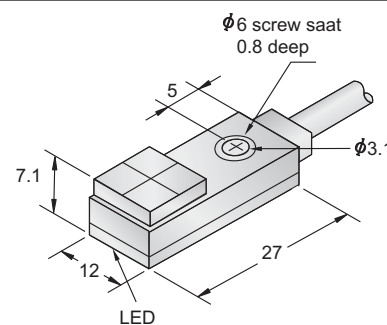
Q12

3mm
Polycarbonate



CE

10-30V DC
<10%
<0.8mA
100mA
<0.8mA
<6.0V
1KHZ
0.2ms/0.2ms
<15%(Sr)
<0.04mm
IP67
-25 °C - +70 °C
<10%(Sr)
YES
120mA
Polycarbonate

[illegible]

3 ϕ 2x0.15
approx.20 g