

DC METAL FACE INDUCTIVE PROXIMITY SENSORS

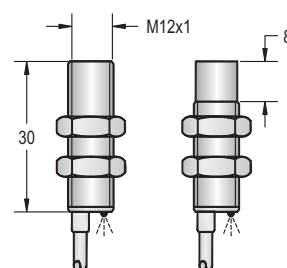
M12	
	
2 mm	4 mm
Stainless steel	
	



CE

10-30VDC/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	
Stainless steel	

P1C1F1202N03S2	1	P1C2F1204N03S2
P1C1F1202NC3S2	2	P1C2F1204NC3S2
P1C1F1202P03S2	3	P1C2F1204P03S2
P1C1F1202PC3S2	4	P1C2F1204PC3S2

[illegible]

4 ϕ 3x0.15	
Approx.62 g	Approx.60 g

DC METAL FACE INDUCTIVE PROXIMITY SENSORS

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

Picture

M12	
	
2 mm	4 mm
Stainless steel	
	



CE

M12	
	
2 mm	4 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

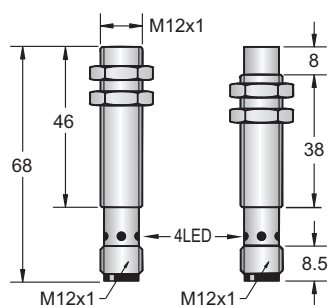
10-30VDC/10-55VDC/10-60VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<1.5V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C – +70°C	
<10%(Sr)	
YES	
220mA	
Stainless steel	

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	
Stainless steel	

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)



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

Cable 2M (PVC)
Weight

approx.31 g	approx.30 g
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approx.25 g	Approx.23 g
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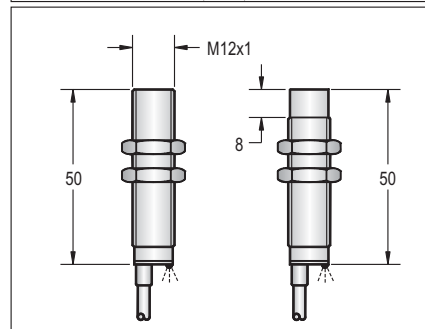
DC METAL FACE INDUCTIVE PROXIMITY SENSORS

M12	
	
4 mm	8 mm
Stainless steel	
	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<1.5V	<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	
Stainless steel	

P1C1F1204NO3A2	1	P1C2F1208NO3A2
P1C1F1204NC3A2	2	P1C2F1208NC3A2
P1C1F1204PO3A2	3	P1C2F1208PO3A2
P1C1F1204PC3A2	4	P1C2F1208PC3A2



4 ϕ 3x0.15	
approx.67 g	approx.65 g

DC METAL FACE 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

M12

●

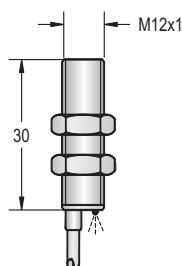
4 mm

Stainless steel

●



CE



4 φ 3x0.15

Approx.62 g

M12

●

4 mm

○

8 mm

Stainless steel

●



CE

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

Stainless steel

P1C1F1204NOEA4

P1C1F1204NCEA4

P1C1F1204POEA4

P1C1F1204PCEA4

31

32

33

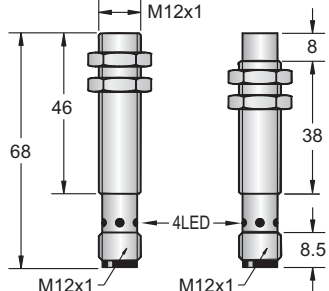
34

P1C2F1208NOEA4

P1C2F1208NCEA4

P1C2F1208POEA4

P1C2F1208PCEA4



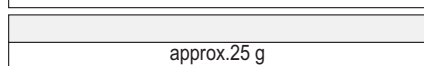
approx.31 g

approx.30 g

DC METAL FACE INDUCTIVE PROXIMITY SENSORS



Two stainless steel gas valves are shown, each with a CE marking on its body. The valves have a threaded gas inlet on one end and a threaded gas outlet on the other, with a central control pin. They are mounted on a white background.

[illegible][illegible][illegible]

DC METAL FACE 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

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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

●

○

6 mm

10 mm

Stainless steel

●



CE

10-30VDC

<10%

<10mA

200mA

<0.01mA

<2V

800HZ

0.2ms/0.2ms

400HZ

0.3ms/0.3ms

<15%(Sr)

<1.0%(Sr)

IP67

-25°C - +70°C

<10%(Sr)

YES

220mA

Stainless steel

P1C1F1206NO3A2

1

P1C2F1210NO3A2

P1C1F1206NC3A2

2

P1C2F1210NC3A2

P1C1F1206PO3A2

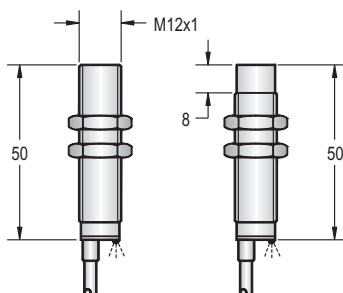
3

P1C2F1210PO3A2

P1C1F1206PC3A2

4

P1C2F1210PC3A2



4 ∅3x0.15

approx.67 g

approx.65 g

M12

●

○

6 mm

10 mm

Stainless steel

●



CE

10-30VDC

<10%

<10mA

200mA

<0.01mA

<2V

800HZ

0.2ms/0.2ms

400HZ

0.3ms/0.3ms

<15%(Sr)

<1.0%(Sr)

IP67

-25°C - +70°C

<10%(Sr)

YES

220mA

Stainless steel

P1C1F1206NOEA4

31

P1C2F1210NOEA4

P1C1F1206NCEA4

32

P1C2F1210NCEA4

P1C1F1206POEA4

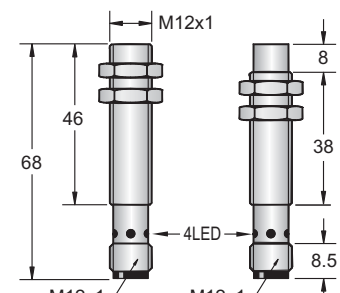
33

P1C2F1210POEA4

P1C1F1206PCEA4

34

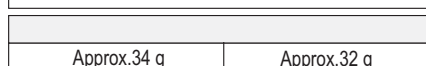
P1C2F1210PCEA4



approx.31 g

approx.30 g

DC METAL FACE INDUCTIVE PROXIMITY SENSORS

[illegible][illegible]

Two views of a stainless steel cable gland. The left view shows the gland from the side, highlighting its cylindrical shape and the cable passing through the center. The right view shows the gland from the front, showing the hexagonal base and the cable entering the gland.

[illegible]