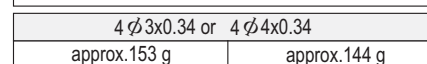


DC METAL FACE INDUCTIVE PROXIMITY SENSORS

Two stainless steel push pins are shown, each with a white label and a CE marking.

[illegible]

CE

[illegible][illegible]

DC METAL FACE INDUCTIVE PROXIMITY SENSORS

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

Picture
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

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
●

CE

10-30VDC / 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
Stainless steel

P1C1F1805N03R2	1	P1C2F1808N03R2
P1C1F1805NC3R2	2	P1C2F1808NC3R2
P1C1F1805PO3R2	3	P1C2F1808PO3R2
P1C1F1805PC3R2	4	P1C2F1808PC3R2
P4C1F1805C02R2	7	P4C2F1808C02R2
P4C1F1805CC2R2	8	P4C2F1808CC2R2
P3C1F1805N03R2	1	P3C2F1808N03R2
P3C1F1805NC3R2	2	P3C2F1808NC3R2
P3C1F1805PO3R2	3	P3C2F1808PO3R2
P3C1F1805PC3R2	4	P3C2F1808PC3R2

M18x1
50
12
5
50

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

M18
● ○
5 mm 8 mm
Stainless steel
●

CE

10-30VDC / 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
Stainless steel

P1C1F1805N03S2	1	P1C2F1808N03S2
P1C1F1805NC3S2	2	P1C2F1808NC3S2
P1C1F1805PO3S2	3	P1C2F1808PO3S2
P1C1F1805PC3S2	4	P1C2F1808PC3S2
P4C1F1805C02S2	7	P4C2F1808C02S2
P4C1F1805CC2S2	8	P4C2F1808CC2S2
P3C1F1805N03S2	1	P3C2F1808N03S2
P3C1F1805NC3S2	2	P3C2F1808NC3S2
P3C1F1805PO3S2	3	P3C2F1808PO3S2
P3C1F1805PC3S2	4	P3C2F1808PC3S2

M18x1
35
28
40

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

DC METAL FACE INDUCTIVE PROXIMITY SENSORS

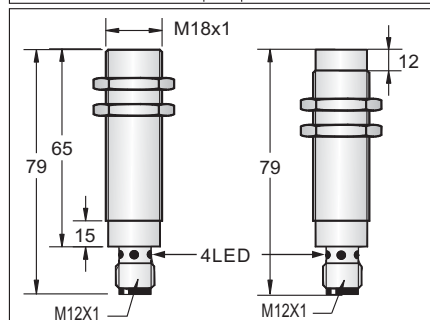
M18	
●	○
5 mm	8 mm
Stainless steel	
●	



10-30VDC / 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	
Stainless steel	

P1C1F1805NOEA4	31	P1C2F1808NOEA4
P1C1F1805NCEA4	32	P1C2F1808NCEA4
P1C1F1805POEA4	33	P1C2F1808POEA4
P1C1F1805PCEA4	34	P1C2F1808PCEA4

P4C1F1805COEA4	37	P4C2F1808COEA4
P4C1F1805CCEA4	38	P4C2F1808CCEA4
P3C1F1805NOEA4	31	P3C2F1808NOEA4
P3C1F1805NCEA4	32	P3C2F1808NCEA4
P3C1F1805POEA4	33	P3C2F1808POEA4
P3C1F1805PCEA4	34	P3C2F1808PCEA4



approx.94 g	approx.91 g
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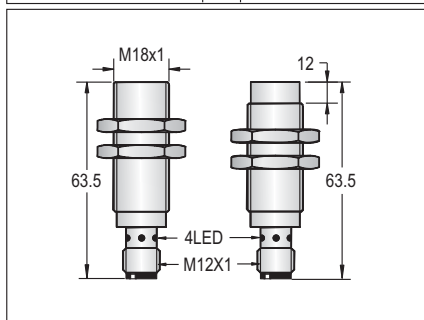
M18	
●	○
5 mm	8 mm
Stainless steel	
●	



10-30VDC / 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	
Stainless steel	

P1C1F1805NOER4	31	P1C2F1808NOER4
P1C1F1805NCER4	32	P1C2F1808NCER4
P1C1F1805POER4	33	P1C2F1808POER4
P1C1F1805PCER4	34	P1C2F1808PCER4

P4C1F1805COER4	37	P4C2F1808COER4
P4C1F1805CCER4	38	P4C2F1808CCER4
P3C1F1805NOER4	31	P3C2F1808NOER4
P3C1F1805NCER4	32	P3C2F1808NCER4
P3C1F1805POER4	33	P3C2F1808POER4
P3C1F1805PCER4	34	P3C2F1808PCER4



approx.94 g	approx.91 g
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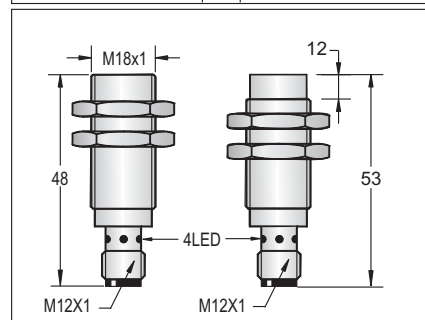
M18	
●	○
5 mm	8 mm
Stainless steel	
●	



10-30VDC / 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	
Stainless steel	

P1C1F1805NOES4	31	P1C2F1808NOES4
P1C1F1805NCES4	32	P1C2F1808NCES4
P1C1F1805POES4	33	P1C2F1808POES4
P1C1F1805PCES4	34	P1C2F1808PCES4

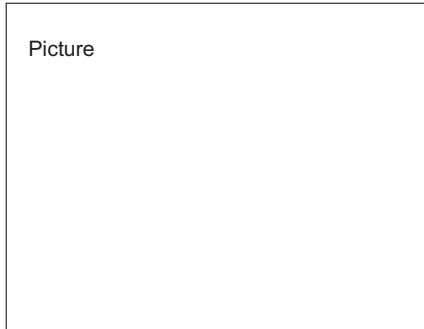
P4C1F1805COES4	37	P4C2F1808COES4
P4C1F1805CCES4	38	P4C2F1808CCES4
P3C1F1805NOES4	31	P3C2F1808NOES4
P3C1F1805NCES4	32	P3C2F1808NCES4
P3C1F1805POES4	33	P3C2F1808POES4
P3C1F1805PCES4	34	P3C2F1808PCES4



Approx.50 g

DC METAL FACE 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.

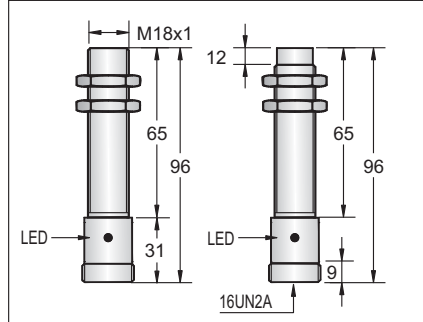
Cable 2M (PVC)
Weight

M18
● ○
5 mm 8 mm
Stainless steel
●



10-30VDC/ 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
Stainless steel

P1C1F1805NOZA4	43	P1C2F1808NOZA4
P1C1F1805NCZA4	44	P1C2F1808NCZA4
P1C1F1805POZA4	45	P1C2F1808POZA4
P1C1F1805PCZA4	46	P1C2F1808PCZA4
P4C1F1805COZA4	49	P4C2F1808COZA4
P4C1F1805CCZA4	50	P4C2F1808CCZA4
P3C1F1805NOZA4	43	P3C2F1808NOZA4
P3C1F1805NCZA4	44	P3C2F1808NCZA4
P3C1F1805POZA4	45	P3C2F1808POZA4
P3C1F1805PCZA4	46	P3C2F1808PCZA4



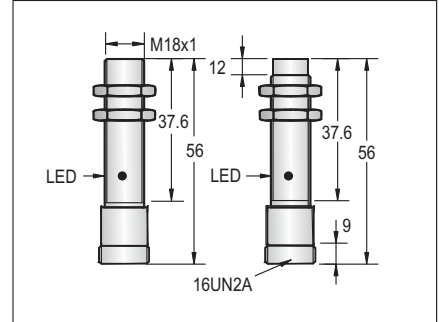
Approx.94 g	Approx.91 g
-------------	-------------

M18
● ○
5 mm 8 mm
Stainless steel
●



10-30VDC/ 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
Stainless steel

P1C1F1805NOZR4	43	P1C2F1808NOZR4
P1C1F1805NCZR4	44	P1C2F1808NCZR4
P1C1F1805POZR4	45	P1C2F1808POZR4
P1C1F1805PCZR4	46	P1C2F1808PCZR4
P4C1F1805COZR4	49	P4C2F1808COZR4
P4C1F1805CCZR4	50	P4C2F1808CCZR4
P3C1F1805NOZR4	43	P3C2F1808NOZR4
P3C1F1805NCZR4	44	P3C2F1808NCZR4
P3C1F1805POZR4	45	P3C2F1808POZR4
P3C1F1805PCZR4	46	P3C2F1808PCZR4



Approx.68 g	Approx.65 g
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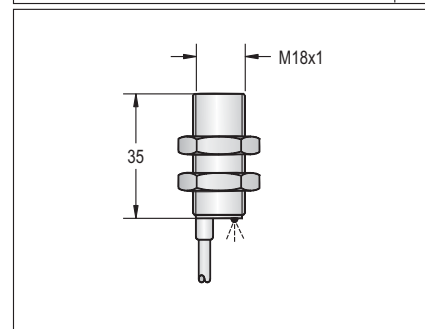
DC METAL FACE INDUCTIVE PROXIMITY SENSORS

M18

8mm
Stainless steel




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
Stainless steel

[illegible]

4φ 3x0.34
Approx.132 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

M18

8 mm

16 mm

Stainless steel



CE

10-30VDC

<10%

<10mA

200mA

<0.01mA

<1.5V

<2V

500HZ

150HZ

0.5ms/0.5ms

1ms/1ms

<15%(Sr)

<1.0%(Sr)

IP67

-25°C - +70°C

<10%(Sr)

YES

220mA

Stainless steel

P1C1F1808NOEA4

31

P1C2F1816NOEA4

P1C1F1808NCEA4

32

P1C2F1816NCEA4

P1C1F1808POEA4

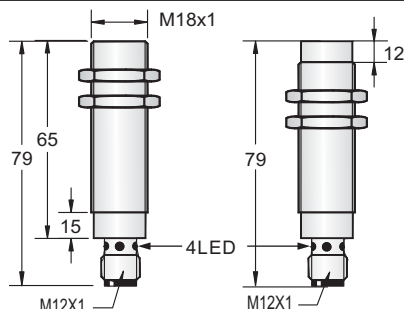
33

P1C2F1816POEA4

P1C1F1808PCEA4

34

P1C2F1816PCEA4



approx.94 g

approx.91 g

M18

8 mm

16 mm

Stainless steel



CE

10-30VDC

<10%

<10mA

200mA

<0.01mA

<1.5V

<2V

500HZ

150HZ

0.5ms/0.5ms

1ms/1ms

<15%(Sr)

<1.0%(Sr)

IP67

-25°C - +70°C

<10%(Sr)

YES

220mA

Stainless steel

P1C1F1808NOER4

31

P1C2F1816NOER4

P1C1F1808NCER4

32

P1C2F1816NCER4

P1C1F1808POER4

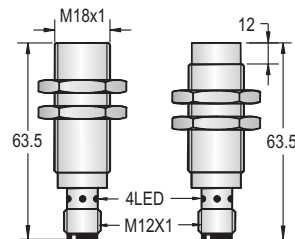
33

P1C2F1816POER4

P1C1F1808PCER4

34

P1C2F1816PCER4



approx.94 g

approx.91 g

DC METAL FACE INDUCTIVE PROXIMITY SENSORS

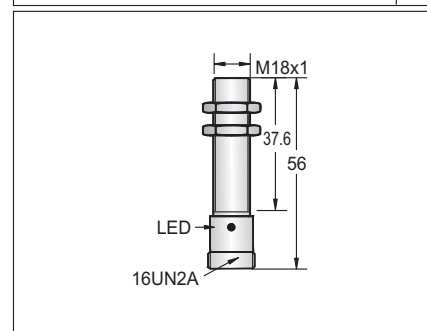
M18

8 mm
Stainless steel




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
Stainless steel

P1C1F1808NOZR4	43
P1C1F1808NCZR4	44
P1C1F1808POZR4	45
P1C1F1808PCZR4	46



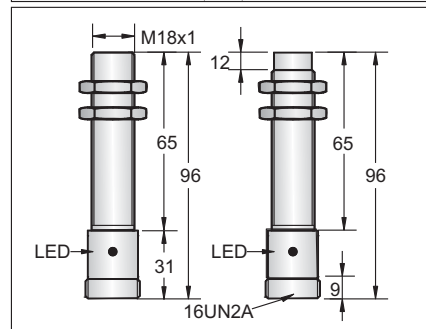
Approx. 68 g

DC METAL FACE INDUCTIVE PROXIMITY SENSORS

M18	
	
12 mm	20 mm
Stainless steel	
	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2V	
300HZ	100HZ
0.5ms/0.5ms	1ms/1ms
<15%/(Sr)	
<1.0%/(Sr)	
IP67	
-25°C - +70°C	
<10%/(Sr)	
YES	
220mA	
Stainless steel	

[illegible]

Approx.94q	Approx.91q