

DC ULTRA-MINI INDUCTIVE PROXIMITY SENSORS

M5

Page 10 of 10

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

 $<10\%(\text{Sr})$

YES

220mA

	POM
--	-----

FORM	
B1010050-8NO303	1

P1C1S050.8NO3S2	1
P1C1S050.8NO3S2	2

P1C1S050.8NC3S2	2
P1C1S050.8NC3S2	2

P1C1S050.8PO3S2	3
P1C1S050.8PO3S2	4

P1C1S050.8PC3S2	4
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[illegible]

[illegible]

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Technical drawing of a 5mm LED. The drawing shows a cylindrical component with a threaded top section. The top section has a diameter of $M5 \times 0.5$. The total height of the component is 25 mm. The height of the threaded section is 19 mm. The height of the unthreaded section is 20 mm. The diameter of the unthreaded section is $\phi 2.7$. The label "LED" points to the unthreaded section.

 $2.7\phi \ 3 \times 0.15$

approx.25 g

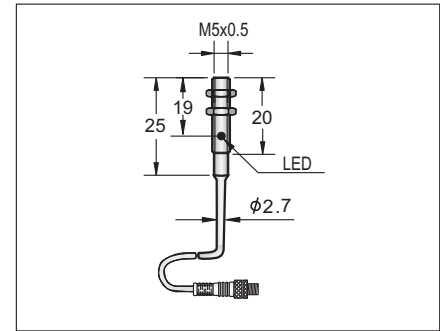
DC ULTRA-MINI INDUCTIVE PROXIMITY SENSORS

M5
●
0.8 mm
Stainless steel
●



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<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

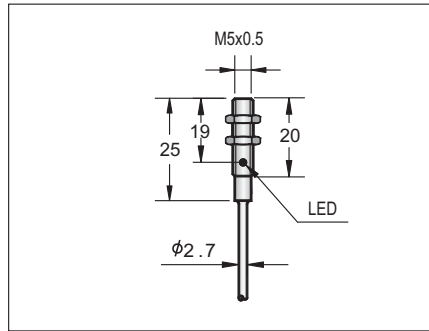
M5
●
1.5 mm
Stainless steel
●



CE

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<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

[illegible]

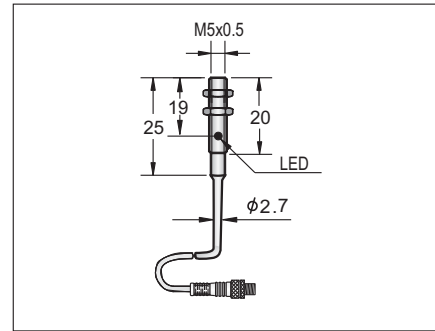
2.7 ϕ 3x0.15
approx.25 g

M5
●
1.5 mm
Stainless steel
●



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<10%
<10mA
200mA
<0.01mA
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220mA
POM

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

[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.)

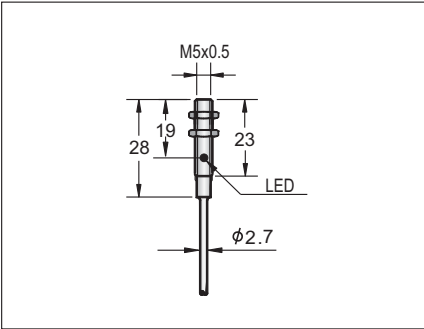
Dimensions (unit: mm)

Cable 2M (PUR)
Weight

M5
●
0.8 mm
Stainless steel
●



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

[illegible]

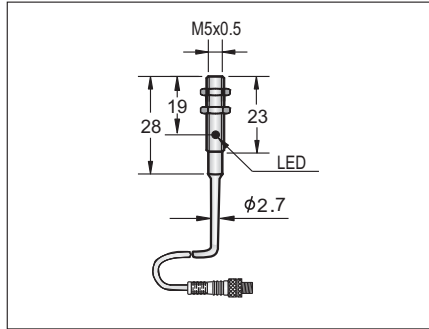
2.7 ϕ 3x0.15
approx.25 g

M5

0.8 mm
Stainless steel




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

[illegible]

2.7ϕ 3x0.15
approx.25 g

DC ULTRA-MINI INDUCTIVE PROXIMITY SENSORS

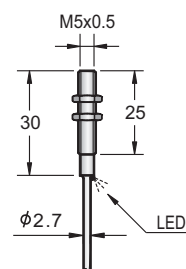
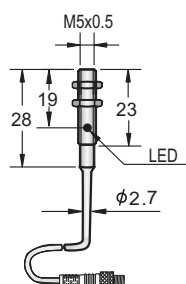
M5

0.8 mm
Stainless steel



CE

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<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

[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

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Ripple

No Load Current

Max. Load Current

Leakage Current

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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

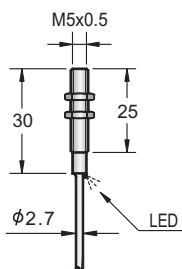
2

P1C1S051.5P03B2

3

P1C1S051.5PC3B2

4



2.7φ 3x0.15

approx.25 g

M5

●

0.8 mm

Stainless steel

●



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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

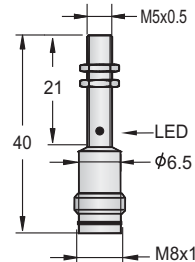
25

P1C1S050.8POPA3

26

P1C1S050.8PCPA3

26



Approx. 14 g

DC ULTRA-MINI INDUCTIVE PROXIMITY SENSORS

Q5x5x26

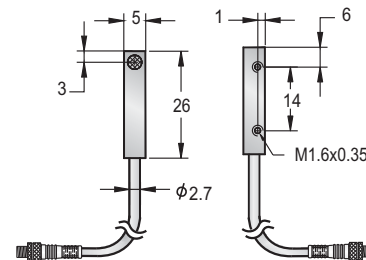
0.8 mm
Nickel plated brass



CE

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200mA
<0.01mA
<1.5V
2KHZ
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<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