

# DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS

Diameter

● Shielded ○ Non-shielded

Switching Distance Sn: mm

Housing Material

● With LED ○ Without LED

Picture



CE

M8

●

3mm

Stainless steel

●

φ8

●

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

<2.0V

1KHZ

0.2ms/0.2ms

<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.

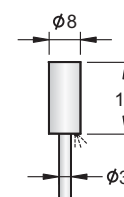
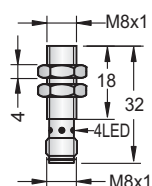
DC 3 wire 5-36V NPN N.C.

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.)



Cable 2M (PVC)

Weight

-

Approx.15 g

3φ 3x0.15

Approx.25 g

## DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS

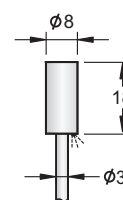
|                 |
|-----------------|
| ø8              |
| ●               |
| 2mm             |
| Stainless steel |
| ●               |



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 |

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φ8

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CE

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2mm

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<15%(Sr)

<1.0%(Sr)

IP67

-25 °C - +70 °C

<10%(Sr)

YES

220mA

POM

P1D1S0802NOTR3

25

P1D1S0802NCTR3

25

P1D1S0802POTR3

26

P1D1S0802PCTR3

26

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

P1D1S0802NOPR3

25

P1D1S0802NCPR3

25

P1D1S0802POPR3

26

P1D1S0802PCPR3

26

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DC 2 wire 10-60V N.C.

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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.

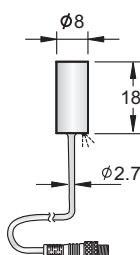
DC 3 wire 5-36V PNP N.O.

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

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

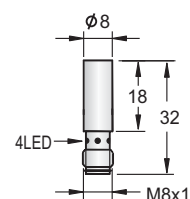
DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

Dimensions (unit: mm)



Cable 0.3m PUR with m8x1 connect

Approx. 18 g



Approx. 8.0 g

## DC MINI-SHORTER INDUCTIVE PROXIMITY SENSORS

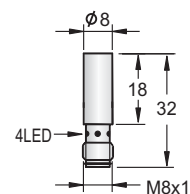
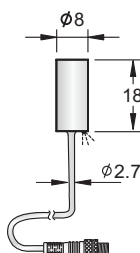
|                 |
|-----------------|
| ø8              |
| ●               |
| 3mm             |
| Stainless steel |
| ●               |



CE

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

|                |    |
|----------------|----|
| P1D1S0803NOPR3 | 25 |
| P1D1S0803NCPR3 | 25 |
| P1D1S0803POPR3 | 26 |
| P1D1S0803PCPR3 | 26 |



Approx. 8.0 g