

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)

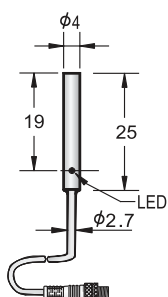
Cable 2M (PUR)
Weight

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]

2.7 ϕ 3x0.15
approx.25 g

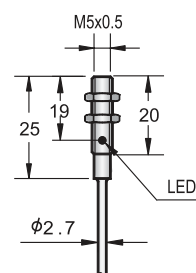
M5

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

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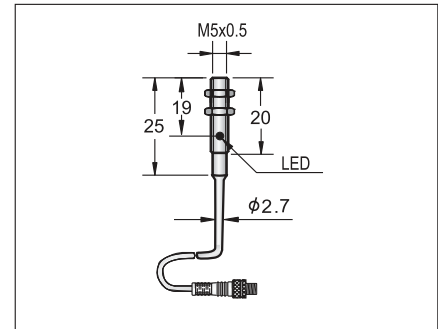
M5
●
0.8 mm
Stainless steel
●



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

HG-A0.8NO-M5F3	1
HG-A0.8NC-M5F3	2
HG-A0.8PO-M5F3	3
HG-A0.8PC-M5F3	4

[illegible]

2.7 ϕ 3x0.15
approx.25 g

M5

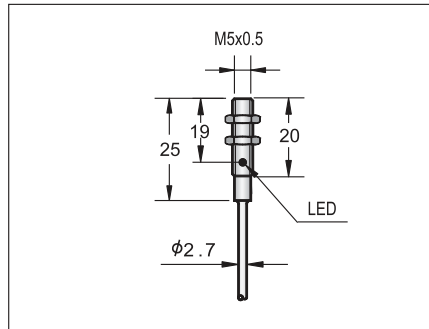
1.5 mm
Stainless steel




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

HG-A1.5NO-M5E	1
HG-A1.5NC-M5E	2
HG-A1.5PO-M5E	3
HG-A1.5PC-M5E	4

[illegible]

2.7 ϕ 3x0.15
approx.25 g

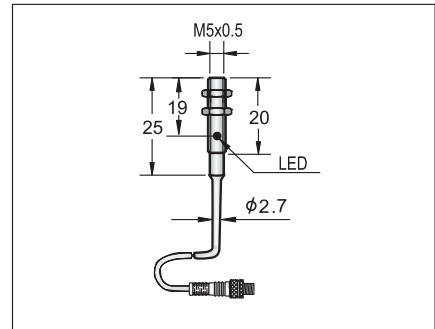
M5
●
1.5 mm
Stainless steel
●



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

HG-A1.5NO-M5F3	1
HG-A1.5NC-M5F3	2
HG-A1.5PO-M5F3	3
HG-A1.5PC-M5F3	4

[illegible]

2.7 ϕ 3x0.15
approx.25 g

DC ULTRA-MINI INDUCTIVE PROXIMITY SENSORS

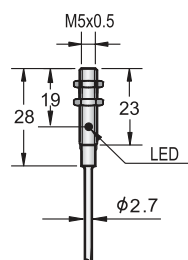
Diameter
☒ Shielded ☐ Non-shielded
Switching Distance Sn: mm
Housing Material
☒ With LED ☐ Without LED

Picture

Operating Voltage
Ripple
No Load Current
Max. Load Current
Leakage Current
Voltage Drop
Switching Frequency
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Protection Category
Operating Temperature
Temperature Drift
Short Circuit Protection
Overload Trip Point
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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

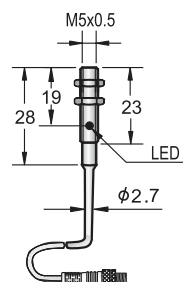
M5

0.8 mm
Stainless steel




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]

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

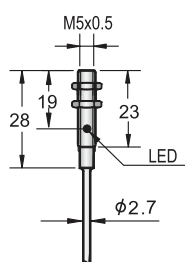
M5

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

HG-A1.5NO-M5E-01	1
HG-A1.5NC-M5E-01	2
HG-A1.5PO-M5E-01	3
HG-A1.5PC-M5E-01	4



2.7 ϕ 3x0.15
approx.25 g

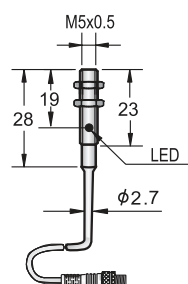
M5

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

HG-A1.5NO-M5F3-01	1
HG-A1.5NC-M5F3-01	2
HG-A1.5PO-M5F3-01	3
HG-A1.5PC-M5F3-01	4



2.7ϕ 3x0.15
approx.25 g

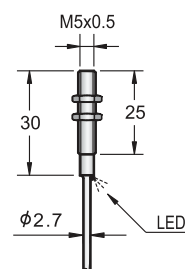
M5

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

HG-A0.8NO-M5E-02	1
HG-A0.8NC-M5E-02	2
HG-A0.8PO-M5E-02	3
HG-A0.8PC-M5E-02	4



2.7 ϕ 3x0.15
approx.25 g

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

Picture

Operating Voltage
Ripple
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Max. Load Current
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DC 3 wire 5-36V NPN N.C.
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DC 4 wire 5-36V Changeover NPN (N.O & N.C.)

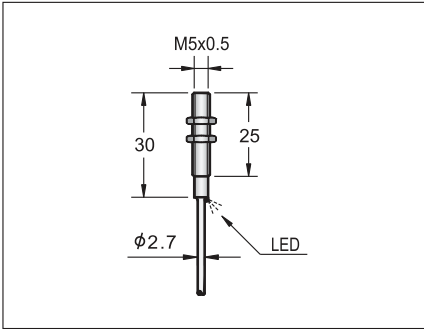
Dimensions (unit: mm)

Cable 2M (PVC)
Weight

M5
●
1.5 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

[illegible]

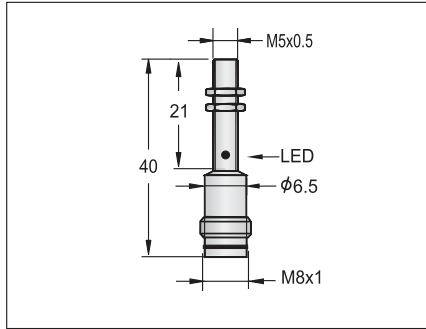
2.7φ 3x0.15
approx.25 g

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

[illegible]

	Approx.14 g

DC ULTRA-MINI INDUCTIVE PROXIMITY SENSORS

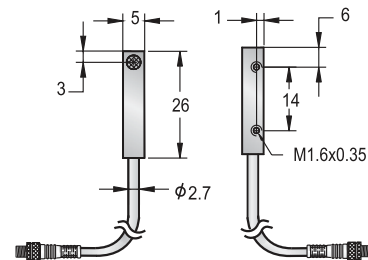
Q5x5x26
0.8 mm
Nickel plated brass




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

HG-A0.8NO-C5F3	1
HG-A0.8NC-C5F3	2
HG-A0.8PO-C5F3	3
HG-A0.8PC-C5F3	4



2.7 ϕ 3x0.15
Approx.30 g