

DC 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

M8

	
3 mm	6 mm
Stainless steel or Nickel plated brass	
	

10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<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	
POM	

[illegible]

Technical drawing of the LED module showing two views: a side view and a front view. The side view on the left shows a total height of 53 mm and a mounting hole diameter of M 8x1. The front view on the right shows a total height of 53 mm, a mounting hole diameter of M12, and a distance of 4 mm from the top edge to the first LED. Both views indicate the presence of 4 LEDs.

Approx.17 g

Q8

	●
	1 mm
	Nickel plated brass
	●



CE

10-30VDC / 5-36VDC
<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

P1S1B8801N03A2	1
P1S1B8801NC3A2	2
P1S1B8801PO3A2	3
P1S1B8801PC3A2	4
P2S1B8801N03A2	1
P2S1B8801NC3A2	2
P2S1B8801PO3A2	3
P2S1B8801PC3A2	4

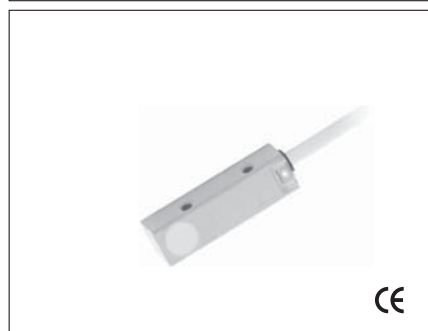
Technical drawings of the LED module showing front and side views with dimensions:

- Front View (Left):**
 - Overall height: 40.0
 - Top width: 8x8
 - Top hole diameter: 4.8
 - Bottom hole diameter: 5.6
 - Bottom hole offset from bottom: 3.9
 - LED chip location: LED
- Side View (Right):**
 - Top hole diameter: M3x0.5
 - Distance from top hole to bottom hole: 20.0
 - Distance from bottom hole to bottom edge: 10.0
 - Bottom edge thickness: 2.5

3 ϕ 3x0.15
Approx.38 g

DC INDUCTIVE PROXIMITY SENSORS

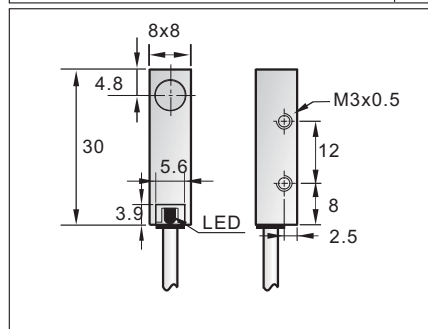
Q8
●
1 mm
Nickel plated brass
●



10-30VDC \ 5-36VDC
<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

P1S1B8801NO3S2	1
P1S1B8801NC3S2	2
P1S1B8801PO3S2	3
P1S1B8801PC3S2	4

P2S1B8801NO3S2	1
P2S1B8801NC3S2	2
P2S1B8801PO3S2	3
P2S1B8801PC3S2	4



3 ϕ 3x0.15
Approx.38 g

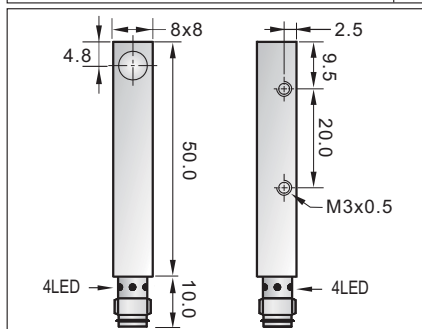
Q8
●
1 mm
Nickel plated brass
●



10-30VDC / 5-36VDC
<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

P1S1B8801NOPA3	25
P1S1B8801NCPA3	25
P1S1B8801POPA3	26
P1S1B8801PCPA3	26

P2S1B8801NOPA3	25
P2S1B8801NCPA3	25
P2S1B8801POPA3	26
P2S1B8801PCPA3	26



Approx.38 g

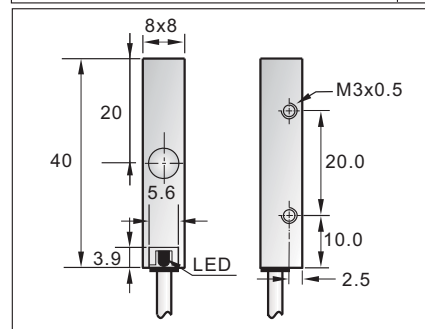
Q8
●
1 mm
Nickel plated brass
●



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

P1S1B8801NO3A2M	1
P1S1B8801NC3A2M	2
P1S1B8801PO3A2M	3
P1S1B8801PC3A2M	4

P2S1B8801NO3A2M	1
P2S1B8801NC3A2M	2
P2S1B8801PO3A2M	3
P2S1B8801PC3A2M	4



3 ϕ 3x0.15
Approx.38 g

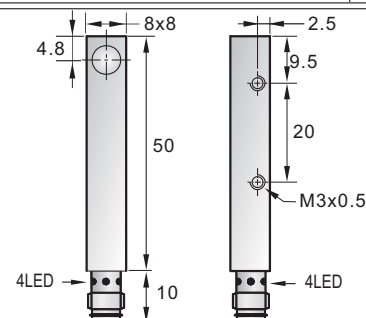
DC INDUCTIVE PROXIMITY SENSORS

Q8
●
2 mm
Nickel plated brass
●



CE

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

[illegible]

Approx.38 g

DC INDUCTIVE PROXIMITY SENSORS

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

Picture

Q8
●
2 mm
Nickel plated brass
●



CE

Q8
●
2 mm
Nickel plated brass
●



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

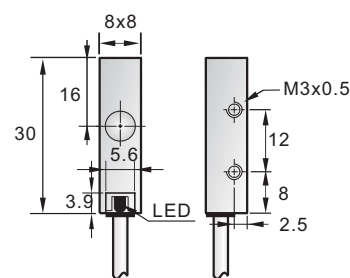
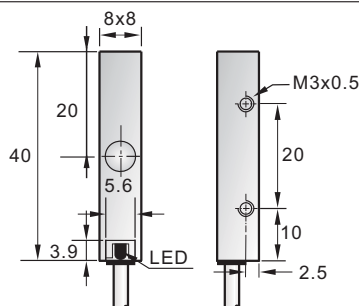
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<2.0V
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0.1ms/0.1ms
<15%(Sr)
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IP67
-25°C - +70°C
<10%(Sr)
YES
220mA
POM

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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.)

[illegible][illegible]

Dimensions (unit: mm)



Cable 2M (PVC)
Weight

3 ϕ 3x0.15
Approx.38 g

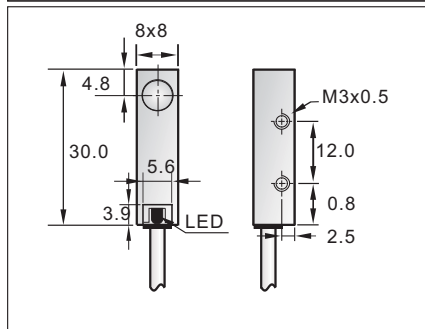
3 ϕ 3x0.15
Approx.38 g

DC INDUCTIVE PROXIMITY SENSORS

Q8
●
3 mm
Nickel plated brass
●



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

[illegible]

3 ϕ 3x0.15
Approx.38 g

DC INDUCTIVE PROXIMITY SENSORS

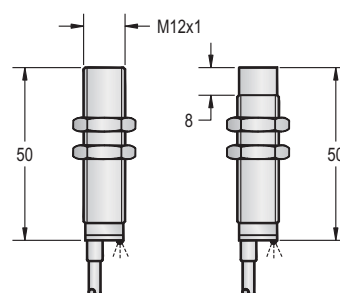
M12	
	
2 mm	4 mm
Stainless steel or Nickel plated brass	
	



CE

10-30VDC / 5-36VDC / 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	
POM	PBT

P1C1B1202N03A2	1	P1C2B1204N03A2
P1C1B1202NC3A2	2	P1C2B1204NC3A2
P1C1B1202P03A2	3	P1C2B1204P03A2
P1C1B1202PC3A2	4	P1C2B1204PC3A2
P1C1B1202PS4A2	6	P1C2B1204PS4A2
P1C1B1202NS4A2	5	P1C2B1204NS4A2
P4C1B1202C02A2	7	P4C2B1204C02A2
P4C1B1202CC2A2	8	P4C2B1204CC2A2
P3C1B1202N03A2	1	P3C2B1204N03A2
P3C1B1202NC3A2	2	P3C2B1204NC3A2
P3C1B1202P03A2	3	P3C2B1204P03A2
P3C1B1202PC3A2	4	P3C2B1204PC3A2
P2C1B1202N03A2	1	P2C2B1204N03A2
P2C1B1202NC3A2	2	P2C2B1204NC3A2
P2C1B1202P03A2	3	P2C2B1204P03A2
P2C1B1202PC3A2	4	P2C2B1204PC3A2
P2C1B1202PS4A2	6	P2C2B1204PS4A2
P2C1B1202NS4A2	5	P2C2B1204NS4A2



4 ϕ 3x0.15 or 4 ϕ 4x0.15	
Approx.67 g	Approx.65 g