

DC CAPACITIVE 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

φ 6.5

●

○

1mm

2mm

Nickel plated brass

●



CE

10-30VDC

<10%

<10mA

200mA

<0.01mA

<2VDC

100HZ

1.5ms/1.5ms

<15%(Sr)

<5%(Sr)

IP67

-25°C— +70°C

<10%(Sr)

YES

220mA

POM

CG-A1NO-Q6F2-1 1

CG-B2NO-Q6F2-1

CG-A1NC-Q6F2-1 2

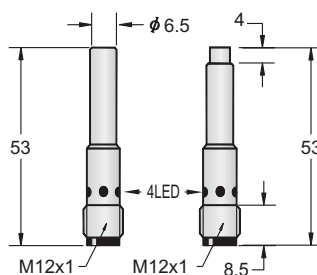
CG-B2NC-Q6F2-1

CG-A1PO-Q6F2-1 3

CG-B2PO-Q6F2-1

CG-A1PC-Q6F2-1 4

CG-B2PC-Q6F2-1



Approx.20 g

M8

●

○

1mm

2mm

Nickel plated brass

●



CE

10-30VDC

<10%

<10mA

200mA

<0.01mA

<2VDC

100HZ

1.5ms/1.5ms

<15%(Sr)

<5%(Sr)

IP67

-25°C— +70°C

<10%(Sr)

YES

220mA

POM

CG-A1NO-M8E 1

CG-B2NO-M8E

CG-A1NC-M8E 2

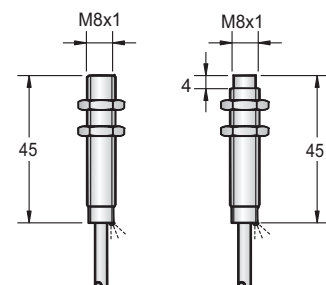
CG-B2NC-M8E

CG-A1PO-M8E 3

CG-B2PO-M8E

CG-A1PC-M8E 4

CG-B2PC-M8E


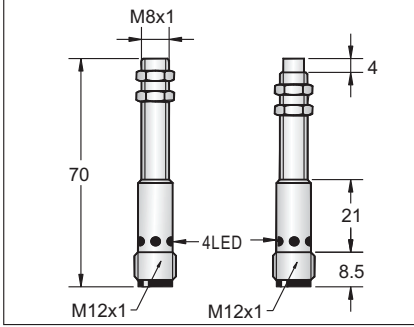



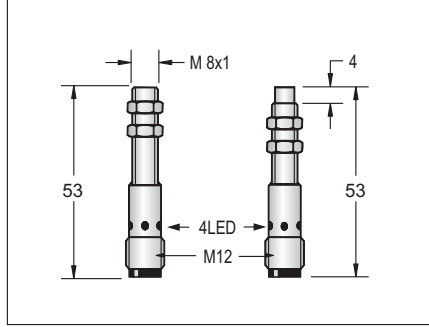
3 φ 3x0.15

Approx.40 g

DC CAPACITIVE 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	
●	○
1 mm	2mm
Nickel plated brass	
●	
	
Operating Voltage	10-30VDC
Ripple	<10%
No Load Current	<10mA
Max. Load Current	200mA
Leakage Current	<0.01mA
Voltage Drop	<2VDC
Switching Frequency	100HZ
Response Time	1.5ms/1.5ms
Switching Hysteresis	<15%(Sr)
Repeat Accuracy	<5%(Sr)
Protection Category	IP67
Operating Temperature	-25°C— +70°C
Temperature Drift	<10%(Sr)
Short Circuit Protection	YES
Overload Trip Point	220mA
Material Active Face	POM
CG-A1NO-M8F2	1
CG-A1NC-M8F2	2
CG-A1PO-M8F2	3
CG-A1PC-M8F2	4
CG-B2NO-M8F2	1
CG-B2NC-M8F2	2
CG-B2PO-M8F2	3
CG-B2PC-M8F2	4
	
approx.22g	approx.21g

M8	
●	○
1 mm	2mm
Nickel plated brass	
●	
	
Operating Voltage	10-30VDC
Ripple	<10%
No Load Current	<10mA
Max. Load Current	200mA
Leakage Current	<0.01mA
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Protection Category	IP67
Operating Temperature	-25°C— +70°C
Temperature Drift	<10%(Sr)
Short Circuit Protection	YES
Overload Trip Point	220mA
Material Active Face	POM
CG-A1NO-M8F2-1	1
CG-A1NC-M8F2-1	2
CG-A1PO-M8F2-1	3
CG-A1PC-M8F2-1	4
CG-B2NO-M8F2-1	1
CG-B2NC-M8F2-1	2
CG-B2PO-M8F2-1	3
CG-B2PC-M8F2-1	4
	
approx.22g	approx.21g