

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.)

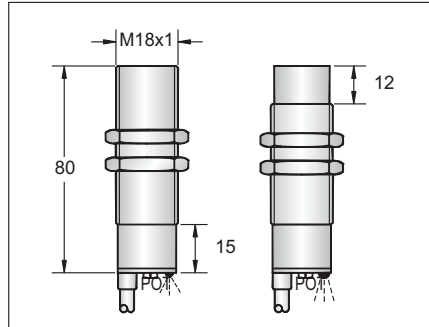
Dimensions (unit: mm)

Cable 2M (PVC)
Weight

M18	
	
2-8 mm adjustable	2-15 mm adjustable
Nickel plated brass	
	



10-30VDC
<10%
<10mA
300mA
<0.01mA
<2VDC
100HZ
1.5ms/1.5ms
<15%(Sr)
<5%(Sr)
IP67
-25°C— +70°C
<10%(Sr)
YES
350mA
PBT

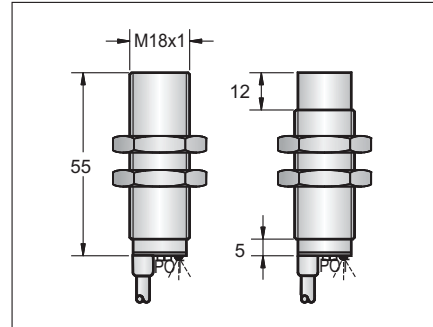
[illegible]

4 ϕ 3x0.34 or 4 ϕ 3x0.34	
approx.115g	approx.110g

M18	
●	○
2-8 mm adjustable	2-15 mm adjustable
nickel plated brass	
●	



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
PBT

[illegible]

4 ϕ 3x0.34 or 4 ϕ 3x0.34	
Approx.110g	Approx.105g

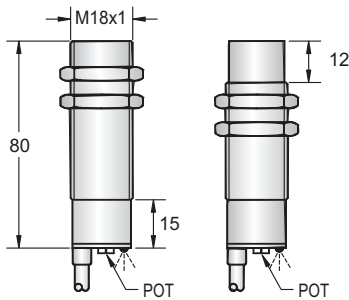
DC CAPACITIVE PROXIMITY SENSORS

M18	
●	○
2-8 mm adjustable	2-15mm adjustable
PBT RESIN	
●	



10-30VDC
<10%
<10mA
300mA
<0.01mA
<2VDC
100HZ
1.5ms/1.5ms
<15%(Sr)
<5%(Sr)
IP67
-25°C— +70°C
<10%(Sr)
YES
350mA
PBT

CP-A8NO-M18E	1	CP-B15NO-M18E
CP-A8NC-M18E	2	CP-B15NC-M18E
CP-A8PO-M18E	3	CP-B15PO-M18E
CP-A8PC-M18E	4	CP-B15PC-M18E
CP-A8PS-M18E	5	CP-B15PS-M18E
CP-A8NS-M18E	6	CP-B15NS-M18E



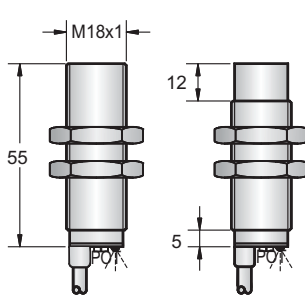
4 ϕ 3x0.34 or 4 ϕ 3x0.34	
approx.92g	approx.94g

M18	
	
2-8 mm adjustable	2-15 mm adjustable
PBT RESIN	
	



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
PBT

CP-A8NO-M18E-1	1	CP-B15NO-M18E-1
CP-A8NC-M18E-1	2	CP-B15NC-M18E-1
CP-A8PO-M18E-1	3	CP-B15PO-M18E-1
CP-A8PC-M18E-1	4	CP-B15PC-M18E-1
CP-A8PS-M18E-1	5	CP-B15PS-M18E-1
CP-A8NS-M18E-1	6	CP-B15NS-M18E-1



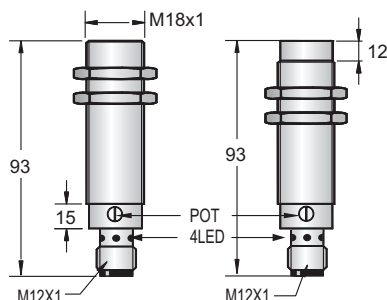
4 ϕ 3x0.34 or 4 ϕ 3x0.34	
Approx.110g	Approx.105g

M18	
●	○
2-8 mm adjustable	2-15 mm adjustable
Nickel plated brass	
●	



10-30VDC
<10%
<10mA
300mA
<0.01mA
<2VDC
100HZ
1.5ms/1.5ms
<15%(Sr)
<5%(Sr)
IP67
-25°C— +70°C
<10%(Sr)
YES
350mA
PBT

CG-A8NO-M18F2	1	CG-B15NO-M18F2
CG-A8NC-M18F2	2	CG-B15NC-M18F2
CG-A8PO-M18F2	3	CG-B15PO-M18F2
CG-A8PC-M18F2	4	CG-B15PC-M18F2
CG-A8PS-M18F2	5	CG-B15PS-M18F2
CG-A8NS-M18F2	6	CG-B15NS-M18F2



approx. 69g

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
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Overload Trip Point
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DC 3 wire 10-30V PNP N.C.
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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)

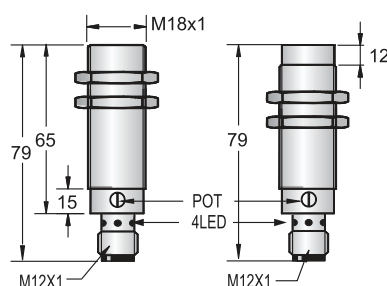
Cable 2M (PVC)
Weight

M18	
	
2-8 mm adjustable	2-15 mm adjustable
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
PBT

[illegible]

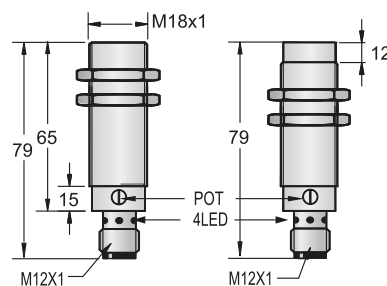
Approx. 62q

M18	
	
2-8 mm adjustable	2-15 mm adjustable
PBT RESIN	
	



CE

10-30VDC
<10%
<10mA
300mA
<0.01mA
<2VDC
100HZ
1.5ms/1.5ms
<15%(Sr)
<5%(Sr)
IP67
-25°C— +70°C
<10%(Sr)
YES
350mA
PBT

[illegible]

Approx.94 q	Approx.91 q

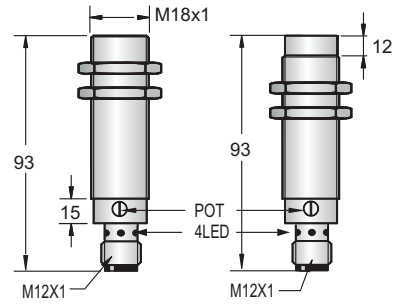
DC CAPACITIVE PROXIMITY SENSORS

M18	
●	○
2-8 mm adjustable	2-15 mm adjustable
PBT RESIN	
●	



10-30VDC
<10%
<10mA
300mA
<0.01mA
<2VDC
100HZ
1.5ms/1.5ms
<15%(Sr)
<5%(Sr)
IP67
-25°C— +70°C
<10%(Sr)
YES
350mA
PBT

CP-A8NO-M18F2-1	1	CP-B15NO-M18F2-1
CP-A8NC-M18F2-1	2	CP-B15NC-M18F2-1
CP-A8PO-M18F2-1	3	CP-B15PO-M18F2-1
CP-A8PC-M18F2-1	4	CP-B15PC-M18F2-1
CP-A8PS-M18F2-1	5	CP-B15PS-M18F2-1
CP-A8NS-M18F2-1	6	CP-B15NS-M18F2-1



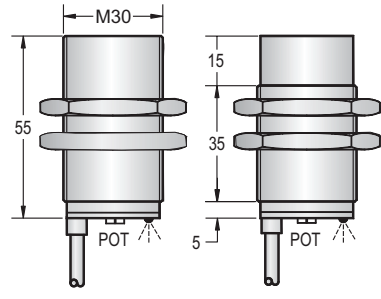
approx.79g	approx.80g

M30	
●	○
2-20 mm adjustable	2-30 mm adjustable
Nickel plated brass	
●	



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
PBT

CG-A20NO-M30E	1	CG-B30NO-M30E
CG-A20NC-M30E	2	CG-B30NC-M30E
CG-A20PO-M30E	3	CG-B30PO-M30E
CG-A20PC-M30E	4	CG-B30PC-M30E
CG-A20PS-M30E	5	CG-B30PS-M30E
CG-A20NS-M30E	6	CG-B30NS-M30E



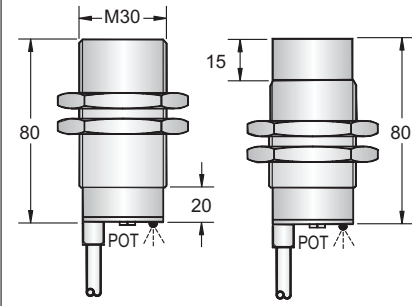
5.8φ 3x0.5(5.8 φ 4x0.5)	
approx.79g	approx.80g

M30	
	
2-20 mm adjustable	2-30mm adjustable
Nickel plated brass	
	



10-30VDC
<10%
<10mA
300mA
<0.01mA
<2VDC
100HZ
1.5ms/1.5ms
<15%(Sr)
<5%(Sr)
IP67
-25°C— +70°C
<10%(Sr)
YES
350mA
PBT

CG-A20NO-M30E-1	1	CG-B30NO-M30E-1
CG-A20NC-M30E-1	2	CG-B30NC-M30E-1
CG-A20PO-M30E-1	3	CG-B30PO-M30E-1
CG-A20PC-M30E-1	4	CG-B30PC-M30E-1
CG-A20PS-M30E-1	5	CG-B30PS-M30E-1
CG-A20NS-M30E-1	6	CG-B30NS-M30E-1



5.8φ 3x0.5(5.8 φ 4x0.5)	
approx.231g	approx.219g