

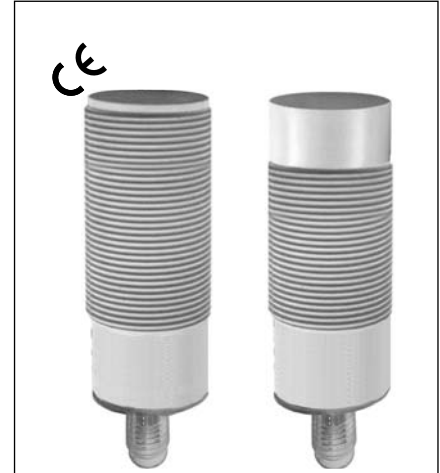
CAPACITIVE PROXIMITY SENSOR (10-30VDC)

Diameter
● Shielded ○ non-Shielded
Switching Distance, Sn: mm
Housing Material
● With LED ○ Without LED

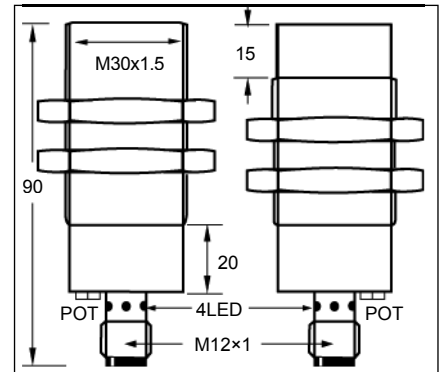
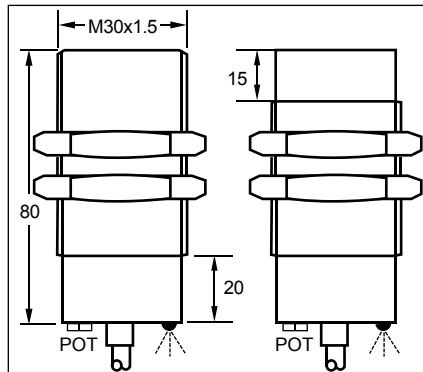
M30	
●	○
2-20 mm	2-30 mm
PBT	
●	

M30	
●	○
2-20 mm	2-30 mm
PBT	
●	

Picture



Dimensions (unit: mm)



Ripple	<10%
No Load Current	<10mA
Max. Load current	300mA
Leakage Current	<0.01mA
Voltage Drop	<2VDC
Switching Frequency	100Hz
Response Time	1.5ms/1.5ms
Switching Hysteresis	<15%(Sr)
Repeat Accuracy	<5.0%(Sr)
Protection Category	IP67
Operating Temperature	-25°C - +70°C
Temperature Drift	<10%(Sr)
Short Circuit Protection	Yes
Overload Trip Point	350mA
Material Active Face	PBT

<10%
<10mA
300mA
<0.01mA
<2VDC
100Hz
1.5ms/1.5ms
<15%(Sr)
<5.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
350mA
PBT

<10%
<10mA
300mA
<0.01mA
<2VDC
100Hz
1.5ms/1.5ms
<15%(Sr)
<5.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
350mA
PBT

Connecting type
Weight

2M Cable (5.0 φ 3x0.34)
approx.70 g

M12 connector
approx.70 g

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

CPS-M3020N-A1VN2	1*	CPN-M3030N-A1VN2
CPS-M3020N-B1VN2	2	CPN-M3030N-B1VN2
CPS-M3020P-A1VN2	3	CPN-M3030P-A1VN2
CPS-M3020P-B1VN2	4	CPN-M3030P-B1VN2

CPS-M3020N-A1EN4	1*	CPN-M3030N-A1EN4
CPS-M3020N-B1EN4	2	CPN-M3030N-B1EN4
CPS-M3020P-A1EN4	3	CPN-M3030P-A1EN4
CPS-M3020P-B1EN4	4	CPN-M3030P-B1EN4

* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 and Page 014.