

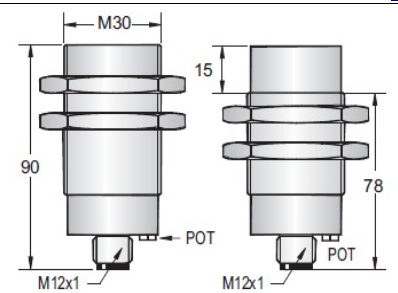
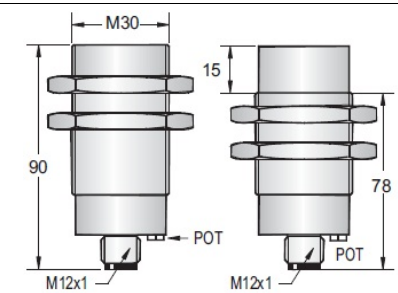


# DC CAPACITIVE PROXIMITY SWITCH(M30)

Diameter	M30			M30		
Shielded/non-Shielded	Shielded/ Non-Shielded			Shielded/ Non-Shielded		
Switching Distance Sn mm	2-20mm adjustable / 2-30mm adjustable			2-20mm adjustable / 2-30mm adjustable		
Housing Material	nickel palated brass			PBT RESIN		
With LED/Without LED	With LED			With LED		
Picture						
Operating Voltage	10-30VDC			10-30VDC		
Ripple	<10%			<10%		
No Load Current	<10MA			<10MA		
Max. Load Current	300mA			300mA		
Leakge Current	<0.01mA			<0.01mA		
Voltage Drop	< 2VDC			< 2VDC		
Switching Frequency	50HZ			50HZ		
Switching Hysteresis	<15%(sr)			<15%(sr)		
Repeat Accuracy	<5%(sr)			<5%(sr)		
Protection Category	IP67			IP67		
Operating Temperature	-25 °C - +70 °C			-25 °C - +70 °C		
Temperature Drift	<10%(sr)			<10%(sr)		
Short Circuit Protection	YES			YES		
Overload Trip Point	350mA			350mA		
Material Active Face	PBT			PBT		
DC 3 wire 10-30V NPN N.O.	C1B1-M3020N-OEA4	∣ C1B2-M3030N-OEA4	31	C1P1-M3020N-OEA4	∣ C1P2-M3030N-OEA4	31
DC 3 wire 10-30V NPN N.C.	C1B1-M3020N-CEA4	∣ C1B2-M3030N-CEA4	32	C1P1-M3020N-CEA4	∣ C1P2-M3030N-CEA4	32
DC 3 wire 10-30V PNP N.O.	C1B1-M3020P-OEA4	∣ C1B2-M3030P-OEA4	33	C1P1-M3020P-OEA4	∣ C1P2-M3030P-OEA4	33
DC 3 wire 10-30V PNP N.C.	C1B1-M3020P-CEA4	∣ C1B2-M3030P-CEA4	34	C1P1-M3020P-CEA4	∣ C1P2-M3030P-CEA4	34
DC 4 wire 10-30V Changeover PNP (N.O. & N.C.)	C1B1-M3020P-SEA4	∣ C1B2-M3030P-SEA4	36	C1P1-M3020P-SEA4	∣ C1P2-M3030P-SEA4	36
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)	C1B1-M3020N-SEA4	∣ C1B2-M3030N-SEA4	35	C1P1-M3020N-SEA4	∣ C1P2-M3030N-SEA4	35
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 PNP N.C.	-			-		
DC 3 wire 5-36V PNP N.O.	-			-		
DC 3 wire 5-36V NPN N.C.	-			-		
DC 3 wire 5-36V NPN N.O.	-			-		
DC 4 wire 5-36V Changeover PNP (N.O & N.C.)	-			-		
DC 4 wire 5-36V Changeover NPN (N.O & N.C.)	-			-		
Wiring diagram number	↑			↑		
Dimensions (unit: mm)						
Cable 2M (PVC)	-			-		
Weight	approx. 147g / approx.137g			approx. 103g / approx.120g		

Subject to modifications without notice

Tel: +86-755-2646 7962

Fax: +86-755-2646 7925

MSN: dfan852@hotmail.com

Web: www.mountiger.com

E-mail: sales@mountiger.com

QQ: 873764592

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