

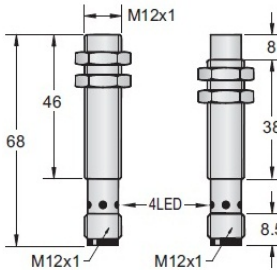
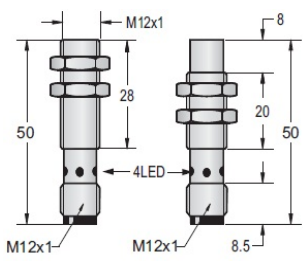


# DC INDUCTIVE PROXIMITY SWITCH(M12)

Diameter	M12		M12		
Shielded/non-Shielded	Shielded/ Non-Shielded		Shielded/ Non-Shielded		
Switching Distance Sn mm	6mm / 10mm		6mm / 10mm		
Housing Material	Nickel plated brass		Nickel plated brass		
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	200mA		200mA		
Leakge Current	<0.01mA		<0.01mA		
Voltage Drop	<2.0V		<2.0V		
Switching Frequency	800HZ / 400HZ		800HZ / 400HZ		
Response Time	0.2ms/0.2ms 0.3ms/0.3ms		0.2ms/0.2ms 0.3ms/0.3ms		
Switching Hysteresis	<15%(Sr)		<15%(Sr)		
Repeat Accuracy	<1.0%(Sr)		<1.0%(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	220MA		220MA		
Material Active Face	POM/PBT		POM/PBT		
DC 3 wire 10-30V NPN N.O.	D1B1-M1206N-OEA4	∣ D1B2-M1210N-OEA4	31	D1B1-M1206N-OES4 ∣ D1B2-M1210N-OES4	31
DC 3 wire 10-30V NPN N.C.	D1B1-M1206N-CEA4	∣ D1B2-M1210N-CEA4	32	D1B1-M1206N-CES4 ∣ D1B2-M1210N-CES4	32
DC 3 wire 10-30V PNP N.O.	D1B1-M1206P-OEA4	∣ D1B2-M1210P-OEA4	33	D1B1-M1206P-OES4 ∣ D1B2-M1210P-OES4	33
DC 3 wire 10-30V PNP N.C.	D1B1-M1206P-CEA4	∣ D1B2-M1210P-CEA4	34	D1B1-M1206P-CES4 ∣ D1B2-M1210P-CES4	34
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 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.31g / approx.30g		approx.25g / approx.23g		

Subject to modifications without notice

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