



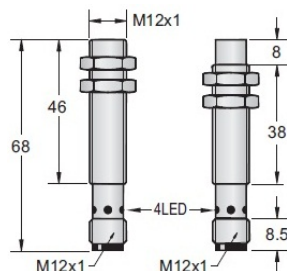
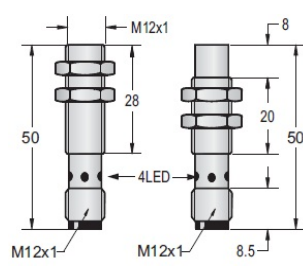


DC INDUCTIVE PROXIMITY SWITCH(M12)

Diameter	M12			M12		
Shielded/non-Shielded	Shielded/ Non-Shielded			Shielded/ Non-Shielded		
Switching Distance Sn mm	4mm / 8mm			4mm / 8mm		
Housing Material	stainless steel or nickel plated brass			stainless steel or nickel plated brass		
With LED/Without LED	With LED			With LED		
Picture						
Operating Voltage	10-30VDC / 5-36VDC / 10-55V/ 10-60VDC			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	1KHZ / 500HZ			1KHZ / 500HZ		
Response Time	0.2ms/0.2ms 0.5ms/0.5ms			0.2ms/0.2ms 0.5ms/0.5ms		
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-M1204N-OEA4	D1B2-M1208N-OEA4	31	D1B1-M1204N-OES4	D1B2-M1208N-OES4	31
DC 3 wire 10-30V NPN N.C.	D1B1-M1204N-CEA4	D1B2-M1208N-CEA4	32	D1B1-M1204N-CES4	D1B2-M1208N-CES4	32
DC 3 wire 10-30V PNP N.O.	D1B1-M1204P-OEA4	D1B2-M1208P-OEA4	33	D1B1-M1204P-OES4	D1B2-M1208P-OES4	33
DC 3 wire 10-30V PNP N.C.	D1B1-M1204P-CEA4	D1B2-M1208P-CEA4	34	D1B1-M1204P-CES4	D1B2-M1208P-CES4	34
DC 4 wire 10-30V Changeover PNP (N.O. & N.C.)	D1B1-M1204P-SEA4	D1B2-M1208P-SEA4	36	-		
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)	D1B1-M1204N-SEA4	D1B2-M1208N-SEA4	35	-		
DC 2 wire 10-60V N.O.	D4B1-M1204C-OEA4	D4B2-M1208C-OEA4	37	-		
DC 2 wire 10-60V N.C.	D4B1-M1204C-CEA4	D4B2-M1208C-CEA4	38	-		
DC 3 wire 10-55v NPN N.O.	D3B1-M1204N-OEA4	D3B2-M1208N-OEA4	31	-		
DC 3 wire 10-55v NPN N.C.	D3B1-M1204N-CEA4	D3B2-M1208N-CEA4	32	-		
DC 3 wire 10-55v PNP N.O.	D3B1-M1204P-OEA4	D3B2-M1208P-OEA4	33	-		
DC 3 wire 10-55v PNP N.C.	D3B1-M1204P-CEA4	D3B2-M1204P-CEA4	34	-		
DC 3 wire 5-36V PNP N.C.	D2B1-M1204N-OEA4	D2B2-M1208N-OEA4	31	-		
DC 3 wire 5-36V PNP N.O.	D2B1-M1204N-CEA4	D2B2-M1208N-CEA4	32	-		
DC 3 wire 5-36V NPN N.C.	D2B1-M1204P-OEA4	D2B2-M1208P-OEA4	33	-		
DC 3 wire 5-36V NPN N.O.	D2B1-M1204P-CEA4	D2B2-M1208P-CEA4	34	-		
DC 4 wire 5-36V Changeover PNP (N.O & N.C.)	D2B1-M1204P-SEA4	D2B2-M1208P-SEA4	36	-		
DC 4 wire 5-36V Changeover NPN (N.O & N.C.)	D2B1-M1204N-SEA4	D2B2-M1208N-SEA4	35	-		
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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