

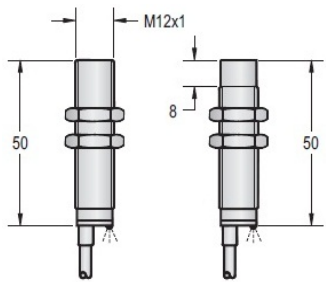
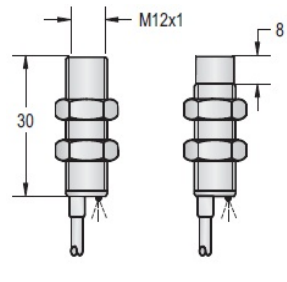


# DC INDUCTIVE PROXIMITY SWITCH(M12)

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-O3A2 ; D1B2-M1208N-O3A2	1	D1B1-M1204N-O3S2 ; D1B2-M1208N-O3S2	1
DC 3 wire 10-30V NPN N.C.	D1B1-M1204N-C3A2 ; D1B2-M1208N-C3A2	2	D1B1-M1204N-C3S2 ; D1B2-M1208N-C3S2	2
DC 3 wire 10-30V PNP N.O.	D1B1-M1204P-O3A2 ; D1B2-M1208P-O3A2	3	D1B1-M1204P-O3S2 ; D1B2-M1208P-O3S2	3
DC 3 wire 10-30V PNP N.C.	D1B1-M1204P-C3A2 ; D1B2-M1208P-C3A2	4	D1B1-M1204P-C3S2 ; D1B2-M1208P-C3S2	4
DC 4 wire 10-30V Changeover PNP (N.O. & N.C.)	D1B1-M1204P-S4A2 ; D1B2-M1208P-S4A2	6	-	
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)	D1B1-M1204N-S4A2 ; D1B2-M1208N-S4A2	5	-	
DC 2 wire 10-60V N.O.	D4B1-M1204C-O2A2 ; D4B2-M1208C-O2A2	7	-	
DC 2 wire 10-60V N.C.	D4B1-M1204C-C2A2 ; D4B2-M1208C-C2A2	8	-	
DC 3 wire 10-55v NPN N.O.	D3B1-M1204N-O3A2 ; D3B2-M1208N-O3A2	1	-	
DC 3 wire 10-55v NPN N.C.	D3B1-M1204N-C3A2 ; D3B2-M1208N-C3A2	2	-	
DC 3 wire 10-55v PNP N.O.	D3B1-M1204P-O3A2 ; D3B2-M1208P-O3A2	3	-	
DC 3 wire 10-55v PNP N.C.	D3B1-M1204P-C3A2 ; D3B2-M1208P-C3A2	4	-	
DC 3 wire 5-36V PNP N.C.	D2B1-M1204N-O3A2 ; D2B2-M1208N-O3A2	1	-	
DC 3 wire 5-36V PNP N.O.	D2B1-M1204N-C3A2 ; D2B2-M1208N-C3A2	2	-	
DC 3 wire 5-36V NPN N.C.	D2B1-M1204P-O3A2 ; D2B2-M1208P-O3A2	3	-	
DC 3 wire 5-36V NPN N.O.	D2B1-M1204P-C3A2 ; D2B2-M1208P-C3A2	4	-	
DC 4 wire 5-36V Changeover PNP (N.O & N.C.)	D2B1-M1204P-S4A2 ; D2B2-M1208P-S4A2	6	-	
DC 4 wire 5-36V Changeover NPN (N.O & N.C.)	D2B1-M1204N-S4A2 ; D2B2-M1208N-S4A2	5	-	
Wiring diagram number	↑		↑	
Dimensions (unit: mm)				
Cable 2M (PVC)	4φ3x0.15 or 4φ4x0.15		4φ3x0.15 or 4φ4x0.15	
Weight	approx.67g / approx.65g		approx.62g / approx.60g	

Subject to modifications without notice

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