

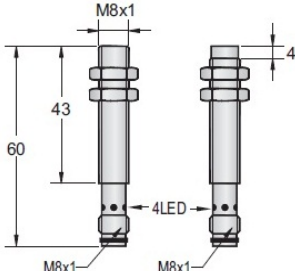
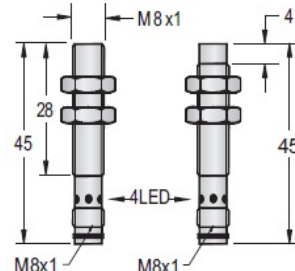


# DC INDUCTIVE PROXIMITY SWITCH(M8)

Diameter	M8			M8				
Shielded/non-Shielded	Shielded/ Non-Shielded			Shielded/ Non-Shielded				
Switching Distance Sn mm	2mm /4mm			2mm /4mm				
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			10-30VDC				
Ripple	<10%			<10%				
No Load Current	<10mA			<10mA				
Max. Load Current	200mA			200mA				
Leakge Current	<0.01mA			<0.01mA				
Voltage Drop	<1.5V			<1.5V				
Switching Frequency	2KHZ / 1KHZ			2KHZ / 1KHZ				
Response Time	0.1ms/0.1ms 0.2ms/0.2ms			0.1ms/0.1ms 0.2ms/0.2ms				
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			POM				
DC 3 wire 10-30V NPN N.O.	D1S1-M0802N-OPA3	∣	D1S2-M0804N-OPA3	31	D1S1-M0802N-OPS3	∣	D1S2-M0804N-OPS3	31
DC 3 wire 10-30V NPN N.C.	D1S1-M0802N-CPA3	∣	D1S2-M0804N-CPA3	32	D1S1-M0802N-CPS3	∣	D1S2-M0804N-CPS3	32
DC 3 wire 10-30V PNP N.O.	D1S1-M0802P-OPA3	∣	D1S2-M0804P-OPA3	33	D1S1-M0802P-OPS3	∣	D1S2-M0804P-OPS3	33
DC 3 wire 10-30V PNP N.C.	D1S1-M0802P-CPA3	∣	D1S2-M0804P-CPA3	34	D1S1-M0802P-CPS3	∣	D1S2-M0804P-CPS3	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)	M8 connector			M8 connector				
Weight	approx.16 g			approx.12 g				

Subject to modifications without notice

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