

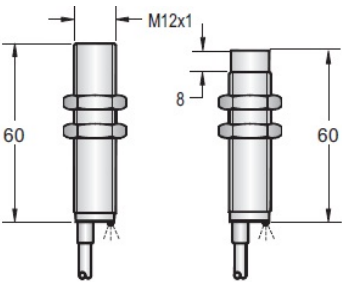
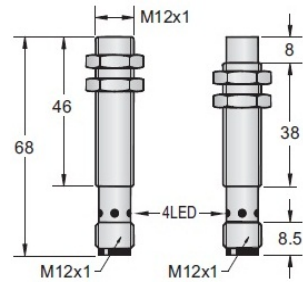


# AC/DC INDUCTIVE PROXIMITY SWITCH(M12)

Diameter	M12		M12	
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	20-250VAC/20-250VDC		20-250VAC/20-250VDC	
No Load Current	<2.5mA		<2.5mA	
Max. Load Current	100mA		100mA	
Leakge Current	<2.5mA		<2.5mA	
Surge Current	2.2A for 20ms		2.2A for 20ms	
Min. Load Current	5mA		5mA	
Voltage Drop	<10VAC;8VDC		<10VAC;8VDC	
Switching Frequency	25HZ AC;40HZ DC		25HZ AC;40HZ DC	
Response Time	10ms / 10ms		10ms / 10ms	
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	NO		NO	
Material Active Face	POM/PBT		POM/PBT	
DC 3 wire 10-30V NPN N.O.	-		-	
DC 3 wire 10-30V NPN N.C.	-		-	
DC 3 wire 10-30V PNP N.O.	-		-	
DC 3 wire 10-30V PNP N.C.	-		-	
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.	-		-	
AC 2 wire 20-250V N.O.	-		-	
AC 2 wire 20-250V N.C.	-		-	
AC 2 wire 20-250V N.O. or N.C. Changeable .	-		-	
AC/DC 2 wire 20-250V N.O.	D8B1-M1202U-O3B2 ; D8B2-M1204U-O3B2	15	D8B1-M1202U-OEB4 ; D8B2-M1204U-OEB4	53
AC/DC 2 wire 20-250V N.C.	D8B1-M1202U-C3B2 ; D8B2-M1204U-C3B2	16	D8B1-M1202U-CEB4 ; D8B2-M1204U-CEB4	53
AC/DC 2 wire 20-250V N.O. or N.C. Changeable	-		-	
Wiring diagram number	↑		↑	
Dimensions (unit: mm)				
Cable 2M (PVC)	4φ3x0.34		M12 connector	
Weight	approx.77 g / approx.76 g		approx.34 g	

Subject to modifications without notice

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