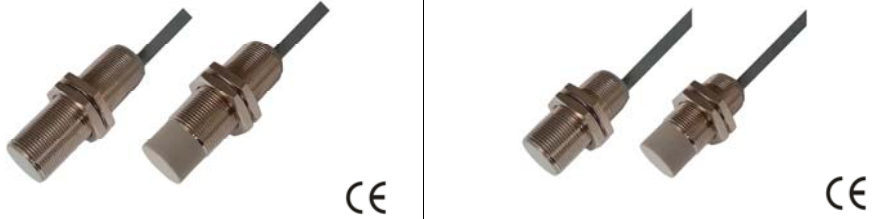

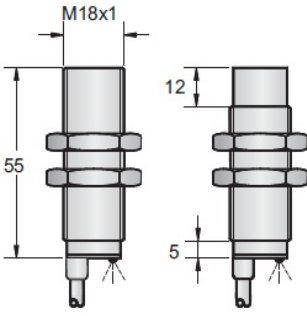
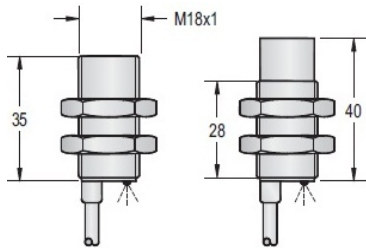


DC INDUCTIVE PROXIMITY SWITCH(M18)

Diameter	M18			M18		
Shielded/non-Shielded	Shielded/ Non-Shielded			Shielded/ Non-Shielded		
Switching Distance Sn mm	12mm / 20mm			12mm / 20mm		
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	300HZ / 100HZ			300HZ / 100HZ		
Response Time	0.5ms/0.5ms 1ms / 1ms			0.5ms/0.5ms 1ms / 1ms		
Switching Hysteresis	<15%(Sr) ; <15%~20%(Sr)			<15%(Sr) ; <15%~20%(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-M1812N-O3A2 ; D1B2-M1820N-O3A2	1	D1B1-M1812N-O3S2 ; D1B2-M1820N-O3S2	1		
DC 3 wire 10-30V NPN N.C.	D1B1-M1812N-C3A2 ; D1B2-M1820N-C3A2	2	D1B1-M1812N-C3S2 ; D1B2-M1820N-C3S2	2		
DC 3 wire 10-30V PNP N.O.	D1B1-M1812P-O3A2 ; D1B2-M1820P-O3A2	3	D1B1-M1812P-O3S2 ; D1B2-M1820P-O3S2	3		
DC 3 wire 10-30V PNP N.C.	D1B1-M1812P-C3A2 ; D1B2-M1820P-C3A2	4	D1B1-M1812P-C3S2 ; D1B2-M1820P-C3S2	4		
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)	5.8φ3x0.5					
Weight	approx.153g / approx.144g			approx.132g / approx.134g		

Subject to modifications without notice

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