



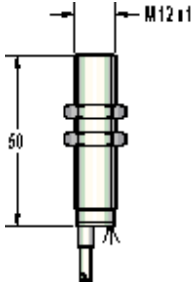
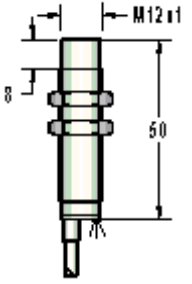


DC METAL FACE INDUCTIVE PROXIMITY SWITCH (M12)

Diameter	M12		M12	
Shielded/non-Shielded	Shielded		Non-Shielded	
Switching Distance Sn mm	2 mm		4 mm	
Housing Material	Stainless Steel		Stainless Steel	
With LED/Without LED	With LED		With LED	
Picture	 CE		 CE	
Operating Voltage	10-30VDC/10-55VDC/10-60VDC		10-30VDC/10-55VDC/10-60VDC	
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	
Response Time	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 - +75 °C		-25 °C - +75 °C	
Temperature Drift	<10%(sr)		<10%(sr)	
Short Circuit Protection	YES		YES	
Overload Trip Point	220mA		220mA	
Material Active Face	Stainless steel		Stainless steel	
DC 3 wire 10-30V NPN N.O.	M1S1-M1202N-O3A2	1	M1S2-M1204N-O3A2	1
DC 3 wire 10-30V NPN N.C.	M1S1-M1202N-C3A2	2	M1S2-M1204N-C3A2	2
DC 3 wire 10-30V PNP N.O.	M1S1-M1202P-O3A2	3	M1S2-M1204P-O3A2	3
DC 3 wire 10-30V PNP N.C.	M1S1-M1202P-C3A2	4	M1S2-M1204P-C3A2	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.	M4S1-M1202C-O2A2	7	M4S2-M1204C-O2A2	7
DC 2 wire 10-60V N.C.	M4S1-M1202C-C2A2	8	M4S2-M1204C-C2A2	8
DC 3 wire 10-55v NPN N.O.	M3S1-M1202N-O3A2	1	M3S2-M1204N-O3A2	1
DC 3 wire 10-55v NPN N.C.	M3S1-M1202N-C3A2	2	M3S2-M1204N-C3A2	2
DC 3 wire 10-55v PNP N.O.	M3S1-M1202P-O3A2	3	M3S2-M1204P-O3A2	3
DC 3 wire 10-55v PNP N.C.	M3S1-M1202P-C3A2	4	M3S2-M1204P-C3A2	4
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)	4φ 3x0.15		4φ 3x0.15	
Weight	approx. 67 g		approx. 65 g	

Subject to modifications without notice

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