



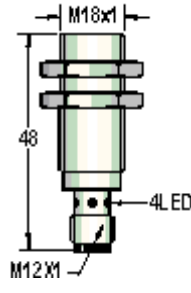
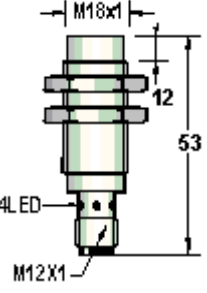


# DC METAL FACE INDUCTIVE PROXIMITY SWITCH (M18)

Diameter	M18		M18	
Shielded/non-Shielded	Shielded		Non-Shielded	
Switching Distance Sn mm	5 mm		8 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	1KHZ		500HZ	
Response Time	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 - +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-M1805N-OES4	31	M1S2-M1808N-OES4	31
DC 3 wire 10-30V NPN N.C.	M1S1-M1805N-CES4	32	M1S2-M1808N-CES4	32
DC 3 wire 10-30V PNP N.O.	M1S1-M1805P-OES4	33	M1S2-M1808P-OES4	33
DC 3 wire 10-30V PNP N.C.	M1S1-M1805P-CES4	34	M1S2-M1808P-CES4	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.	M4S1-M1805C-OES4	37	M4S2-M1808C-OES4	37
DC 2 wire 10-60V N.C.	M4S1-M1805C-CES4	38	M4S2-M1808C-CES4	38
DC 3 wire 10-55v NPN N.O.	M3S1-M1805N-OES4	31	MES4-M1808N-OES4	31
DC 3 wire 10-55v NPN N.C.	M3S1-M1805N-CES4	32	MES4-M1808N-CES4	32
DC 3 wire 10-55v PNP N.O.	M3S1-M1805P-OES4	33	MES4-M1808P-OES4	33
DC 3 wire 10-55v PNP N.C.	M3S1-M1805P-CES4	34	MES4-M1808P-CES4	34
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)	M12 Euro-style		M12 Euro-style	
Weight	approx.50 g		approx.50 g	

Subject to modifications without notice

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