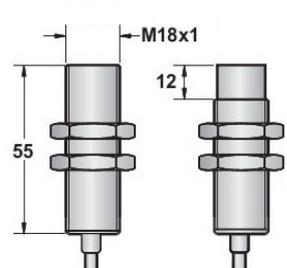
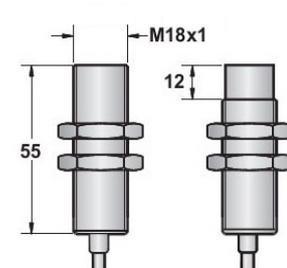


# DC HIGH TEMPERATURE INDUCTIVE PROXIMITY SWITCH(M18)

Diameter	M18		M18	
Shielded/non-Shielded	Shielded/ Non-Shielded		Shielded/ Non-Shielded	
Switching Distance Sn mm	5mm / 8mm		5mm / 8mm	
Housing Material	stainless steel		stainless steel	
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	150mA		150mA	
Leakge Current	<0.01mA		<0.01mA	
Voltage Drop	<1.5V		<1.5V	
Switching Frequency	400HZ / 300HZ		400HZ / 300HZ	
Response Time	0.2ms/0.2ms / 0.5ms/0.5ms		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 - +120 °C		-25 °C - +150 °C	
Temperature Drift	<10%(Sr)		<10%(Sr)	
Short Circuit Protection	YES		YES	
Overload Trip Point	170mA		170mA	
Material Active Face	PTFE		PTFE	
DC 3 wire 10-30V NPN N.O.	T1S1-M1805N-O3A2-120 ; T1S2-M1808N-O3A2-120	1	T1S1-M1805N-O3A2-150 ; T1S2-M1808N-O3A2-150	1
DC 3 wire 10-30V NPN N.C.	T1S1-M1805N-C3A2-120 ; T1S2-M1808N-C3A2-120	2	T1S1-M1805N-C3A2-150 ; T1S2-M1808N-C3A2-150	2
DC 3 wire 10-30V PNP N.O.	T1S1-M1805P-O3A2-120 ; T1S2-M1808P-O3A2-120	3	T1S1-M1805P-O3A2-150 ; T1S2-M1808P-O3A2-150	3
DC 3 wire 10-30V PNP N.C.	T1S1-M1805P-C3A2-120 ; T1S2-M1808P-C3A2-120	4	T1S1-M1805P-C3A2-150 ; T1S2-M1808P-C3A2-150	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 (PTFE)	5.8φ3x0.5		5.8φ3x0.5	
Weight	approx.300g		approx.300g	

Subject to modifications without notice

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