

DC CAPACITIVE PROXIMITY SWITCH (M30)



Diameter	M30	M30			
Flushed/Unflushed	Flushed	Unflushed			
Switching Distance Sn mm	2-20mm adjustable	2-30mm adjustable			
Housing Material	PBT RESIN				
With LED/Without LED	With LED				
Picture					
Operating Voltage	10-30VDC				
Ripple	<10%				
No Load Current	<10mA				
Max. Load Current	200mA				
Leakge Current	<0.01mA				
Voltage Drop	<2.0V				
Switching Frequency	100HZ				
Response Time	1.5ms/1.5ms				
Switching Hysteresis	<15%(Sr)				
Repeat Accuracy	<5%(Sr)				
Protection Category	IP67				
Operating Temperature	-25 °C - +70 C				
Temperature Drift	<10%(Sr)				
Short Circuit Protection	YES				
Overload Trip Point	220mA				
Material Active Face	PBT				
DC 3 wire 10-30V NPN N.O.	CPU3020-N	CPU3030-N	wiring diagram	1	
DC 3 wire 10-30V NPN N.C.	CPU3020-N2	CPU3030-N2		2	
DC 3 wire 10-30V PNP N.O.	CPU3020-P	CPU3030-P		3	
DC 3 wire 10-30V PNP N.C.	CPU3020-P2	CPU3030-P2		4	
DC 4 wire 10-30V Changeover PNP (N.O. & N.C.)	CPU3020-P3	CPU3030-P3		6	
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)	CPU3020-N3	CPU3030-N3		5	
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.)	-	-			
Dimensions (unit: mm)					
Connection	Cable 2M (PVC) 5.8φ 3x0.5 or 5.8φ 4x0.5				
Weight	Approx.187 g				