

DC INDUCTIVE PROXIMITY SWITCH (M18)



Diameter	M18	M18		
Flushed/Unflushed	Flushed	Unflushed		
Switching Distance Sn mm	8mm	16mm		
Housing Material	Nickel plated brass			
With LED/Without LED	With LED			
Picture				
Operating Voltage	10-30VDC / 10-60VDC			
Ripple	<10%			
No Load Current	<10mA			
Max. Load Current	200mA			
Leakge Current	<0.01mA			
Voltage Drop	<2.0V			
Switching Frequency	500HZ	150HZ		
Response Time	0.5ms/0.5ms	1ms/1ms		
Switching Hysteresis	<15%(Sr)			
Repeat Accuracy	<1.0%(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.	IPF1808-N	IPU1816-N	wiring diagram	1
DC 3 wire 10-30V NPN N.C.	IPF1808-N2	IPU1816-N2		2
DC 3 wire 10-30V PNP N.O.	IPF1808-P	IPU1816-P		3
DC 3 wire 10-30V PNP N.C.	IPF1808-P2	IPU1816-P2		4
DC 4 wire 10-30V Changeover PNP (N.O. & N.C.)	IPF1808-P3	IPU1816-P3		6
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)	IPF1808-N3	IPU1816-N3		5
DC 2 wire 10-60V N.O.	IPF1808-D	IPU1816-D		7
DC 2 wire 10-60V N.C.	IPF1808-D2	IPU1816-D2		8
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) 4φ 2x0.15 or 4φ 3x0.15 or 4φ 4x0.15			
Weight	Approx.67 g	Approx.65 g		