

WATERTIGHT LIMIT SWITCHES

COMMERCIAL, SEALED LIMIT SWITCH

The P6-4 series switches are commercial grade limit switches that are watertight and completely sealed to IP68S and IP69K. They are designed to be operated in extreme temperature ranges and with their stainless steel housing, are for use in the most rugged, harsh environments. These switches are available with either a ball or roller plunger actuation method. In addition, these switches can be configured as single pole and double pole plus single throw and double throw. The P6-4 offers three connection methods, solder or screw terminal plus flying wire leads.



Ball Plunger Actuator Style



Roller Plunger Actuator Style

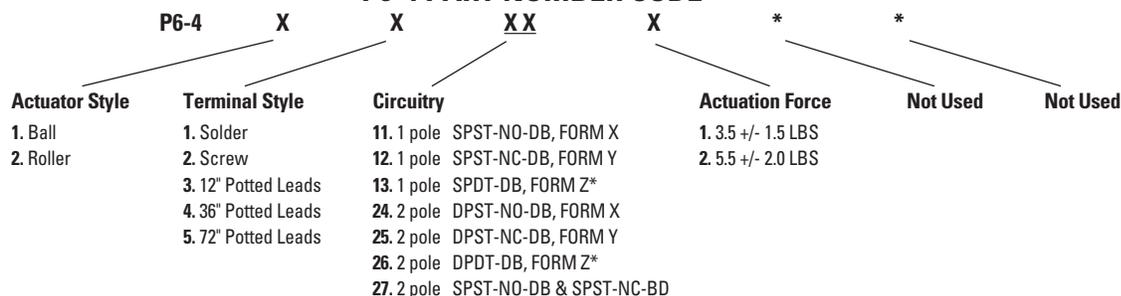
Features:

- Sealed watertight to IP68S and IP69K
- One-piece Stainless Steel housing
- Built to withstand extreme temperatures
- Choice of ball or roller plunger
- Three connection method options

POTTED LEADS IDENTIFICATION	
SPST-NO-DB, FORM X	2 WHITE WIRE (NO POLE-1)
SPST-NC-DB, FORM Y	2 BLACK WIRE (NC POLE-1)
SPDT-DB, FORM Z	2 WHITE WIRE (NO POLE-1) 2 BLACK WIRE (NC POLE-1)
DPST-NO-DB, FORM X	2 WHITE WIRE (NO POLE-1) 2 RED WIRE (NO POLE-2)
DPST-NC-DB, FORM Y	2 BLACK WIRE (NC POLE-1) 2 YELLOW WIRE (NC POLE-2)
DPDT-DB, FORM Z	2 WHITE WIRE (NO POLE-1) 2 BLACK WIRE (NC POLE-1) 2 RED WIRE (NO POLE-2) 2 YELLOW WIRE (NC POLE-2)
SPST-NO-DB & SPST-NC-DB	2 WHITE WIRE (NO POLE-1) 2 YELLOW WIRE (NO POLE-2)

Standard Characteristics/Ratings:			
ELECTRICAL RATINGS:			
Load	Sea Level @ 28VDC	Sea Level 115VAC, 60Hz	Cycles
Standard Resistive	4A	4A	50,000
Standard Inductive	2A	2A	50,000
Logic Level Resistive	10mA @ 5VDC	NA	100,000
DWV	1000Vrms		
MECHANICAL:			
Pretravel:	0.055 max		
Actuating Force:	3.5 +/- 1.5 lbs or 5.5 +/- 2.0 lbs		
Overtravel:	0.125		
Full Overtravel Force:	17.0 lb. max		
Releasing Force:	1.0 lb. min		
Mechanical Life:	100,000 cycles		
ENVIRONMENTAL:			
Temperature Range:	-55°C to 105°C		
MATERIALS:			
Actuator:	Stainless steel		
Case:	Stainless steel (303)		
Seal:	IP68S and IP69K		
Mounting Hardware:	Hex nut and lockwasher		
Terminal Hardware:	Screw and lockwasher (only with screw terminal switches)		

P6-4 PART NUMBER CODE



* Options not available for Screw Terminal Style (2)

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