## **Mechanical Switch**





## **FEATURES**

- Measuring ranges from 3 psig to 30 psig through 450 psig to 4600 psig
- Field adjustable switching point
- Diaphragm or piston type sensing element
- Micro-switch technology
- Hirschmann electrical connection

## **APPLICATIONS**

- Hydraulic systems
- Industrial machinery and machine tools
- Stamping and forming presses
- Pumps and compressors

## SERIES 300

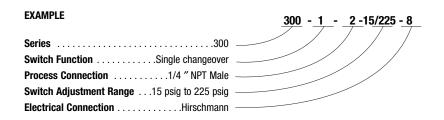
The NOSHOK 300 Series Mechanical Pressure Switch is constructed with a rugged zinc plated steel housing and process connection, and provides adjustable hysteresis (10-30% of switch point). Utilizing a proven diaphragm or piston type sensing technology, it provides excellent reliability, repeatability, and affordability for use in many applications. The micro switch contacts are silver plated for extended service life and exceptional dependability. Switching functions are field adjustable, while under pressure, and it features an SPDT single changeover contact configuration.

	SPECIFICATIONS				
Adjustment Ranges	3 psig to 30 psig through 450 psig to 4600 psig				
Measuring Element	NBR diaphragm < 225 psig; Steel piston with NBR seal > 225 psig				
Media	Diaphragm type, compressed air or not corrosive liquids Piston type, self lubricating fluids such as hydraulic oil or grease				
Process Connection	1/4 " NPT standard, others available on request				
Connection Material	Zinc plated steel, optional stainless steel or brass				
Case	Zinc plated steel				
Switching Function	SPDT, micro switch with silver plated contacts, gold plated contacts available on request				
Maximum Working Pressure	Diaphragm Type: 870 psi; Piston Type: 5000 psi				
Hysteresis	Adjustable, 10-30% depending on switch point				
Repeatability	±2% of full scale adjustment range				
Contact Rating	up to 28 VDC 2A				
	up to 125 VAC 4A				
	up to 250 VAC 4 A				
Switch Frequency	Max. 100 cycles/min				
Durability	>1,000,000 cycles				
Temperature Ranges	Storage -4° F to 176° F (-20° C to 80° C	C)			
	Media -4° F to 176° F (-20° C to 80° C	c)			
	Ambient -4° F to 176° F (-20° C to 80° C	C)			
Electrical Connection	Hirschmann (DIN EN 175301-803)				
Environmental Protection	NEMA 4:IP65				
Weight	Approximately 0.2 lbs				

Special Note: RoHS compliant

ORDERING INFORMATION							
SERIES	300						
SWITCH FUNCTION	1 Single Changeover contact, SPDT						
PROCESS CONNECTIONS	2 1/4 " NPT Male						
SWITCH ADJUSTMENT	3 psig to 30 psig (870 psig)	3/30	150 psig to 1700 psig (5000 psig)	150/1700			
RANGE (MAXIMUM WORK	7 psig to 115 psig (870 psig)	7/115	150 psig to 2300 psig (5000 psig)	150/2300			
PRESSURE)	15 psig to 225 psig (870 psig)	15/225	300 psig to 2900 psig (5000 psig)	300/2900			
	150 psig to 425 psig (5000 psig)	150/425	300 psig to 3600 psig (5000 psig)	300/3600			
	150 psig to 1150 psig (5000 psig)	150/1150	450 psig to 4600 psig (5000 psig)	450/4600			
ELECTRICAL CONNECTIONS	1 36 " Cable (connected to option 8	8 Hirscl	hmann (DIN EN 175301-803 Form A)				

Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.



Additional Ordering Information Switch Set Point(s) (please specify)

