

Mechanical Compact SPDT Switch with Adjustable Hysteresis



300 SERIES

- Ranges available from 3 psig to 30 psig through 450 psig to 4,600 psig
- Rugged zinc-plated steel housing and process connection
- Proven diaphragm or piston type sensing technology provides excellent reliability, repeatability, and affordability
- Micro switch contacts are silver plated for extended service life and exceptional dependability
- Switching functions are field adjustable while under pressure
- SPDT single changeover contact configuration
- Hirschmann electrical connection
- RoHS compliant

FEATURES

- Measuring ranges from 3 psig to 30 psig through 450 psig to 4,600 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

SPECIFICATIONS

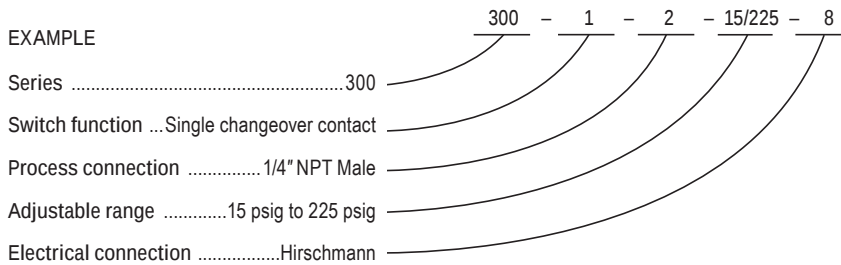
Adjustment ranges	3 psig to 30 psig through 450 psig to 4,600 psig	
Measuring element	NBR diaphragm < 225 psig; Steel piston with NBR seal > 225 psig	
Media	Diaphragm type, compressed air or not corrosive liquids Piston type, self lubricating fluids such as hydraulic oil or grease	
Process connection	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: 5,000 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	4A
Switch frequency	Max. 100 cycles/min	
Durability	>1,000,000 cycles	
Temperature ranges	Storage	-4 °F to 176 °F (-20 °C to 80 °C)
	Media	-4 °F to 176 °F (-20 °C to 80 °C)
	Ambient	-4 °F to 176 °F (-20 °C to 80 °C)
Electrical connection	Hirschmann (DIN EN 175301-803)	
Environmental protection	NEMA 4:IP65	
Weight	Approximately 0.2 lb.	

Special Note: RoHS compliant

ORDERING INFORMATION					
SERIES	300				
SWITCH FUNCTION	1	Single changeover contact, SPDT			
PROCESS CONNECTION	2	1/4" NPT Male			
ADJUSTABLE RANGES (Max. working pressure)	3/30	3 psig to 30 psig (870 psig)		150/1700	150 psig to 1,700 psig (5,000 psig)
	7/115	7 psig to 115 psig (870 psig)		150/2300	150 psig to 2,300 psig (5,000 psig)
	15/225	15 psig to 225 psig (870 psig)		300/2900	300 psig to 2,900 psig (5,000 psig)
	150/425	150 psig to 425 psig (5,000 psig)		300/3600	300 psig to 3,600 psig (5,000 psig)
	150/1150	150 psig to 1,150 psig (5,000 psig)		450/4600	450 psig to 4,600 psig (5,000 psig)
ELECTRICAL CONNECTIONS	1	36" Cable (connected to option 8)		8	Hirschmann (DIN EN 175301-803 form A)

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

EXAMPLE



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

Outline Dimensions



Switching Output Schematic

