

Mechanical Compact SPDT with Adjustable Hysteresis



300 SERIES

- Switch adjustment ranges from 3 psig to 30 psig through 450 psig to 4,600 psig
- Standard zinc-plated Steel with NBR diaphragm (< 225 psig); Steel piston with NBR seal (> 225 psig) wetted parts
- SPDT single changeover contact configuration
- RoHS compliant

APPLICATIONS

- Hydraulics & pneumatics
- Pumps & compressors
- Tank monitoring
- Leak detection
- Water management

SPECIFICATIONS

Switching parameters	
Number	1
Function	SPDT, micro switch
Contact rating	Up to 28 Vdc 2A Up to 125 Vac 4A Up to 250 Vac 4A
Non-repeatability	±2% of full scale adjustment range
Contact material	Silver-plated
Frequency	Max. 100 cycles/min
Media	Diaphragm type, compressed air or not corrosive liquids Piston type, self lubricating fluids such as hydraulic oil or grease
Pressure ranges	3 psig to 30 psig through 450 psig to 4,600 psig Diaphragm type: 870 psi max.; Piston type: 5,000 psi max.
Switch adjustment	
Switch point	Full scale
Hysteresis	Adjustable, see charts below
Service life	>1,000,000 load cycles
Temperature ranges	Media -4 °F to 176 °F (-20 °C to 80 °C) Ambient -4 °F to 176 °F (-20 °C to 80 °C) Storage -4 °F to 176 °F (-20 °C to 80 °C)
Proof pressure	870 psig or 5,000 psig depending on adjustment range
Measuring element	NBR diaphragm < 225 psig; Steel piston with NBR seal > 225 psig 1/4" NPT zinc-plated Steel standard connection, others available on request
Housing material	Zinc-plated Steel
Environmental rating	IP65
Weight	Approximately 0.2 lb.



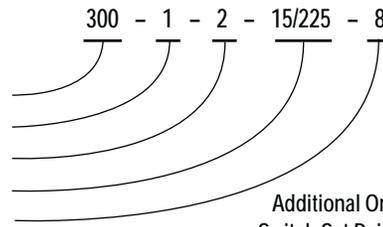
ORDERING INFORMATION			
SERIES	300		
SWITCH FUNCTION	1 Single changeover contact, SPDT		
PROCESS CONNECTION	2 1/4" NPT male		
SWITCH ADJUSTMENT RANGES <i>(Max. working pressure)</i>	3/30 3 psig to 30 psig (870 psig)	150/1700 150 psig to 1,700 psig (5,000 psig)	
	7/115 7 psig to 115 psig (870 psig)	150/2300 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

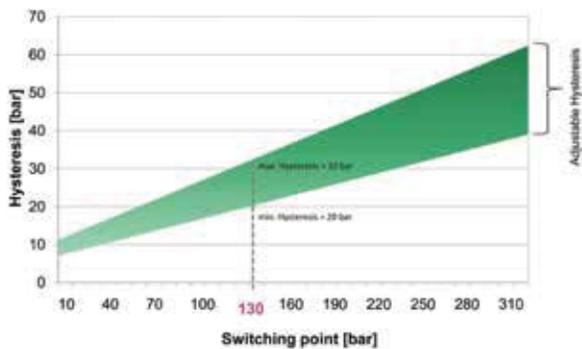
Series 300 Series
 Switch function..... Single changeover contact
 Process connection 1/4" NPT Male
 Adjustable range 15 psig to 225 psig
 Electrical connection Hirschmann

300 - 1 - 2 - 15/225 - 8

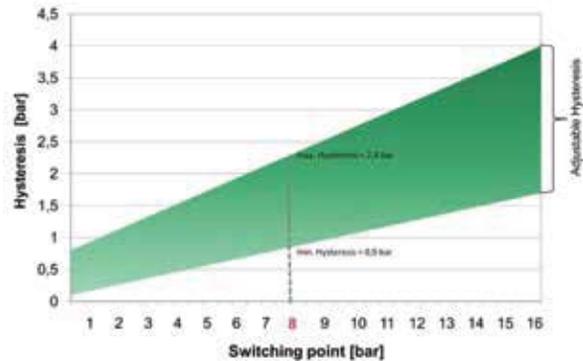


Additional Ordering Information
Switch Set Point(s) (please specify)

Adjustable Hysteresis (piston type)



Adjustable Hysteresis (membrane type)



Switching Output Schematic

