

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 snap-action micro switch
- RoHS compliant

APPLICATIONS

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

SPECIFICATIONS

| | |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Switching parameters | |
| Number | 1 |
| Function | SPDT snap-action 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 | Solid Silver, self-cleaning |
| 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-nickel plated Steel |
| Environmental rating | IP65 |
| Weight | Approximately 0.2 lb. |

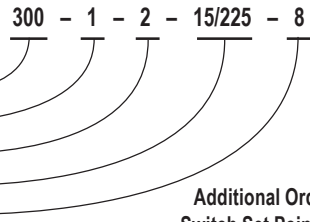


| ORDERING INFORMATION | | | |
|-----------------------------------------------------|----------------------------------------------|----------------------------------------------|--|
| SERIES | 300 | | |
| SWITCH FUNCTION | 1 Single changeover contact, SPDT | | |
| PROCESS CONNECTION | 2 1/4" NPT male | | |
| SWITCH ADJUSTMENT RANGES (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.

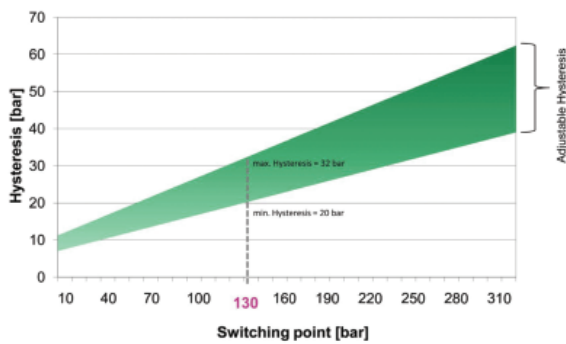
EXAMPLE

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

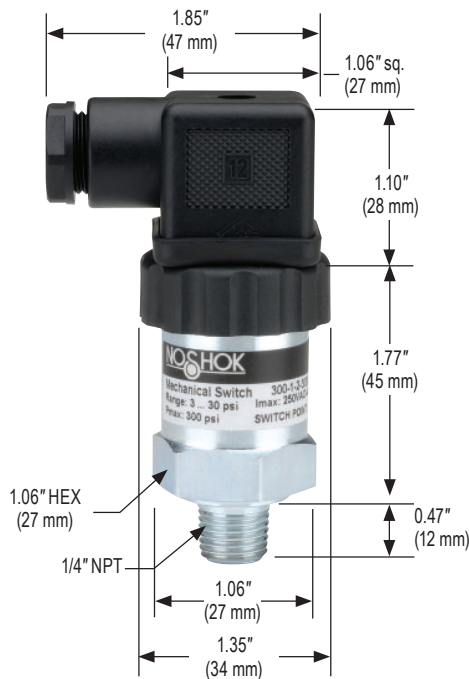
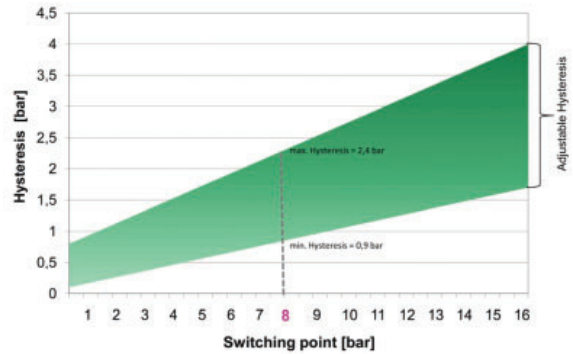


Additional Ordering Information
 Switch Set Point(s) (please specify)

Adjustable Hysteresis (piston type)



Adjustable Hysteresis (membrane type)



Switching Output Schematic

