



300 SERIES

- Switch adjustment ranges from vacuum through 4,600 psig depending on model
- Standard Zinc-nickel with NBR diaphragm wetted parts
- SPST or SPDT snap-action switch with solid Silver contacts
- CE compliant to suppress RFI, EMI and ESD
- RoHS compliant

APPLICATIONS

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

SPECIFICATIONS

Switching parameters

Function	SPST or SPDT
Contact rating	6A @ 125/250 Vac 6A @ 12/24 Vdc
Repeatability	2% of full set point range at 70 °F
Hysteresis	Adjustable, see charts below
Contact material	Solid Silver, self-cleaning
Frequency	Max. 100 cycles/min

Switch type Snap action with adjustable hysteresis

Pressure ranges -5 inHg to -28 inHg (350 psig) through 450 psig to 4,600 psig (5,000 psig)

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

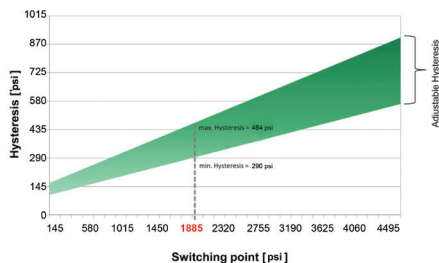
Measuring element NBR

Housing material Zinc-nickel plated Steel

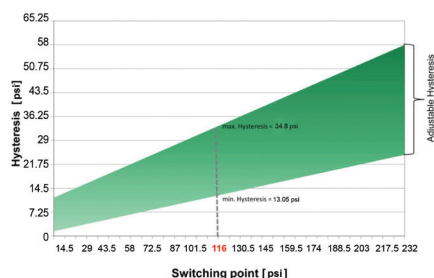
Environmental rating
IP65 - DIN EN 175301-803 Form A
IP67 - All others

Weight Approximately 0.2 lb.

Adjustable Hysteresis (piston type)



Adjustable Hysteresis (membrane type)



WARNING: This product can expose you to chemicals including Lead and Nickel, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

ORDERING INFORMATION					
SERIES	300V	300 Vacuum Series		300H	300 High Pressure Series
	300L	300 Low Pressure Series			
SWITCH FUNCTIONS	1	SPST, Normally open		3	SPDT
	2	SPST, Normally closed			
PROCESS CONNECTIONS	1	1/8" NPT male		33	G 1/8B
	2	1/4" NPT male		45	7/16-20 SAE Male, Non-Adjustable
	10	G 1/4B			
300V VACUUM PRESSURE SWITCH					
ADJUSTMENT RANGES	5/28-vac	-5 inHg to -28 inHg (350 psig)			
(Max. working pressure)					
300L LOW PRESSURE SWITCH					
ADJUSTMENT RANGES	3/7	3 psig to 7 psig (870 psig)		7/120	7 psig to 120 psig (870 psig)
(Max. working pressure)	3/15	3 psig to 15 psig (870 psig)		15/200	15 psig to 200 psig (870 psig)
	3/30	3 psig to 30 psig (870 psig)		15/230	15 psig to 230 psig (870 psig)
	7/70	7 psig to 70 psig (870 psig)		30/290	30 psig to 290 psig (870 psig)
300H HIGH PRESSURE SWITCH					
ADJUSTMENT RANGES	100/220	100 psig to 220 psig (5,000 psig)		300/2900	300 psig to 2,900 psig (5,000 psig)
(Max. working pressure)	145/435	145 psig to 435 psig (5,000 psig)		300/3600	300 psig to 3,600 psig (5,000 psig)
	145/1160	145 psig to 1,160 psig (5,000 psig)		450/4600	450 psig to 4,600 psig (5,000 psig)
	145/1750	145 psig to 1,750 psig (5,000 psig)			
ELECTRICAL CONNECTIONS†					
	1	36" Cable attached to option 8		100	Deutsch 2-Pin Male (DT04-2P)*, **
	8	DIN EN 175301-803 Form A		101	Deutsch 3-Pin Male (DT04-3P)*
	25	M12 x 1 4-Pin		103	Deutsch 2-Pin Female Socket (DT06-2S)*, **
	36	3' Integral Cable		104	Deutsch 3-Pin Female Socket (DT06-3S)*
	66	Deutsch Integral 2-Pin (DT04-2P)**		110	Weatherpack Tower, 3-Pin Female*
	96	Weatherpack Tower, 2-Pin Female*, **		111	Weatherpack Tower, 3-Pin Male*
	97	Weatherpack Tower, 2-Pin Male*, **		112	Weatherpack Shroud, 3-Pin Female*
	98	Weatherpack Shroud, 2-Pin Female*, **		113	Weatherpack Shroud, 3-Pin Male*
	99	Weatherpack Shroud, 2-Pin Male*, **			
OPTIONS***					
	EP	EPDM Diaphragm (-40/212 °F)		SS	Stainless Steel Wetted Materials
	HNBR	Low Temp Nitrile Diaphragm (-40/176 °F)		VT	FKM Diaphragm (0/250 °F)
	SP	Factory Adjusted Switch Point			

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

* Options attached to 18" cable

** For SPST only

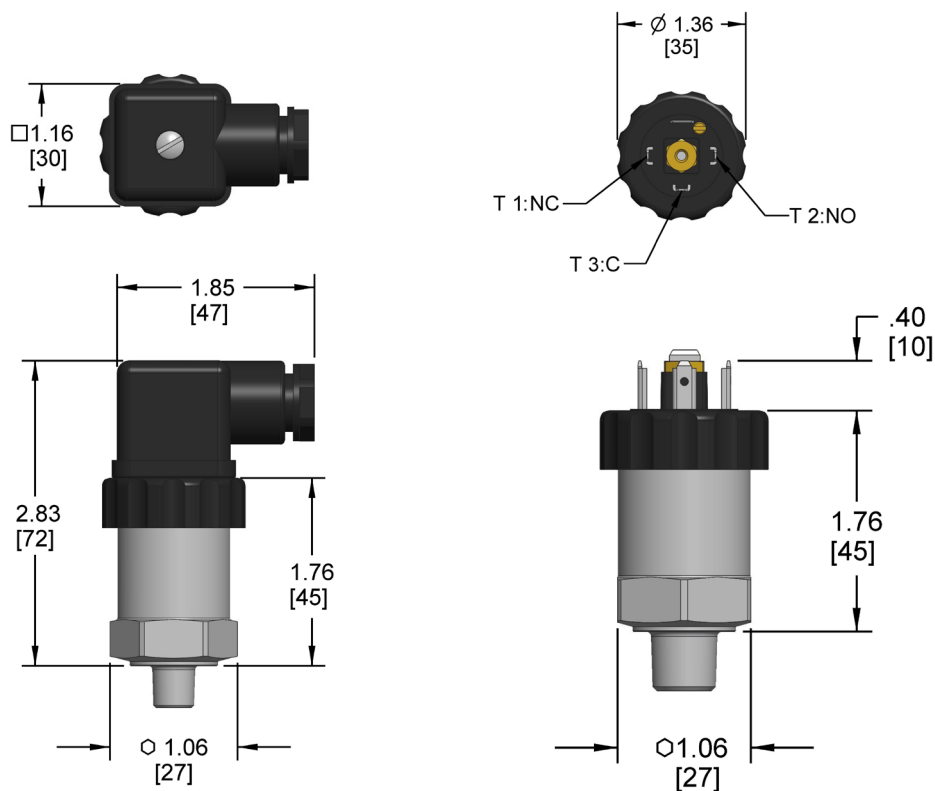
*** Not all options are available for all ranges, consult factory

† Other electrical connections available, consult the factory

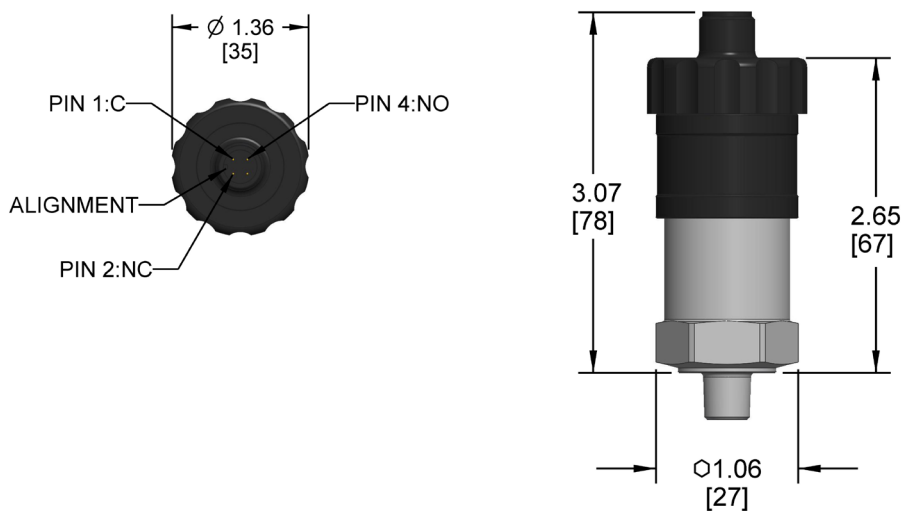
EXAMPLE

	300V	-	1	-	2	-	5/28-vac	-	25	-	EP
Series	300 Vacuum Series										
Switch function.....	SPST, Normally open										
Process connection	1/4" NPT Male										
Adjustable range	-5 inHg to -28 inHg (350 psig)										
Electrical connection	M12 x 1 4-Pin										
Option.....	EPDM Diaphragm (-10/250 °F)										

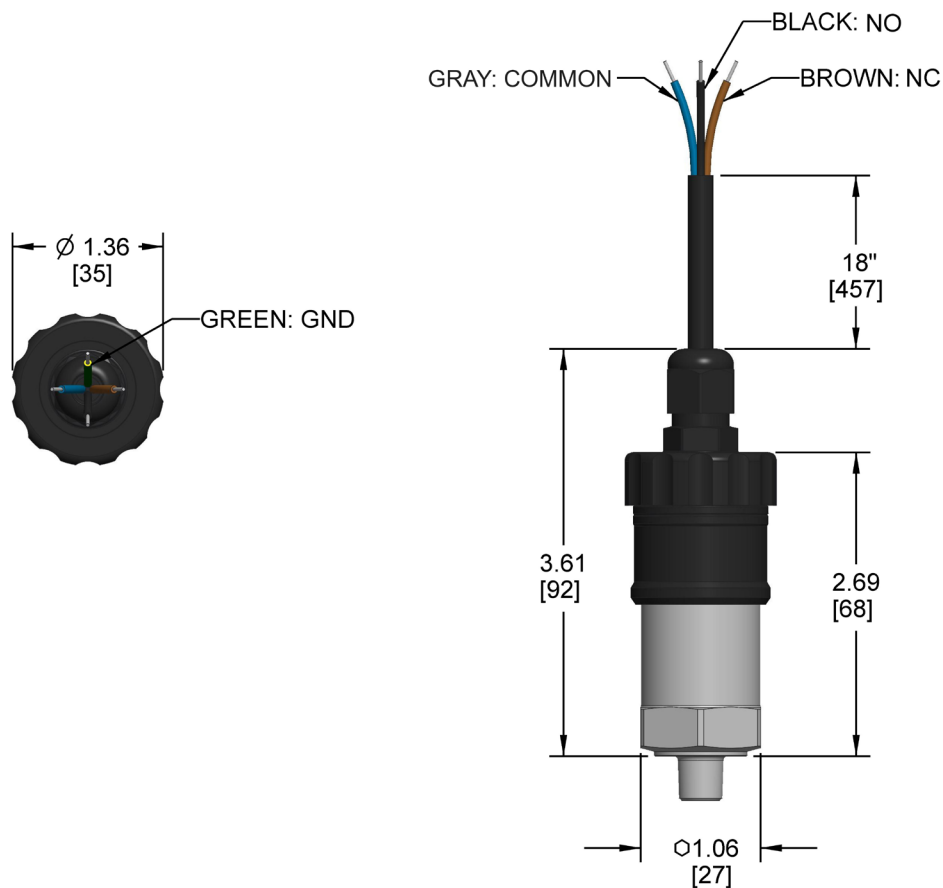
DIN EN 175301-803 Form A



M12 x 1 4-Pin



300H 3' Integral Cable



300H Deutsch Integral 2-Pin (DT04-2P)

