Mechanical Compact SPDT



200 SERIES

- Switch adjustment ranges from 3 psig to 30 psig through 435 psig to 4,640 psig depending on model
- Standard Zinc-nickel with NBR diaphragm wetted parts;
  Membrane type - NBR diaphragm
  Piston type - PTFE dynamic seal with NBR static o-ring
- SPST or SPDT snap-action switch with solid Silver contacts

APPLICATIONS

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

SPECIFICATIONS	
Switching parameters	
Function	SPST or SPDT
Contact rating*	5A @ 125/250 Vac 5A @ 12/24 Vdc
Repeatability	Max. ±2% of Full Scale at room temperature
Hysteresis	2 psi + 5 - 10% of set point
Contact material	Solid Silver, self-cleaning, optional gold-plated
Frequency	Max. 100 cycles/min
Switch type	Snap action
Pressure ranges	3 psig to 30 psig through 435 psig to 4,640 psig
Service life	200L: >9,000,000 load cycles 200M: >2,000,000 load cycles 200H: >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 to 5,800 psig depending on model See Ordering Information for details
Measuring element	Membrane type - NBR diaphragm Piston type - PTFE dynamic seal with NBR static o-ring
Housing material	Zinc-nickel plated Steel, optional Stainless Steel
Environmental rating	IP00 - Spade Terminals IP65 - DIN EN 175301-803 Form A, M12, Cable & Deutsch Integral, Field adjustable IP67 - M12, Cable & Deutsch Integral, Fixed set point
Weight	Approximately 0.2 lb.

* Gold contacts may be required for less than 5 VDC and 5 milliamps

⚠ **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

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ORDERING INFORMATION

SERIES	**200L**	200 Low Pressure Membrane Series	**200M**	200 High Pressure Membrane Series
	200H	200 High Pressure Piston Series		
SWITCH FUNCTIONS	**1**	SPST, Normally open	**3**	SPDT
	2	SPST, Normally closed		
PROCESS CONNECTIONS	**1**	1/8" NPT male	**45**	7/16-20 SAE Male, Non-Adjustable
	2	1/4" NPT male	**62**	G 1/4 Male ISO 228-1
	33	G 1/8 Male ISO 228-1		
200L LOW PRESSURE MEMBRANE SWITCH ADJUSTMENT RANGES (Max. working pressure)	**3/30**	3 psig to 30 psig (870 psig)	**15/145**	15 psig to 145 psig (870 psig)
	7/75	7 psig to 75 psig (870 psig)	**15/235**	15 psig to 235 psig (870 psig)
	7/116	7 psig to 116 psig (870 psig)	**45/300**	45 psig to 300 psig (870 psig)
200M HIGH PRESSURE MEMBRANE SWITCH ADJUSTMENT RANGES (Max. working pressure)	**15/50**	15 psig to 50 psig (3,000 psig)		
	15/150	15 psig to 150 psig (3,000 psig)		
	45/300	45 psig to 300 psig (3,000 psig)		
200H HIGH PRESSURE PISTON SWITCH ADJUSTMENT RANGES (Max. working pressure)	**145/435**	145 psig to 435 psig (5,800 psig)	**290/2900**	290 psig to 2,900 psig (5,800 psig)
	145/1160	145 psig to 1,160 psig (5,800 psig)	**290/3625**	290 psig to 3,625 psig (5,800 psig)
	145/1740	145 psig to 1,740 psig (5,800 psig)	**435/4640**	435 psig to 4,640 psig (5,800 psig)
	4	Spade Terminals (1/4 x 1/32)	**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	18" Integral Cable	**104**	Deutsch 3-Pin Female Socket (DT06-3S)*
	46	Deutsch Integral 3-Pin (DT04-3P)	**110**	Weatherpack Tower, 3-Pin Female*
	66	Deutsch Integral 2-Pin (DT04-2P) **	**111**	Weatherpack Tower, 3-Pin Male*
	80	DIN EN 175301-803 Form A w/o mating connector	**112**	Weatherpack Shroud, 3-Pin Female*
	96	Weatherpack Tower, 2-Pin Female*,**	**113**	Weatherpack Shroud, 3-Pin Male*
	97	Weatherpack Tower, 2-Pin Male*,**		
	98	Weatherpack Shroud, 2-Pin Female*,**		
	99	Weatherpack Shroud, 2-Pin Male*,**		
OPTIONS* **	**AU**	Gold Plated Contacts	**SP**	Factory Adjusted Switch Point
	EP	EPDM Diaphragm (-40/212 °F)	**SS**	Stainless Steel Wetted Materials
	HNBR	Low Temp Nitrile Diaphragm (-22/176 °F)	**VT**	FKM Diaphragm (32/212 °F)
	FVMQ	Fluorosilicone Diaphragm (-40/212 °F)		

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

* Options attached to Integral Cable
** For SPST only
*** Not all options are available for all ranges, consult factory
† Other electrical connections available, consult factory

EXAMPLE

200L – 3 – 2 – 3/30 – 8

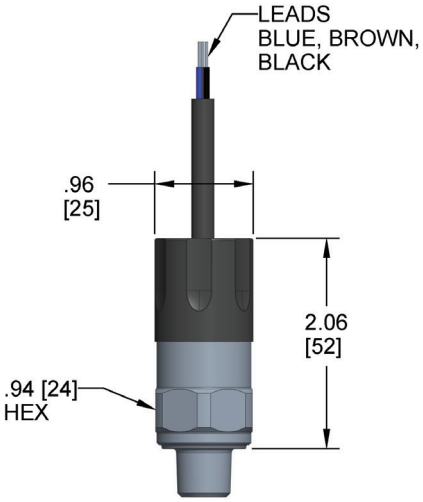
Series ..... 200 Low Pressure Membrane Switch
Switch function ..... SPDT
Process connection ..... 1/4" NPT Male
Adjustable range ..... 3 psig to 30 psig (870 psig)
Electrical connection ..... DIN EN 175301-803 Form A

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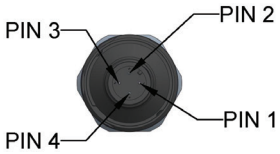
Dimensions

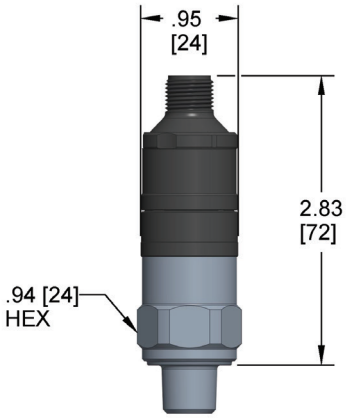
200-36 (Integral Cable)



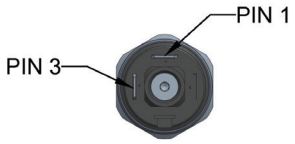


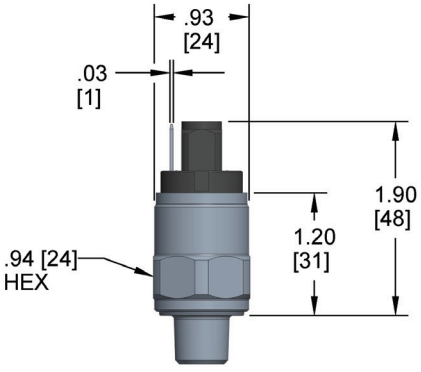
200-25 (M12 x 1 4-Pin)



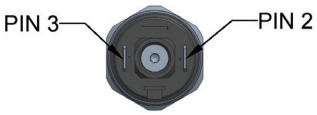


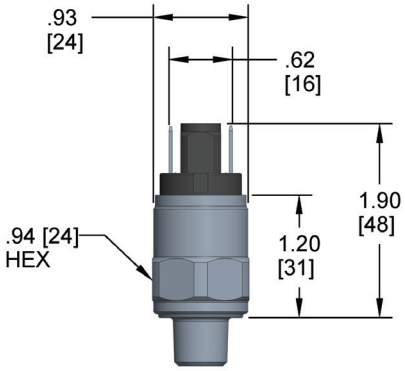
200-2-4 (Spade Terminals SPST, Normally Closed)



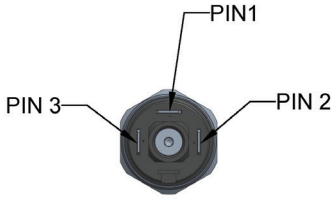


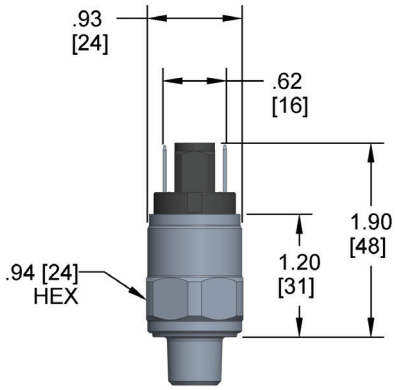
200-1-4 (Spade Terminals SPST, Normally Open)



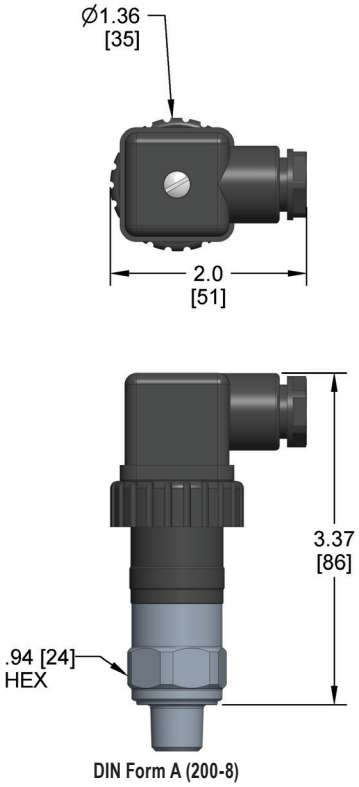


200-4 (Spade Terminals 3-Pin)

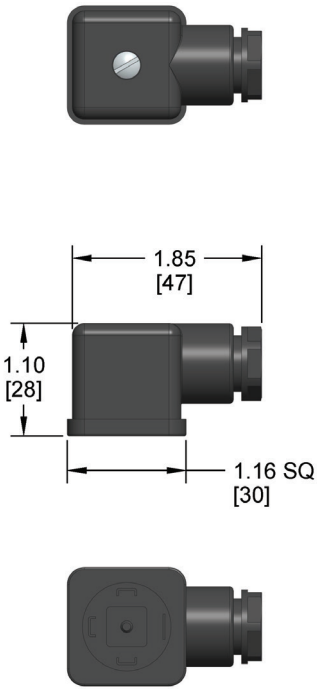




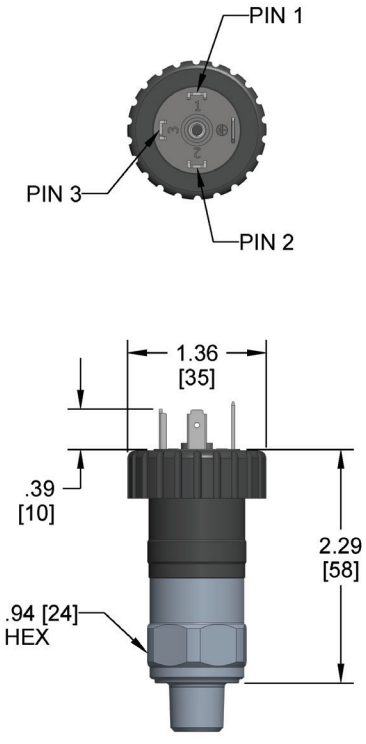
200 (DIN EN 175301-803 Form A)



DIN Form A (200-8)



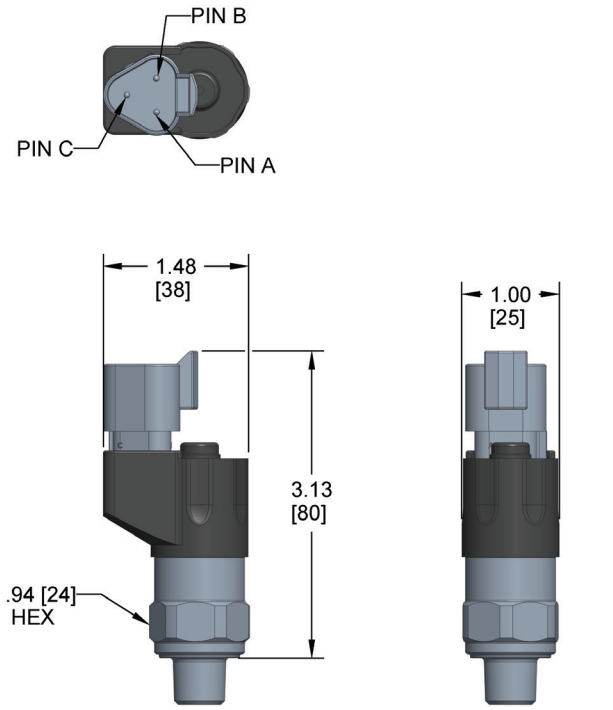
DIN Form A



DIN Form A w/o mating connector (200-80)

Dimensions

200-46 (Deutsch Integral 3-Pin - DT04-3P)



200-66 (Deutsch Integral 2-Pin - DT04-2P)

