

VACUUM SWITCH EXPLOSION PROOF TYPE

PS1000X

Explosion Proof Type
Protection: IP68

Proof Pressure to 1000 psi

Adjustable Range: -25 ~ -760 mmHg

Temperature: -5°C ~ +150°C

The New-Flow PS1000X, an explosion proof vacuum switch, is designed to be used in control systems. PS1000X has high set point repeatability and narrow dead band features. Easily adjusted to the set point, no special tools needed!

Technical data

Switch Data: one SPDT & two SPDT Microswitch, 15amps 125/250VAC, DC 125V 0.4A, DC 30V 3A, / Gold Contact Microswitch 1A 125/250VAC, / Hermetically Sealed Switch 5A/250VAC

Housing: die cast aluminum alloy with paint, and SS316 available

Conduit Connection: Female 3/4", 1/2" NPT, M20 x P1.5 available

Pressure Element: Diaphragm

Process Material: Wetted parts- SS316; O-ring- Viton

Process Connection: Female 1/2" or 1/4" NPT, BSP, PT, M20 x P1.5 thread available

Repeatability: ±1% of full scale

Range Table

Code	Adjustable Range	Dead Band	Maximum Pressure Proof
1R	-25 ~ -760 mmHg	10~20 mmHg	1000 psi

Ordering Information

PS1000X	Code	Range
	1R	-25 ~ -760 mmHg
		Code Wetted Parts Material
	A	SS316
		Code Process Connection- Female
		(1) 1/2" NPT (2) 1/4" NPT (3) 1/2" BSP (4) 1/4" BSP (5) 1/2" PT (6) 1/4" PT (7) M20 x P1.5
		Code Conduit Connection
		(E) 3/4" NPT Female, standard (F) 1/2" NPT Female (G) M20 x P1.5 Female
		Code Switch Form
	1	Micro Switch, 1 SPDT
	2	Micro Switch, 2 SPDT (one setting point)
	3a	Gold Contact, 1 SPDT
	3b	Gold Contact, 2 SPDT (one setting point)
	4a	Hermetically Switch, 1 SPDT
	4b	Hermetically Switch, 2 SPDT (one setting point)
		Code Explosion Proof Type / Housing Material
	A	Certificate on Housing Only (FM Approval) / Aluminum alloy: Class I, Groups A, B, C & D; Class II, Groups E, F & G; Class III; NEMA 4X
	B / B1	Taiwan Explosion Proof Certification / (B) Aluminum alloy (B1) SS316: Ex d IIB + H2 T6 Gb
	E	International IECEx Certification / Aluminum alloy: Ex db IIB + H2 T6 Gb; Ex tb IIIC T85°C Db
	X	Europe Union ATEX Certification / Aluminum alloy: II 2 G D Ex db IIB + H2 T6 Gb; II 2 G D Ex tb IIIC T85°C Db
	J	Japan Explosion Proof Certification / Aluminum alloy: Ex d IIB + H2 T6 Gb; Ex t IIIC T85°C Db
	R	Russia EACEx Certification / Aluminum alloy: 1Ex d IIB + H2 T6 Gb X; Ex tb IIIC T85°C Db
	U	UL Certification / Aluminum alloy: Class I, Groups A, B, C & D; Class II, Groups E, F & G

Approvals:

TD0400TJ
工電(2012)第00320號
(ITR1)2017第07-00075號

Switches with UL & CSA Recognized and File No. E12252.

JAPAN EX-Certificate
CML 17JPN1016X
CML 17JPN3024



Patent No.

M295332
M334932
China: 920135

Dimensions

