

Approvals:



# PRESSURE SWITCH EXPLOSION PROOF TYPE PSA2000X

**Explosion Proof Type / Protection: IP68**  
**Proof Pressure to 3000psi**  
**Adjustable Ranges: 10~1300psi / Dead Band: Adjustable**  
**Temperature: -30 to 205°C**

The New-Flow PSA2000X, an explosion proof pressure switch, is designed to be used in control systems. PSA2000X has high set point repeatability and adjustable dead band features. There are a variety of range selections available upon request. Easily adjusted to the set point, and no special tools needed!

**Patent No.**

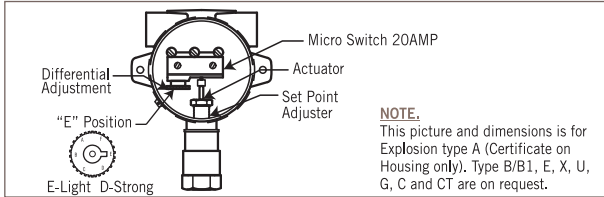
M295332  
 M334932  
 China: 920135

**Technical Data**

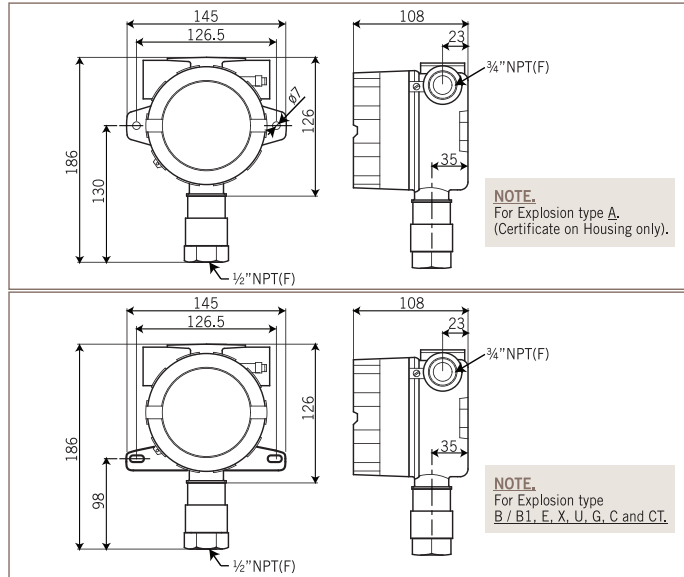
**Switch Data:** 20Amp @125, 250 or 480VAC; 5Amp, DC125V  
**Housing:** die cast aluminum alloy with paint, and SS316 available  
**Conduit Connection:** Female 3/4", 1/2"NPT, M20 x P1.5 available  
**Pressure Element:** welded type diaphragm  
**Process Material:** wetted parts all in SS316/SS316L  
**Process Connection:** Female 1/2" or 1/4" NPT, BSP, PT and M20xP1.5 thread available

**Range Selection Table**

Code	Pressure Range	Adjustable Dead Band at "E" Position	Maximum Pressure Proof
10R	10~100 psi	10~25	3000 psi
20R	35~200 psi	12~30	3000 psi
30R	50~300 psi	28~50	3000 psi
60R	100~600 psi	28~60	3000 psi
130R	200~1300 psi	42~100	3000 psi



**Dimensions-mm**



**Ordering Information**

PSA2000X	Code	Range
	(10R) 10~100 psi (20R) 35~200 psi (30R) 50~300 psi (60R) 100~600 psi (130R) 200~1300 psi	
	<b>Code</b>	<b>Wetted Parts Material</b>
	A	SS316 / SS316L
	<b>Code</b>	<b>Process Connection- Female</b>
	(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	
	<b>Code</b>	<b>Conduit Connection</b>
	(E) 3/4"NPT Female (F) 1/2"NPT Female, standard (G) M20 x P1.5 Female	
	<b>Code</b>	<b>Switch Form</b>
	1	Micro Switch, 1 SPDT
	<b>Code</b>	<b>Explosion Proof Type / Housing Material</b>
	A	<b>Certificate on Housing Only (FM Approval) / Aluminum alloy:</b> Class I, Groups A, B, C & D; Class II, Groups E, F & G; Class III; NEMA 4X
	B / B1	<b>Taiwan Explosion Proof Certification / (B) Aluminum alloy (B1) SS316:</b> Ex d IIB + H2 T6 Gb
	E	<b>International IECEx Certification / Aluminum alloy:</b> Ex db IIB + H2 T6 Gb; Ex tb IIIC T85°C Db
	X	<b>Europe Union ATEX Certification / Aluminum alloy:</b> II 2 G D Ex db IIB + H2 T6 Gb Ex tb IIIC T85°C Db
	U	<b>UL Certification / Aluminum alloy:</b> Class I, Division 1, Groups A, B, C & D; Class II, Division 1, Groups E, F & G
	G	<b>China Explosion Proof Certification / Aluminum alloy:</b> Ex d IIB + H2 T6 Gb; Ex tD A21 IP6X T85°C
	C	<b>International IECEx Certification &amp; Europe Union ATEX Certification / Aluminum alloy:</b> IECEx & ATEX (Ex) II 2 G D Certificate Ex db IIC T6...T5 Gb T6 (-20°C ≤ Ta ≤ +55°C) T5 (-20°C ≤ Ta ≤ +60°C) Ex tb IIIC T80°C...T88°C Db T80°C (-20°C ≤ Ta ≤ +55°C) T88°C (-20°C ≤ Ta ≤ +60°C)
	CT	<b>Taiwan Explosion Proof Certification / Aluminum alloy</b> Ex db IIC T6...T5 Gb T6 (-20°C ≤ Ta ≤ +55°C) T5 (-20°C ≤ Ta ≤ +60°C) Ex tb IIIC T80°C...T88°C Db T80°C (-20°C ≤ Ta ≤ +55°C) T88°C (-20°C ≤ Ta ≤ +60°C)
PSA2000X		
		<b>Complete Ordering Code</b>