

PRESSURE SWITCH EXPLOSION PROOF TYPE

PSA2100X

Explosion Proof Type
Protection: IP68
Proof Pressure to 1000psi
Adjustable Ranges: 2~100psi
Temperature: -30 to 205°C
Dead Band: Adjustable

The New-Flow PSA2100X, an explosion proof pressure switch, is designed to be used in control systems. PSA2100X 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, no special tools needed!

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, and M20 x P1.5 available
Pressure Element: welded type diaphragm
Process Material: wetted parts are all in SS316
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
04R	2~12 psi	1.2~3	1000 psi
10R	2~16 psi	1.6~4	1000 psi
20R	2~20 psi	2~5	1000 psi
30R	3~28 psi	2.8~7	1000 psi
40R	7~100 psi	9.9~28.4	1000 psi

Ordering Information

PSA2100X	Code	Range									
		04R 2~12 psi	10R 2~16 psi	20R 2~20 psi	30R 3~28 psi	40R 7~100 psi					
	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 (F) 1/2"NPT Female, standard (G) M20 x P1.5 Female									
	Code	Switch Form									
	1	One SPDT									
	Code	Explosion Proof Type / Housing Material									
	A	<i>Certificate on Housing Only / Aluminum alloy:</i> Class I, Groups B, C & D; Class II, Groups E, F & G; NEMA 4, 7, 9									
	B / B1	<i>Taiwan Explosion Proof Certification / (B) Aluminum alloy (B1) SS316:</i> Ex d IIB + H2 T6 Gb									
	E	<i>International IECEx Certification / Aluminum alloy:</i> Ex db IIB + H2 T6 Gb; Ex tb IIIC T85°C Db									
	X	<i>Europe Union ATEX Certification / Aluminum alloy:</i> II 2 G D Ex db IIB + H2 T6 Gb; II 2 G D Ex tb IIIC T85°C Db									
	J	<i>Japan Explosion Proof Certification / Aluminum alloy:</i> Ex d IIB + H2 T6 Gb; Ex t IIIC T85°C Db									
	R	<i>Russia EACEx Certification / Aluminum alloy:</i> 1Ex d IIB + H2 T6 Gb X; Ex tb IIIC T85°C Db									
PSA2100X											Complete Ordering Code



Patent No.

M295332
M334932
China: 920135

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

Approvals:



工電(2012)第00320號
(ITR1)2017第07-00075號

JAPAN EX-Certificate
CML 17JPN1016X
CML 17JPN3024

Dimensions

