

Explosion Proof Compact Switch

Series 9671X, 9681X, 9692X

Features

- ▶ ATEX approved
- ▶ NEMA 4X, 7 & 9
- ▶ NACE compliant
- ▶ SPDT and DPDT switch
- ▶ Safe to adjust during operation
- ▶ Dia-seal/piston sensor
- ▶ Hazardous location dual seal approved for Canada

Applications

- ▶ BOP closing units
- ▶ Safety panels
- ▶ Pipelines
- ▶ Chemical and petrochemical plants
- ▶ Pulp and paper mills
- ▶ Pump and gas compressors
- ▶ Turbines
- ▶ Oil & gas applications



General Specifications*

Accuracy:	±2% of full scale
Typical Life:	2.5 million cycles
Switch:	SPDT, snap action, Class CC simulated DPDT (optional)
Wetted Parts:	
Process Fitting:	316 stainless steel
Seals:	Viton® Diaphragm (9671X & 9681X) Viton® O-ring and Teflon® backup ring (9692X)
Piston:	Stainless steel (on 9692X)
Enclosure:	316 stainless steel or aluminum
Electrical Connection:	1/2" NPT male conduit connection, 18 AWG, 18" (300 mm) free leads
Electrical Rating:	11 amps @ 125/250VAC 5 amps @ 30 VDC (CC Class)
Enclosure Ratings:	NEMA 4X, 7 & 9 (SS) NEMA 4, 7, & 9 (AL)

Pressure Connection:	1/4" NPT female
Approvals:	CE 0081, LCIE 08 ATEX 6074X II 2 G, Ex d IIC T6 UL # E37043 CSA # LR22354 UL&CSA Approved for use in hazardous locations Class I, Groups A,B,C,& D; Class II, Groups E,F,& G (Group A, UL Only)
Ambient Temperature:	-4° to +104°F (-20° to +40°C)
EMI/RFI:	EN55011
Vibration:	10g's 10-500 Hz, MIL-STD-202F
Shock:	50g's, 11 mS, MIL-S-901C
Adjustment:	Internal adjustment wheel with built in locking set-screws (#6) ¹
Shipping Weight:	Approximately 1.85 lbs.

¹ Need to loosen set screw (#6) at all times when resetting adjustment.

* See product configurator for additional options.

Wiring Code

	9692X/9681X (Pressure)		9671X (Vacuum)	
Lead	Circuit #1	Circuit #2	Circuit #1	Circuit #2
Normally Open	Red	Yellow	Blue	Orange
Common	Purple	Brown	Purple	Brown
Normally Closed	Blue	Orange	Red	Yellow
Ground	Green		Green	

Wiring Diagram (9681X/9692X models)

