

Specifications: Model TBS3000A

Electrical Switch: Single pole, normally open snap acting contacts

Electrical Rating: (UL/ULC)
21 A resistive 125 V ac
(Note) Electrical ratings are @ 160 °F [71 °C] maximum ambient for 100,000 cycles and SPDT unless otherwise specified.

(KEMA)
16 A resistive 250 V ac
4 A inductive 250 V ac
(Note) Electrical ratings are @ 185 °F [85 °C] maximum ambient for 100,000 cycles and SPST unless otherwise specified.
Electrical switch is approved to ENEC standards by the KEMA approval agency.

Electrical Connectors: 250 [6.35] male quick connect terminals (dog leg)

Pressure Connection: 1/8 NPT male integral plastic fitting/mounting base

Mounting: (Sealing) 1/8 NPT fitting is designed to seal without the use of thread sealants. However, it is recommended to use standard sealants to insure a leak-free joint. Teflon tape, pipe dope and RTV rubber silicone sealants are all compatible with the plastic resin used to mold the fitting/mounting base.

(Tightening) Tighten the switch to finger tight yielding approx. 10 in-lbs [1.13 N-m] tightening torque. Up to one (1) additional turn is acceptable for proper terminal positioning.

(CAUTION) Hand tighten only. Do not use wrenches, adjustable pliers, etc. Tool assisted tightening may damage the tapered pipe threads and will void the warranty.

Operating Temperature: (Under full electrical load) 70 °F [21 °C] to 160 °F [71 °C] ambient unless further restricted by electrical rating

Operating Pressure: 30 psi [207 kPa] maximum @ 160 °F [71 °C] ambient

Pressure Setpoint: (Pressure rise) 2.50 psi [17.3 kPa] maximum @ 70 °F [21 °C] ambient (Pressure fall) 0.50 psi [3.5 kPa] minimum @ 70 °F [21 °C] ambient


Mechanical Life: 100,000 cycles

Pressure Media: Air or fluids compatible with thermoplastic polyesters and EPDM (Note) Highly chlorinated water typically found in swimming pool and spa applications is NOT compatible with thermoplastic polyesters.

Application: This switch is intended to be used as a pressure sensing switch. The switch does not have a pressure compensation bleed; therefore, use in a sealed system may lead to unwanted switch operation due to temperature and/or barometric pressure changes.

Component Temperature Rating: Snapswitch components, pressure pod and diaphragm materials are rated to 266 °F [130 °C].

Configuration Code: AA0A

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FINISH:		SUPERSEDES:		DRAWN BY: NISHIZAKI CHECKED BY: KJN DATE: 04/01/2005	
MAKE FROM:		E R NUMBER: 82610 SCALE: 2:1		APPROVED BY: [Signature] DATE: 3/13/06	
B 14407 A 14316	Added configuration code, Setpoint was 2.55 psi rise/ 78 psi rise/ Release to Sales	03/10/2006 04/01/2005	KJN KJN	 7745 METRIC DRIVE MENTOR, OHIO NAME: Pressure Switch Specification Sheet PART NUMBER: BS-TBS3000A	
REV: EN NUMBER	DESCRIPTION	DATE	BY		