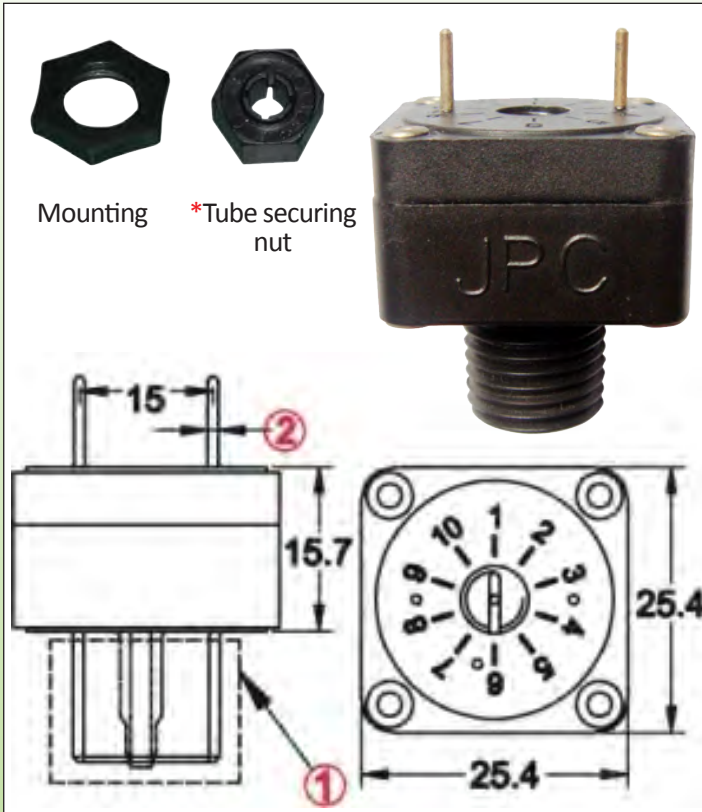


# Slow action contact miniature air switches for printed circuit boards with 5mm pitch, SPNO contact : Type ZE

## DIMENSIONS



**Uses:** Low voltage, high sensitivity  
**Main applications:** Electronic printed circuits and remote controls for spa, swimming pools and saunas. This pressure switch is more sensible than snap action models and allows longer tubing distance  
**Membranes:** EPDM, dia 22 mm. Silicone or NBR on request  
**Fluid:** air  
**Fitting:** Plastic spout for 1/8(3mm) or 1/16(1.5mm) ID flexible plastic tubing maximum hardness 70 shore A  
**Pressure:** positive  
**Housing:** PA66, UL94 VO and ABS  
**Contact:** single pole normally open, slow make.  
**Electrical rating:**  
 - Silver contact: max 1A 250V  
 - Gold plated contact: max 100 mA, 24V  
**Action:** momentary, close on pressure impulse.  
**Set point calibration:** 50mbar, factory calibrated and sealed, not field adjustable. Other values on request  
**Electrical connection:** printed circuit terminal, dia 1.2 mm, 15 mm spacing  
**Maximum pressure:** 2 bars (29 PSI)  
**Ambient temperature limits:** 0 to 85°C  
**Barometric compensation:** groove on 4 mm spout for ¼ NPSM, calibrated orifice on 9/16-18  
**Caution:** This compensation is skipped if using ¼ thread for pressure connection  
**Mounting fittings:** ¼" NPSM or 9/16-18 (2 possible flat positions)  
**Switch operation:** Operates on a sealed pressure air displacement. Do not use pressure transmitters with air input to avoid pumping action.  
 Use air transmitters with enough air volume to achieve minimum operating pressure.  
**Caution:** too long connecting tubing and/or too small pressure transmitter will not operate the air switch or will operate it with a momentary action.  
**Accessories:** shipped with plastic nut. Maximum tightening torque with plastic nut is 0.08mkg (0.8Nm).  
**Recommended value:** 0.5 Nm . Stainless steel nut or tube securing nut (\*) on request

Available pressure inlet fittings ①	Mounting	*Tube securing nut

### References ( with calibration at 50 mbar):

Pressure inlet	Silver contact	Gold plated contact
9/16-18+ spout, 2 flats at 0°, standard nut	ZE2X2UL105000008	ZE2X2ULG05000008
9/16-18+ spout, 2 flats at 90°, standard nut	ZE2X2WL105000008	ZE2X2WLG05000008
1/4 NPSM + spout, standard nut	ZE2X2IL105000008	ZE2X2ILG05000008
9/16-18+ spout, 2 flats at 0°, tube securing nut	ZE2X2UL105000009	ZE2X2ULG05000009
9/16-18+ spout, 2 flats at 90° tube securing nut	ZE2X2WL105000009	ZE2X2WLG05000009
1/4 NPSM + spout, tube securing nut	ZE2X2IL105000009	ZE2X2ILG05000009

Other set point values: replace 050 in the product reference by the requested value in mbar

