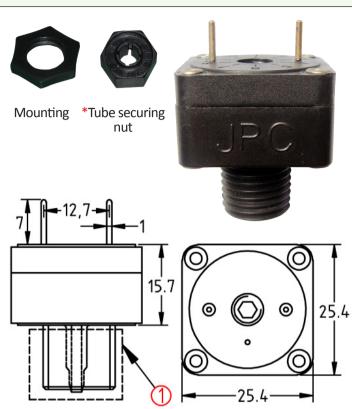
## Slow action contact miniature air switches for printed circuit boards with 6.35 mm pitch, SPNO contact: Type ZE

## **DIMENSIONS**



Uses: Low voltage, high sensivity

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 mm, 12.7 mm spacing

Maximum pressure: 2 bars (29 PSI) Ambient temperature limits: 0 to 85°C

Barometric compensation: groove on 4 mm spout for 1/4 NPSM, calibrated orifice on 9/16-18

Caution: This compensation is skipped if using ¼ thread for pressure connection

Mounting fittings: 1/2" 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

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
φ4 φ3 12.5 φ3 9/16–18		90°>	Ø14 -	
φ4 12.5 φ3 1/4"NPSM			Ø13.1	

## References ( with calibration at 50 mbar):

Pressure inlet	Silver contact	Gold plated contact
9/16-18+ spout, 2 flats at 0°, standard nut	ZE2X2UF105000008	ZE2X2UFG05000008
9/16-18+ spout, 2 flats at 90°, standard nut	ZE2X2WF105000008	ZE2X2WFG05000008
1/4 NPSM + spout, standard nut	ZE2X2IF105000006	ZE2X2IFG05000006
9/16-18+ spout, 2 flats at 0°, tube securing nut	ZE2X2UF105000009	ZE2X2UFG05000009
9/16-18+ spout, 2 flats at 90° tube securing nut	ZE2X2WF105000009	ZE2X2WFG05000009
1/4 NPSM + spout, tube securing nut	ZE2X2IF105000007	ZE2X2IFG05000007

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

