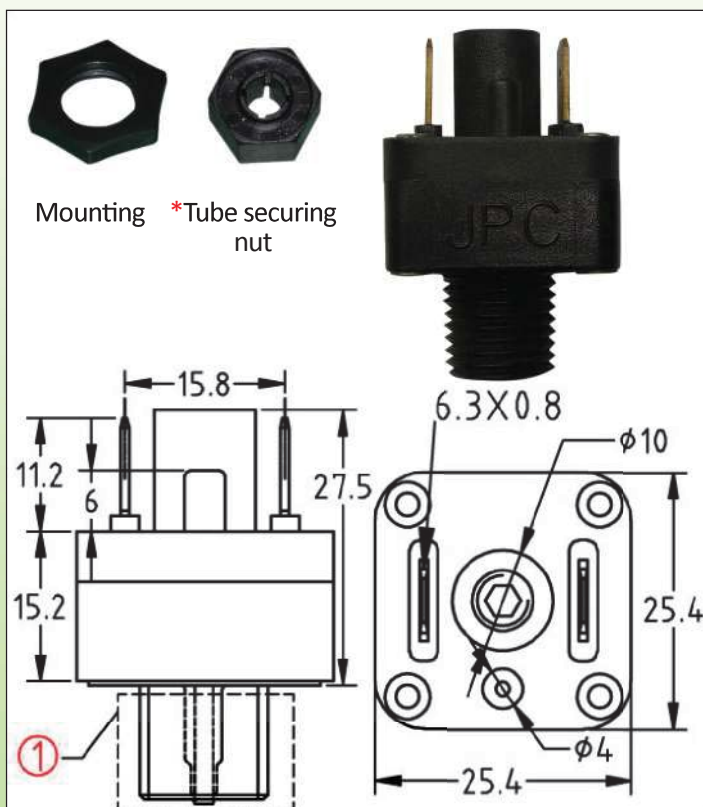


# Slow action contact miniature air switches, 6.35 x 0.8 mm terminals

## SPNO contact : Type ZF

### DIMENSIONS



**Uses:** Low voltage, high sensitivity

**Main applications:** Remote controls for spa, swimming pools saunas, intrusion detection carpets, plumbing equipment. This pressure switch is more sensitive 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 1/4 NPSM, calibrated orifice on 9/16-18

**Caution:** This compensation is skipped if using 1/4 thread for pressure connection

**Mounting fittings:** 1/4" 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	ZF2X2UEA05000008	ZF2X2UEG05000008
9/16-18+ spout, 2 flats at 90°, standard nut	ZF2X2WEA05000008	ZF2X2WEG05000008
1/4 NPSM + spout, standard nut	ZF2X2IEA05000006	ZF2X2IEG05000006
9/16-18+ spout, 2 flats at 0°, tube securing nut	ZF2X2UEA05000009	ZF2X2UEG05000009
9/16-18+ spout, 2 flats at 90° tube securing nut	ZF2X2WEA05000009	ZF2X2WEG05000009
1/4 NPSM + spout, tube securing nut	ZF2X2IEA05000007	ZF2X2IEG05000007

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