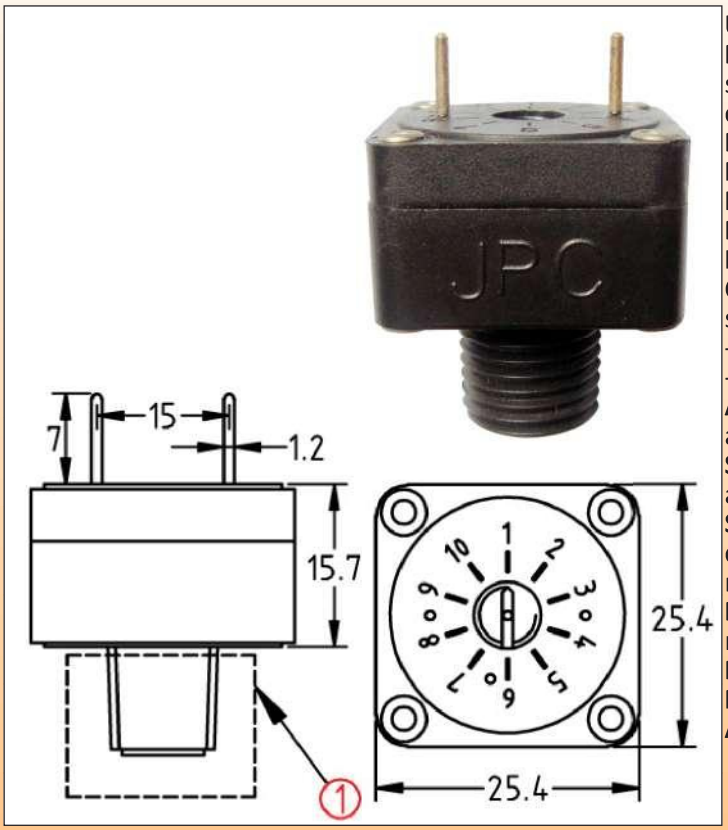
Slow action contact miniature vacuum switches for printed circuit boards with 5 mm pitch, plastic fitting
SPNO contact : Type ZF

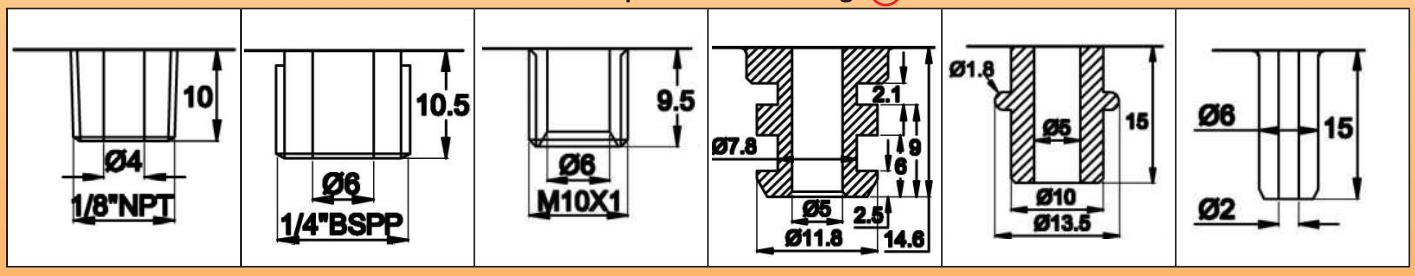
DIMENSIONS



Uses: Low voltage, high sensivity
Main applications: Electronic printed circuit. This vacuum switch is more sensible than snap action models and can be calibrated at lower pressure values. Very small differential.
Membranes: EPDM, dia 22 mm. Silicone or NBR on request
Fluid: air or water
Fitting: Plastic
Pressure: negative (Vacuum)
Housing: PA66, UL94 VO
Contact: single pole normally open at atmospheric pressure, slow make. Electrical rating:
- Silver contact: max 1A 250V
- Gold plated contact: max 100 mA, 24V

Action: momentary, close on vacuum increase (=decrease of absolute pressure).
Set point calibration: factory calibrated and sealed, not field adjustable
Set point calibration limits (relative pressure): standard calibration minus 50mbar, other values are achievable from minus 20 to minus 200 mbar
Electrical connection: printed circuit terminal, dia 1.2 mm, 15 mm spacing
Maximum pressure: 2 bars (29 PSI)
Maximum vacuum: minus 500 mbar (relative pressure)
Ambient temperature limits: 0 to 85°C

Available pressure inlet fittings ①



References (with calibration at minus 50 mbar):

Pressure inlet	Silver contact	Gold plated contact
1/8'' NPT	ZF2X28L105000000	ZF2X28LG05000000
1/4''BSPP	ZF2X2QL105000000	ZF2X2QLG05000000
M10 x 1	ZF2X2ML105000000	ZF2X2MLG05000000
Snap in fitting, 2 grooves dia 7.8	ZF2X2TL105000000	ZF2X2TLG05000000
Snap in fitting, 1 groove dia 10	ZF2X2ZL105000000	ZF2X2ZLG05000000
Snap in fitting, 1 spout dia 6 mm	ZF2X2AL105000000	ZF2X2ALG05000000

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

En raison de l'évolution technique constante de nos produits, les plans, dessins, photos et caractéristiques repris dans les pages techniques sont communiqués sans engagement et peuvent être modifiés sans préavis

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Slow action contact miniature vacuum switches for printed circuit boards with 5 mm pitch, plastic fitting
SPNC contact : Type ZF

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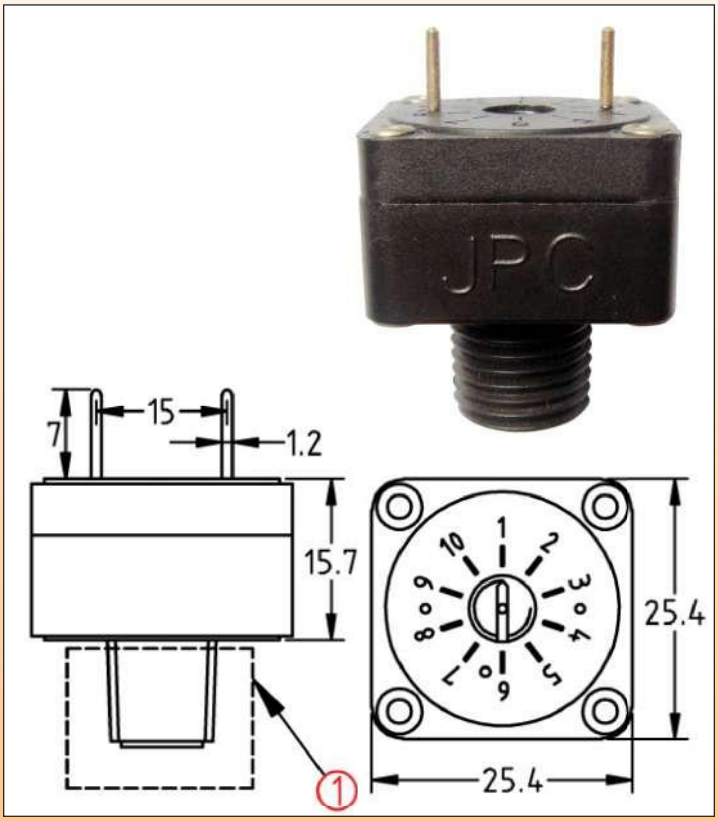
DIMENSIONS



Uses: Low voltage, high sensivity
Main applications: Electronic printed circuit. This vacuum switch is more sensible than snap action models and can be calibrated at lower pressure values. Very small differential.
Membranes: EPDM, dia 22 mm. Silicone or NBR on request
Fluid: air or water
Fitting: Plastic
Pressure: negative (Vacuum)
Housing: PA66, UL94 VO
Contact: single pole normally closed at atmospheric pressure, slow break. Electrical rating:
- Silver contact: max 1A 250V
- Gold plated contact: max 100 mA, 24V

Action: momentary, open on vacuum increase (=decrease of absolute pressure).
Set point calibration: factory calibrated and sealed, not field adjustable
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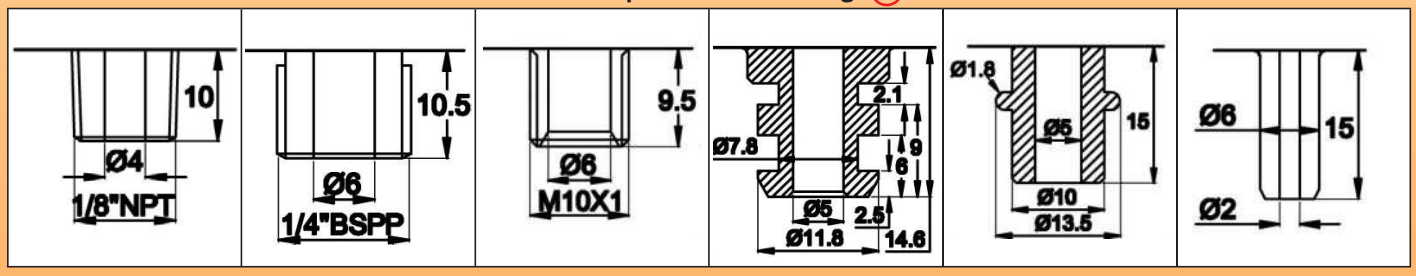
Maximum pressure: 2 bars (29 PSI)
Maximum vacuum: minus 500 mbar (relative pressure)
Ambient temperature limits: 0 to 85°C

Available pressure inlet fittings ①



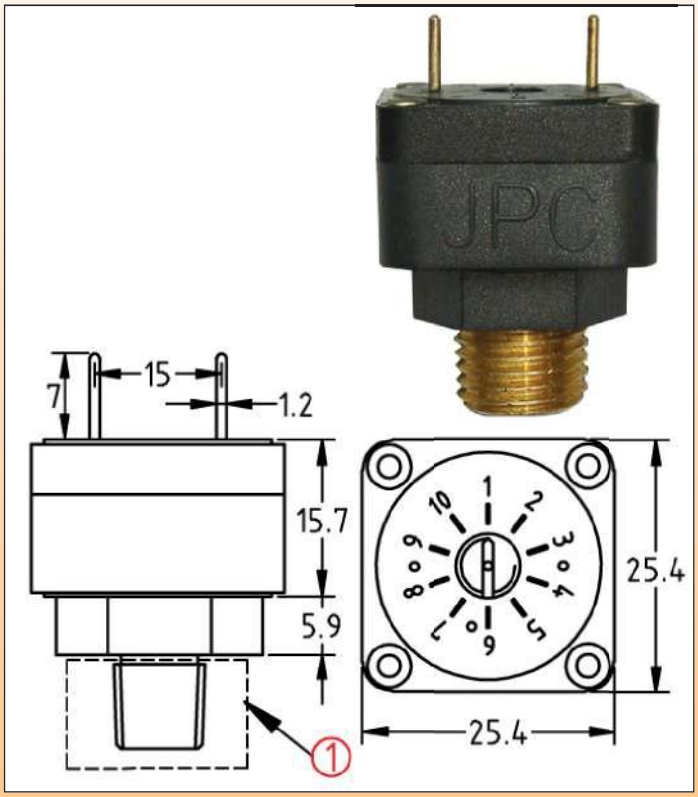
References (with calibration at minus 50 mbar):

Pressure inlet	Silver contact	Gold plated contact
1/8'' NPT	ZF2X18L105000000	ZF2X18LG05000000
1/4''BSPP	ZF2X1QL105000000	ZF2X1QLG05000000
M10 x 1	ZF2X1ML105000000	ZF2X1MLG05000000
Snap in fitting, 2 grooves dia 7.8	ZF2X1TL105000000	ZF2X1TLG05000000
Snap in fitting, 1 groove dia 10	ZF2X1ZL105000000	ZF2X1ZLG05000000
Snap in fitting, 1 spout dia 6 mm	ZF2X1AL105000000	ZF2X1ALG05000000

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

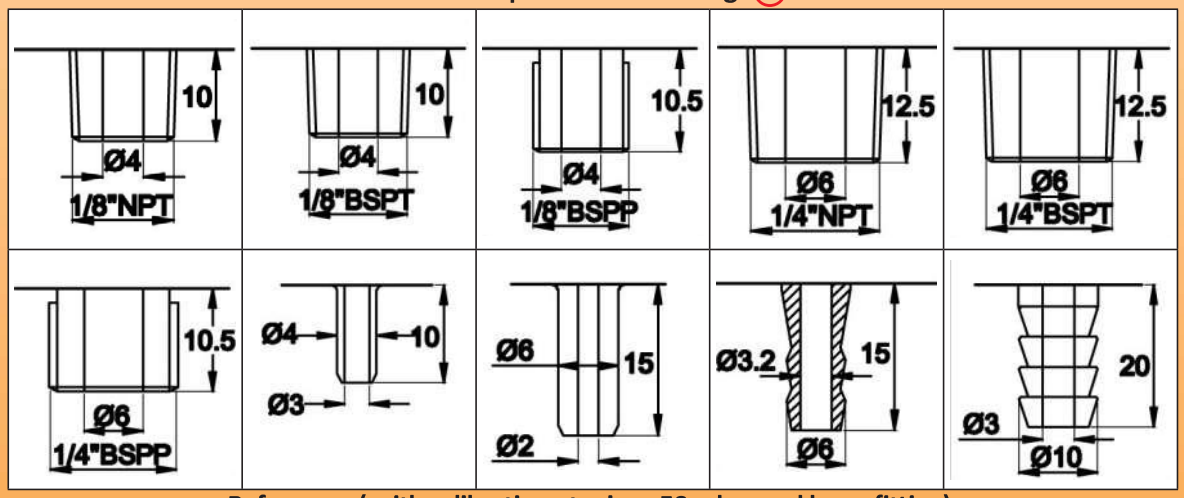
Slow action contact miniature vacuum switches for printed circuit boards with 5 mm pitch, metal fitting
SPNO contact : ZF

DIMENSIONS



Uses: Low voltage, high sensivity
Main applications: Electronic printed circuit. This vacuum switch is more sensible than snap action models and can be calibrated at lower pressure values. Very small differential.
Membranes: EPDM, dia 22 mm. Silicone or NBR on request
Fluid: air or water
Fitting: brass (stainless steel on request)
Pressure: negative (Vacuum)
Housing: PA66, UL94 VO
Contact: single pole normally open at atmospheric pressure, slow make.
Electrical rating:
- Silver contact: max 1A 250V
- Gold plated contact: max 100 mA, 24V
Action: momentary, close on vacuum increase (=decrease of absolute pressure).
Set point calibration: factory calibrated and sealed, not field adjustable
Set point calibration limits (relative pressure): standard calibration minus 50mbar, other values are achievable from minus 20 to minus 200 mbar
Electrical connection: printed circuit terminal, dia 1.2 mm, 15 mm spacing
Maximum pressure: 2 bars (29 PSI)
Maximum vacuum: minus 500 mbar (relative pressure)
Ambient temperature limits: 0 to 85°C

Available pressure inlet fittings ①



References (with calibration at minus 50 mbar and brass fitting):

Pressure inlet	Silver contact	Gold plated contact
1/8" NPT	ZF2X2RL105000000	ZF2X2RLG05000000
1/8"BSPT	ZF2X2PL105000000	ZF2X2PLG05000000
1/8"BSPP	ZF2X2LL105000000	ZF2X2LLG05000000
1/4" NPT	ZF2X2CL105000000	ZF2X2CLG05000000
1/4" BSPT	ZF2X2SL105000000	ZF2X2SLG05000000
1/4" BSPP	ZF2X22L105000000	ZF2X22LG05000000
Smooth spout dia 4 mm	ZF2X23L105000000	ZF2X23LG05000000
Spout dia 6 mm	ZF2X27L105000000	ZF2X27LG05000000
Fluted spout dia 6 mm	ZF2X2JL105000000	ZF2X2JLG05000000
Barbed spout dia 10 mm	ZF2X29L105000000	ZF2X29LG05000000

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

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SPNC contact : Type ZF

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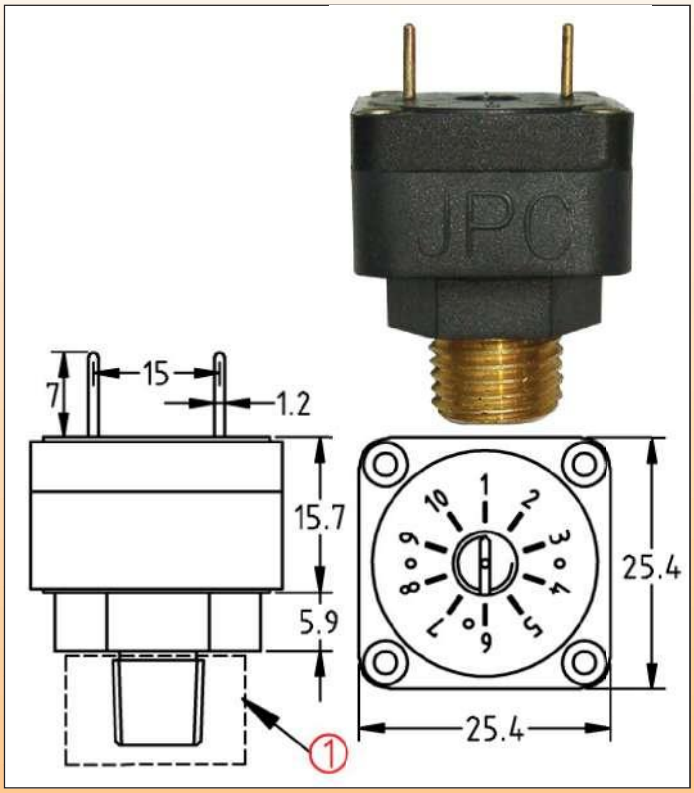

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Fluid: air or water
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Pressure: negative (Vacuum)
Housing: PA66, UL94 VO
Contact: single pole normally closed at atmospheric pressure, slow break.
Electrical rating:
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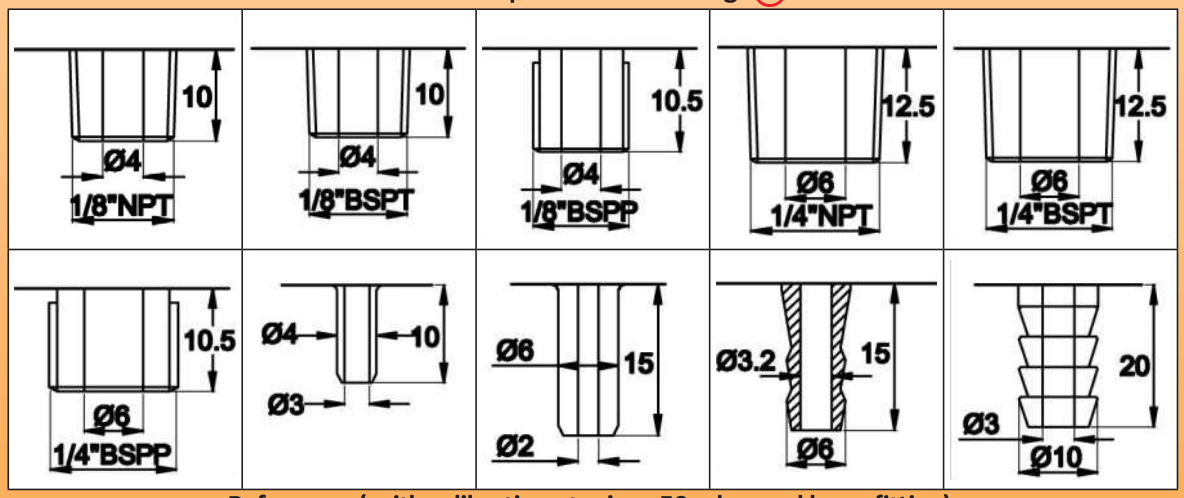
Action: momentary, open on vacuum increase (=decrease of absolute pressure).
Set point calibration: factory calibrated and sealed, not field adjustable
Set point calibration limits (relative pressure): standard calibration minus 50mbar, other values are achievable from minus 20 to minus 200 mbar
Electrical connection: printed circuit terminal, dia 1.2 mm, 15 mm spacing
Maximum pressure: 2 bars (30 PSI)
Maximum vacuum: minus 500 mbar (relative pressure)
Ambient temperature limits: 0 to 85°C

Available pressure inlet fittings ①



References (with calibration at minus 50 mbar and brass fitting):

Pressure inlet	Silver contact	Gold plated contact
1/8" NPT	ZF2X1RL105000000	ZF2X1RLG05000000
1/8"BSPT	ZF2X1PL105000000	ZF2X1PLG05000000
1/8"BSPP	ZF2X1LL105000000	ZF2X1LLG05000000
1/4" NPT	ZF2X1CL105000000	ZF2X1CLG05000000
1/4" BSPT	ZF2X1SL105000000	ZF2X1SLG05000000
1/4" BSPP	ZF2X12L105000000	ZF2X12LG05000000
Smooth spout dia 4 mm	ZF2X13L105000000	ZF2X13LG05000000
Spout dia 6 mm	ZF2X17L105000000	ZF2X17LG05000000
Fluted spout dia 6 mm	ZF2X1JL105000000	ZF2X1JLG05000000
Barbed spout dia 10 mm	ZF2X19L105000000	ZF2X19LG05000000

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