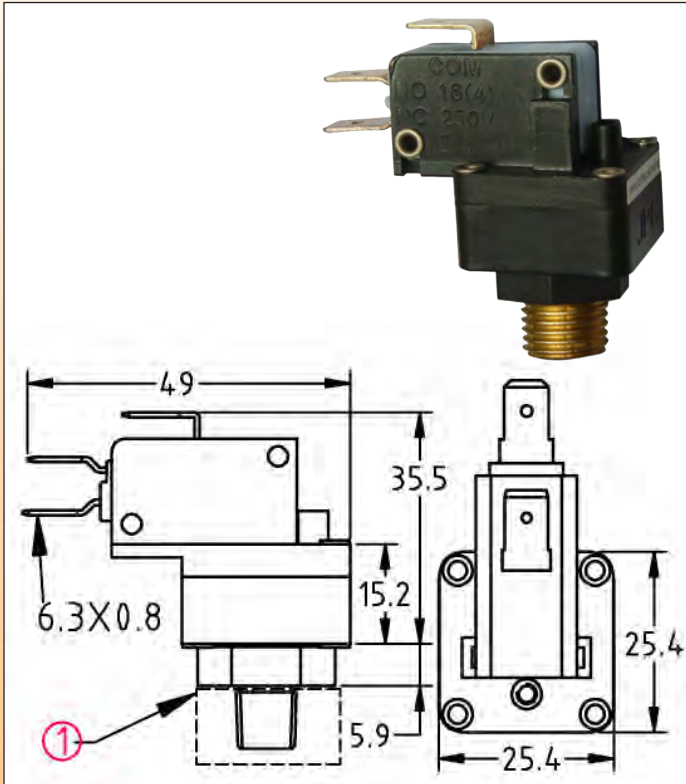


Snap action contact miniature vacuum switch, SPDT contact

Metal fitting : Type ZD

DIMENSIONS



Uses: High electrical rating, for 250V.

Main applications: Vacuum detection on pumps, filters, ventilation, and electrical appliances.

Membranes: EPDM, dia 22 mm. Silicone or NBR on request. Double membrane on request.

Fluid: water or air

Fitting: brass (stainless steel on request)

Pressure: negative (Vacuum)

Housing: PA66, UL94 VO

Contact: SPDT, snap action. NO or NC contacts available with MOQ.
Electrical rating: Depends on micro-switch operating force that is linked to the electrical rating

- Standard rating micro-switch (medium and high vacuum calibration only): 16A 125/250VAC; 1/2HP 125VAC; 3/4HP 250VAC. Differential about 60 mbar

- High rating micro-switch (medium and high vacuum calibration only): 2HP 240V, 21(8) A 240V (UL, CSA VDE switch). Differential about 90 mbar.

- Low force micro-switch (vacuum less than minus 150 mbar): 1/4HP 6(1) A 240V (UL, CSA VDE switch) Differential about 40 mbar.

- On request: up to 25A 250V

Action: momentary.

Set point calibration: factory calibrated and sealed, not field adjustable

Calibration condition: the contact between Com and NC opens when vacuum pressure goes from atmospheric pressure to requested vacuum set point.

Set point calibration limits: from minus 50 to minus 700 mbar

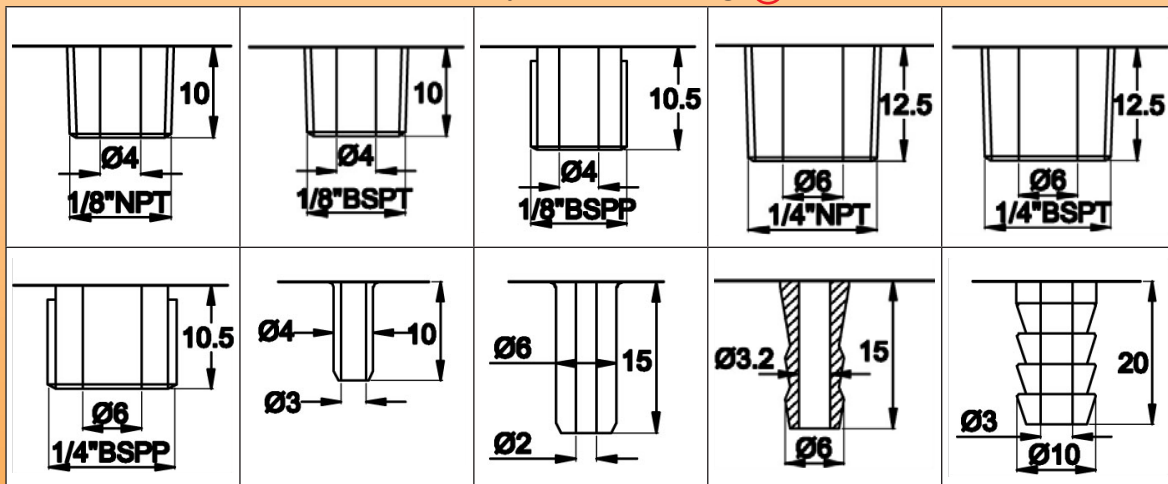
Electrical connection: 6.35 x 0.8 mm quick connect terminals

Maximum pressure: 4 bars (58 PSI)

Maximum vacuum: minus 700 mbar (relative pressure)

Ambient temperature limits: 0 to 85°C

Available pressure inlet fittings ①



References (with SPDT contact and brass fitting):

| Pressure inlet | Standard rating micro- switch (Calibration : minus 200 mbar) | Low pressure micro-switch (Calibration minus 100 mbar) | High rating micro-switch (Calibration minus 300 mbar) |
|------------------------|---|---|---|
| 1/8" NPT | ZD222RU10B000000 | ZD252RU50A000000 | ZD2BRU60C0000000 |
| 1/8" BSPT | ZD222PU10B000000 | ZD252PU50A000000 | ZD2BPU60C0000000 |
| 1/8" BSPP | ZD222LU10B000000 | ZD252LU50A000000 | ZD2BLU60C0000000 |
| 1/4" NPT | ZD222CU10B000000 | ZD252CU50A000000 | ZD2BCU60C0000000 |
| 1/4" BSPT | ZD222SU10B000000 | ZD252SU50A000000 | ZD2BSU60C0000000 |
| 1/4" BSPP | ZD222U10B000000 | ZD252U50A000000 | ZD2B2U60C0000000 |
| Smooth spout dia 4 mm | ZD2223U10B000000 | ZD2523U50A000000 | ZD2B3U60C0000000 |
| Spout dia 6 mm | ZD2227U10B000000 | ZD2527U50A000000 | ZD2B7U60C0000000 |
| Fluted spout dia 6 mm | ZD222JU10B000000 | ZD252JU50A000000 | ZD2BJU60C0000000 |
| Barbed spout dia 10 mm | ZD2229U10B000000 | ZD2529U50A000000 | ZD2B9U60C0000000 |
| | Other set point values: replace B00 in the product reference by the requested value in mbar | Other set point values: replace A00 in the product reference by the requested value in mbar | Other set point values: replace 000 in the product reference by the requested value in mbar |

