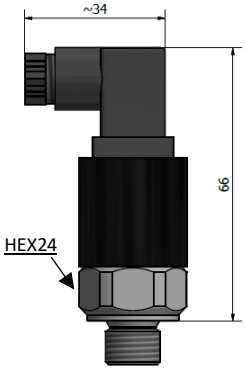
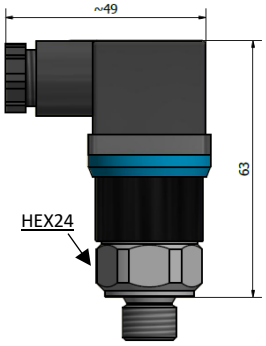
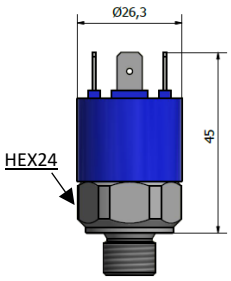
# F4 Electromechanical pressure switch, SPDT contacts




*F4 / M2*




*F4 / M3*



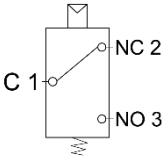

*F4 / P3*



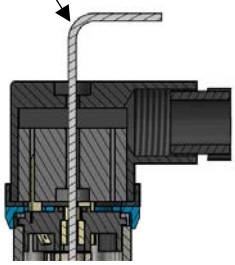

*P1*



*SPDT contacts*




*Regulation allen screw 2mm*



*Adjustment instructions*

| Technical features | |
|---|---|
| **Switching pressure range:** | From -0.8 Bar to 400 Bar |
| **Maximum pressure:** | From 25 Bar to 600 Bar |
| **Working temperature:** | -25°C ÷ +85°C |
| **Hydraulic connection:** | Different threads (STD: ¼" BSP-M) |
| **Body material:** | Zinc plated steel with key 24mm<br>(AISI 316L or different BRASS on request) |
| **Weight:** | 0,05 Kg |
| **Fixed hysteresis value:** | - Membrane execution ~ 10% of end of scale at 20°C<br>- Piston execution ~ 15% of end of scale at 20°C<br>- Y Piston execution ~ 25% of end of scale at 20°C |
| **Switching accuracy:** | ± 4% of end of scale at 20°C |
| **Mechanical life:** | $10^6$ cycles at 70 bar (1000 PSI) at 20°C |
| **Tightening torque max:** | 50 Nm |
| **Electric features** | |
| **Maximum load:** | 0.5 A at 250 Volt AC, 0.15 A at 110 Volt DC |
| **Type of electric contact:** | Exchange contacts (Common, NO and NC) – SPDT |
| **Electric connection acc. to DIN 43650:** | M3 (30x30mm), M2 (15x15mm) – IP65 |
| **Electric protection acc. to EN 60529:** | M2, M3 – IP65 / P3, P1 – IP54 |
| **ATEX certification:** | ATEX II 3G Ex dc IIB T6 Gc IP65<br>ATEX II 3D Ex tc IIIB T85°C Dc IP65<br>for F4 with M2 and M3 |
| **Other** | |
| **Also available:** | - Special value of hysteresis<br>- CU-TR for Russian market<br>- UL-CSA for electric part only<br>- Separator (<10 bar) for corrosive and/or high percentage of solid particles |
| **Warranty:** | see dedicated page |

| F4. | | | | . | . | . | . | . | . | . | P1 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Switching Pressure range*** | | ***Execution*** | ***P Max*** | ***Body Material*** | ***Hydraulic Connection*** | ***Type of Seal*** | ***Electric Contacts*** | ***Setting Pressure*** | ***Condition*** | ***Type of Electric Connection*** | ***Protection Cap*** |
| | **Bar** | | | | | | | **Bar** | | | |
| **R** | 0.2>2.5 | *Membrane* | 25 | **X** *AISI316L*<br>**L** *BRASS*<br>**B** *NICKEL PLATED BRASS*<br>*if omitted means zinc plated steel* | 0 ⅛" BSP-M<br>1 ¼" BSP-M<br>2 ⅛"BSPT-M<br>3 M10x1-M<br>4 ⅛" NPT-M<br>5 ¼" NPT-M<br>6 ¼" BSPT-M | **V** VITON<br>**T** PTFE<br>**E** EPDM<br>**H** HNBR<br>*If omitted means NBR* | **G** *Gold plated contacts (if omitted means standard contacts)*<br>SPDT contacts | *If requested, indicate the value setting pressure, also indicate the condition "D" or "U"* | **D** *Means falling pressure setting, also please indicate the value*<br>**U** *Means rising pressure setting, also please indicate the value* | **M2** *connector* 16x16<br>**M3** *connector* 30x30<br>**P3** *Fast-on* 6.3x0.8 | *Accessory on request, essential to protect the instrument from dirty and humidity (only for P3 execution)* |
| **S** | 1>12 | *Membrane* | 25 | | | | | | | | |
| **SM** | 3>12 | *Membrane* | 150 | | | | | | | | |
| **SP** | 3>12 | *Piston* | 300 | | | | | | | | |
| **T** | 5>50 | *Piston* | 300 | | | | | | | | |
| **TM** | 5>50 | *Membrane* | 150 | | | | | | | | |
| **V** | 10>100 | *Piston* | 350 | | | | | | | | |
| **VM** | 10>100 | *Membrane* | 150 | | | | | | | | |
| **Z** | 30>300 | *Piston* | 400 | | | | | | | | |
| **Y** | 50>400 | *Piston* | 600 | | | | | | | | |
| ***ADJUSTABLE VACUUM SWITCH*** | | | | | | | | | | | |
| **WF4** | -0,8>-0,15 | *Membrane* | 25 | | | | | | | | |


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