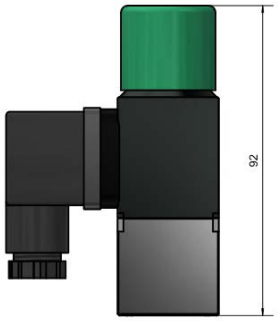
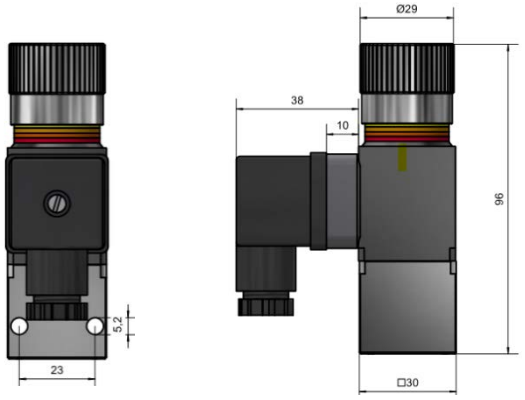
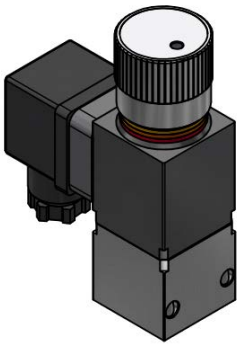
# F5 Electromechanical pressure switch, SPDT contacts



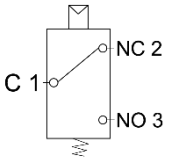

*F5*




*F5P*



*SPDT contacts*




| Technical features | |
|---|---|
| **Switching pressure range:** | From 1 Bar to 500 Bar |
| **Maximum pressure:** | From 25 Bar to 600 Bar |
| **Working temperature:** | -25°C ÷ +85°C |
| **Hydraulic connection:** | ¼" BSP-F |
| **Body material:** | 30x30mm square in anodized aluminum with wetted parts in zinc plated steel |
| **Weight:** | 0,30 Kg |
| **Fixed hysteresis value:** | - Membrane execution ~ 15% of end of scale at 20°C<br>- Piston execution ~ 15% of end of scale at 20°C |
| **Switching accuracy:** | ± 2% 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, 0.25 A at 125 Volt DC |
| **Type of electric contact:** | Exchange contacts (Common, NO and NC) – SPDT |
| **Electric connection acc. to DIN 43650:** | M3 (30x30mm) / M4 (30x30mm) – IP65 |
| **Electric connection acc. to IEC 60947-5-2:** | M12 – IP67 |
| **Electric protection acc. to EN 60529:** | M3, M4 – IP65 / M12 – IP67 |
| **ATEX certification:** | ATEX II 3G Ex dc IIB T6 Gc IP65<br>ATEX II 3D Ex tc IIIB T85°C Dc IP65 |
| **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 |

*Adjustment instructions*

| K7. | | | | | | . | . | . | . | . | .. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Type*** | ***Switching Pressure range*** | ***Execution*** | ***P Max*** | ***Hydraulic Connection*** | ***Body Material*** | ***Type of Seal*** | ***Electric contacts*** | ***Setting pressure*** | ***Condition*** | ***Type of execution*** | ***Type of Electric Connection*** |
| | **Bar** | | | | | | | **Bar** | | | |
| **F51** | 1>12 | *Membrane* | 25 | **F** ¼"BSP-F female<br>*If omitted means standard connection ¼" BSP-M* | *X AISI316/316*<br>*If omitted means standard material* | **V** VITON<br>**T** PTFE<br>**E** EPDM<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* | **P** *Execution with adjustable graduate knob*<br>*If omitted means standard execution* | **M12** *connector* 12x1<br>**M4** *connector* with light signal of insertion<br>If omitted means M3 |
| **F51P** | 2>15 | *Piston* | 300 | | | | | | | | |
| **F53M** | 5>50 | *Membrane* | 150 | | | | | | | | |
| **F53** | 5>50 | *Piston* | 300 | | | | | | | | |
| **F55M** | 10>100 | *Membrane* | 150 | | | | | | | | |
| **F55** | 15>150 | *Piston* | 350 | | | | | | | | |
| **F57** | 30>300 | *Piston* | 400 | | | | | | | | |
| **F59** | 50>500 | *Piston* | 600 | | | | | | | | |