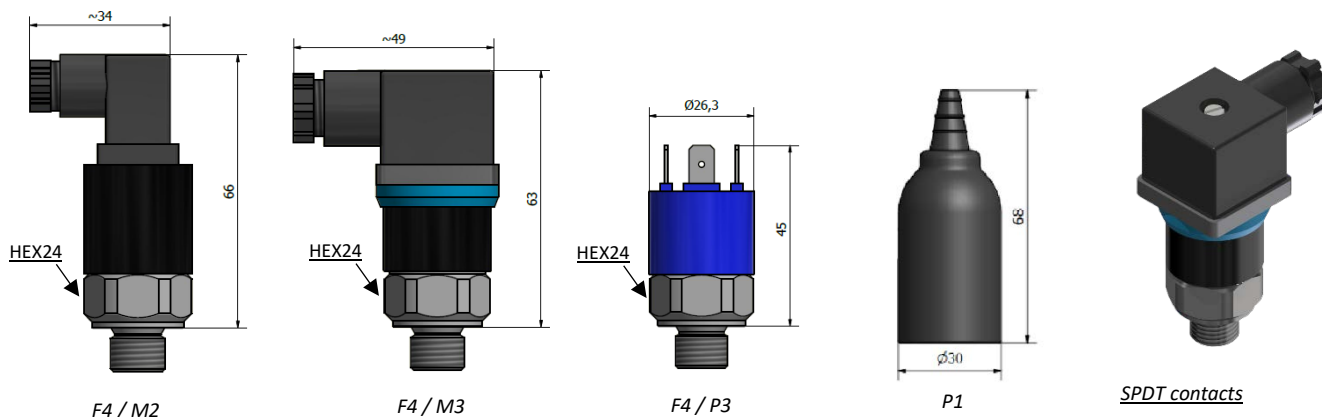




## Technical features

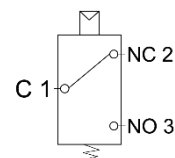
|                                  |                                                                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Switching pressure range:</b> | From -0.8 Bar to 400 Bar                                                                                                                                     |
| <b>Maximum pressure:</b>         | From 25 Bar to 600 Bar                                                                                                                                       |
| <b>Working temperature:</b>      | -25°C ÷ +85°C                                                                                                                                                |
| <b>Hydraulic connection:</b>     | Different threads (STD: 1/4" BSP-M)                                                                                                                          |
| <b>Body material:</b>            | Zinc plated steel with key 24mm<br>(AISI 316L or different BRASS on request)                                                                                 |
| <b>Weight:</b>                   | 0,05 Kg                                                                                                                                                      |
| <b>Fixed hysteresis value:</b>   | - 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 |
| <b>Switching accuracy:</b>       | ± 4% of end of scale at 20°C                                                                                                                                 |
| <b>Mechanical life:</b>          | 10 <sup>6</sup> cycles at 70 bar (1000 PSI) at 20°C                                                                                                          |
| <b>Tightening torque max:</b>    | 50 Nm                                                                                                                                                        |

## Electric features

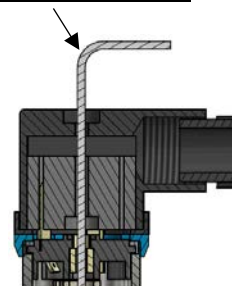
|                                               |                                                                                                |
|-----------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>Maximum load:</b>                          | 0.5 A at 250 Volt AC, 0.15 A at 110 Volt DC                                                    |
| <b>Type of electric contact:</b>              | Exchange contacts (Common, NO and NC) – SPDT                                                   |
| <b>Electric connection acc. to DIN 43650:</b> | M3 (30x30mm), M2 (15x15mm) – IP65                                                              |
| <b>Electric protection acc. to EN 60529:</b>  | M2, M3 – IP65 / P3, P1 – IP54                                                                  |
| <b>ATEX certification:</b>                    | ATEX II 3G Ex dc IIB T6 Gc IP65<br>ATEX II 3D Ex tc IIB T85°C Dc IP65<br>for F4 with M2 and M3 |

## Other

|                        |                                                                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Also available:</b> | - 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 |
| <b>Warranty:</b>       | see dedicated page                                                                                                                                                              |



Regulation allen screw 2mm



Adjustment instructions



| 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<br>AISI/316L<br><br>L<br>BRASS<br><br>B<br>NICKEL PLATED BRASS<br><br>if omitted means zinc plated steel | 0<br>1/8" BSP-M      | V<br>VITON           | G<br>Gold plated contacts (if omitted means standard contacts)<br><br>SPDT contacts | If requested , indicate the value setting pressure, also indicate the condition "D" or "U" | D<br>Means falling pressure setting, also please indicate the value<br><br>U<br>Means rising pressure setting, also please indicate the value | M2<br>connector 16x16<br><br>M3<br>connector 30x30<br><br>P3<br>Fast-on 6.3x0.8 | Accessory on request, essential to protect the instrument from dirty and humidity (only for P3 execution) |
| S                        | 1>10       | Membrane  | 25    |                                                                                                            | 1<br>1/4" BSP-M      | T<br>PTFE            |                                                                                     |                                                                                            |                                                                                                                                               |                                                                                 |                                                                                                           |
| SM                       | 1>10       | Membrane  | 150   |                                                                                                            | 2<br>1/8"BSPT-M      | E<br>EPDM            |                                                                                     |                                                                                            |                                                                                                                                               |                                                                                 |                                                                                                           |
| SP                       | 2>10       | Piston    | 300   |                                                                                                            | 3<br>M10x1-M         | H<br>HNBR            |                                                                                     |                                                                                            |                                                                                                                                               |                                                                                 |                                                                                                           |
| T                        | 5>50       | Piston    | 300   |                                                                                                            | 4<br>1/8" NPT-M      | If omitted means NBR |                                                                                     |                                                                                            |                                                                                                                                               |                                                                                 |                                                                                                           |
| TM                       | 5>50       | Membrane  | 150   |                                                                                                            | 5<br>1/4" NPT-M      |                      |                                                                                     |                                                                                            |                                                                                                                                               |                                                                                 |                                                                                                           |
| V                        | 10>100     | Piston    | 350   |                                                                                                            | 6<br>1/4" BSPT-M     |                      |                                                                                     |                                                                                            |                                                                                                                                               |                                                                                 |                                                                                                           |
| 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    |                                                                                                            |                      |                      |                                                                                     |                                                                                            |                                                                                                                                               |                                                                                 |                                                                                                           |