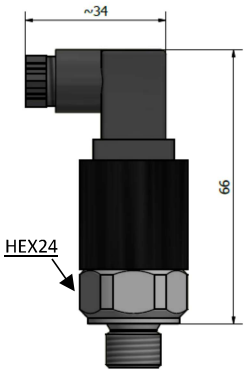
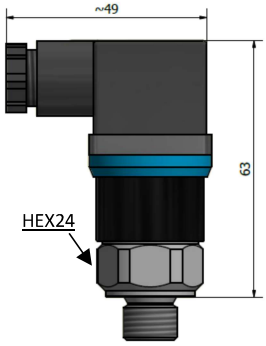
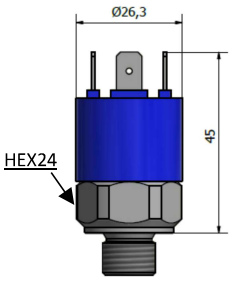
F4 Electromechanical pressure switch, SPDT contacts



F4 / M2



F4 / M3



F4 / P3

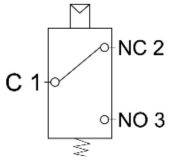


P1

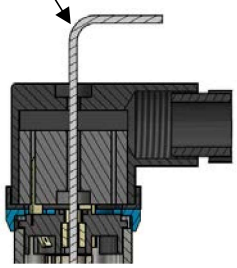


SPDT contacts

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 (AISI 316L or different BRASS on request)
Weight:	0,05 Kg
Fixed hysteresis value:	- Membrane execution ~ 10% of end of scale at 20°C - Piston execution ~ 15% of end of scale at 20°C - 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 ATEX II 3D Ex tc IIIB T85°C Dc IP65 for F4 with M2 and M3
Other	
Also available:	- Special value of hysteresis - CU-TR for Russian market - UL-CSA for electric part only - Separator (<10 bar) for corrosive and/or high percentage of solid particles
Warranty:	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** *AISI316L* **L** *BRASS* **B** *NICKEL PLATED BRASS* *if omitted means zinc plated steel*	0 ⅛" BSP-M 1 ¼" BSP-M 2 ⅛"BSPT-M 3 M10x1-M 4 ⅛" NPT-M 5 ¼" NPT-M 6 ¼" BSPT-M	**V** VITON **T** PTFE **E** EPDM **H** HNBR *If omitted means NBR*	**G** *Gold plated contacts (if omitted means standard contacts)* 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* **U** *Means rising pressure setting, also please indicate the value*	**M2** *connector* 16x16 **M3** *connector* 30x30 **P3** *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								
SM	1>10	*Membrane*	150								
SP	2>10	*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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