

Vacuum Switch AF27 – Type VDC:

- Snap action micro switch
- 250V / 4A
- Change over contact SPDT
- Elastomer membrane
- Adjustment range: -0,85...-0,15bar
- Preset ex works possible
- Adjustable hysteresis
- Compact design
- E-connection DIN EN 175301-803A including socket alternative plug M12x1 or cable outlet

Order code**VDC - A - BBB - C - DE - F**

A	Output
	1 = SPDT

BBB	Pressure adjustment range
	000 = - 0,85... - 0,15bar

C	Membrane	
	M = NBR	-20...+80°C
	T = low temperature-NBR	-40...+80°C
	E = EPDM	-40...+100°C
	F = FVMQ	-40...+100°C
	V = Viton	0...+100°C

D	Fluid connection material
	without = zinc plated steel S = stainless steel 1.4305

E	Fluid connection
	1 = G1/8" 3 = G1/4"

F	Electrical connection	
	1 = DIN EN 175301-803A incl. socket	
	2 = plug M12x1	
	5 = cable outlet	

Options

-0,xxbar	set point adjustment increasing or decreasing, factory preset
011041	1,5m cable with socket M12x1

Order sample: VDC-1-000-E-3-1

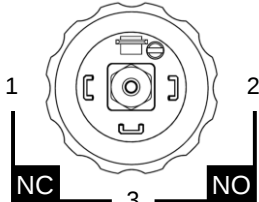
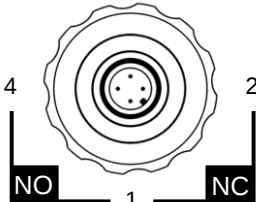
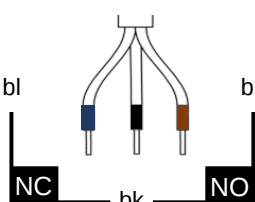
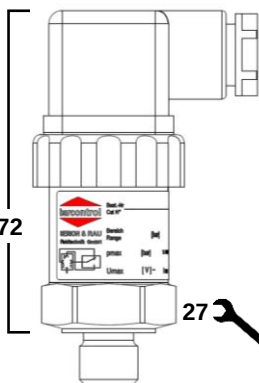
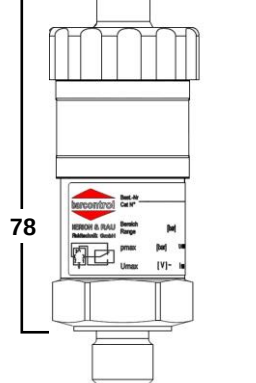
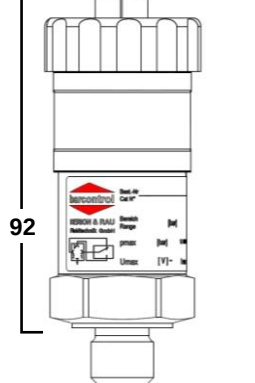
Vacuum-Switch VDC
 Output: SPDT
 Adjustment range: -0,85...-0,15bar
 Membrane: EPDM
 Fluid connection: male G1/4" fixed
 E-connection: DIN EN 175301-803A incl. socket

Technical data

Construction:	snap action micro switch AF27
Operating fluid:	neutral gases
Mechanical installation:	over fluid connection
Mounting position:	any
Max. system pressure:	20bar
Repeatability:	max. $\pm 2\%$ of full scale at room temperature
Hysteresis*:	guide value: 150...350mbar, adjustable
Life cycles, mech.:	$> 2 \times 10^6$
Max. switching frequency:	$\sim 1\text{Hz}$
Temperature range*:	$-40 \dots +100^\circ\text{C}$ as a function of used elastomere
Vibration resistance:	10g (10 ... 2000Hz) sinus acc. to ISO 16750-3
Shock resistance:	30g, 14ms shaped sinus acc. to DIN 40046, T7
Switching element:	snap action micro switch with self cleaning pins
CE-mark:	acc. to EU-standards 2014/35/EU (LVD); 2011/65/EU (RoHS)
Protection class:	IP65 acc. to DIN EN 60529; IP67 using plug M12 or cable outlet
Weight:	$\sim 0,15\text{kg}$

* please contact the technical support for alternative or special requirements regarding hysteresis and temperature
Subject to technical alternations!

Electrical connection data – dimensions

	DIN EN 175301-803A		Plug M12x1		Cable output	
						
						
	250VAC	24VDC	48VAC	24VDC	250VAC	24VDC
Ohmic load	4A	4A	4A	4A	4A	4A
Inductive load	2A	2A	2A	2A	2A	2A