

Vacuum Switch AF30 – Type VDS:

- Snap action micro switch
- 250V / 6A
- Change over contact SPDT
- Elastomer membrane
- Adjustment range: - 0,85... - 0,15bar
- Preset ex works possible
- Easy adjustment via adjustment knob
- Rugged design
- E-connection DIN EN 175301-803A or M12x1
- Female thread or flange connection

Order code**VDS - A - BBB - C - D - E**

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
	V = Viton	0...+100°C

D	Fluid connection
	2 = female G1/4"
	4 = horizontal flange incl. M5x40, O-Ring 5x1,5

E	Electrical connection
	1 = plug DIN EN 175301-803A
	2 = plug M12x1

Options

- 0,xxbar	set point adjustment increasing or decreasing, factory preset
011000	socket DIN EN 175301-803A
011001	socket DIN EN 175301-803A with 2LED, 24V
011041	1,5m cable with socket M12x1

Order sample: VDS-1-000-E-2-1

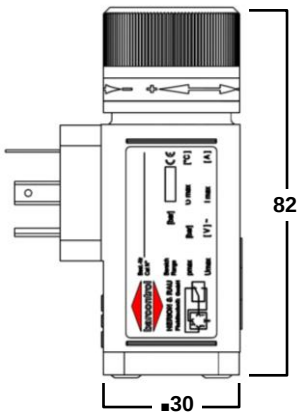
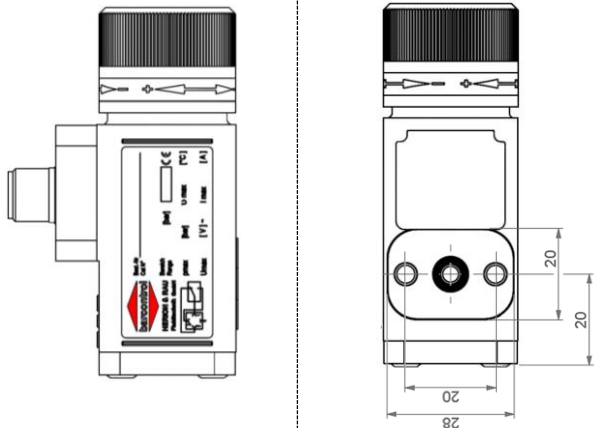
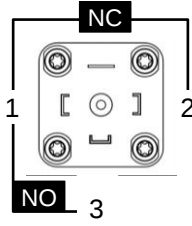
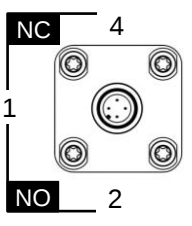
Vacuum Switch VDS
 Output: SPDT
 Adjustment range: -0,85...-0,15bar
 Membrane: EPDM
 Fluid connection: female G1/4"
 E-connection: DIN EN 175301-803A

Technical data

Construction:	snap action micro switch AF30
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...250mbar, not adjustable
Life cycles, mech.:	$> 5 \times 10^6$
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
Weight:	$\sim 0,3\text{kg}$

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

Electrical connection data – dimensions

	Dimension: G1/4 female screw-in thread max. 8mm		Horizontale flange connection	
				
	DIN EN 175301-803A		M12x1	
				
	250VAC	24VDC	48VAC	24VDC
Ohmic load	6A	3A	4A	3A
Inductive load	1A	1A	1A	1A