



Vacuum Switch AF24 – Type VDL:

- Snap action micro switch
- 48V / 2A, higher on request
- Change over contact SPDT
- Elastomer membrane
- Adjustment range: -0,85... -0,15bar
- Preset ex works possible
- Small design
- E-connection Faston 6,3x0,8 alternative M12x1, Deutsch 2-pin or cable outlet

**Order code**

**VDL - A - BBB - C - DE - F**

<b>A</b>	<b>Output</b>	
	1 = SPDT	
	6 = normally open NO	
	7 = normally closed NC	

<b>D</b>	<b>Fluid connection material</b>	
	without = zinc plated steel	
	S = Stainless steel 1.4305 / ANSI 303	

<b>BBB</b>	<b>Pressure adjustment range</b>	
	000 = - 0,85... - 0,15bar	

<b>E</b>	<b>Fluid connection</b>	
	1 = G1/8"	
	3 = G1/4"	

<b>C</b>	<b>Membrane</b>	
	M = NBR	-20...+80°C
	T = LowTemperatur-NBR	-40...+80°C
	E = EPDM	-40...+100°C
	F = FVMQ	-40...+100°C
V = Viton	0...+100°C	

<b>F</b>	<b>Electrical connection</b>	
	3 = Faston 3x6,3x0,8	
	2 = plug M12x1	
	4 = Deutsch DT04-2P	
	5 = cable output	

**Options**

<b>- 0,xx bar</b>	set point adjustment increasing or decreasing, factory preset
<b>102296</b>	rubber protection cap
<b>011041</b>	1,5m cable with socket M12x1

**Order sample: VDL-1-000-E-3-3**

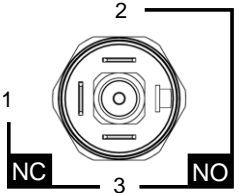
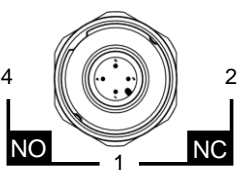
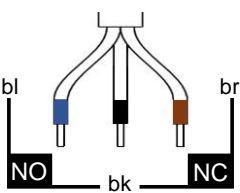
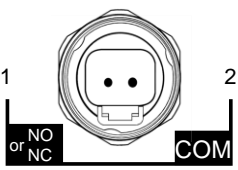
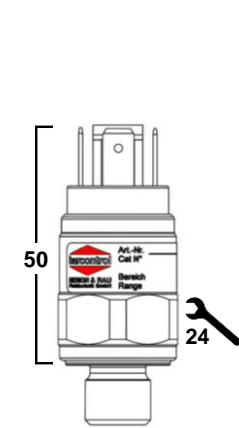
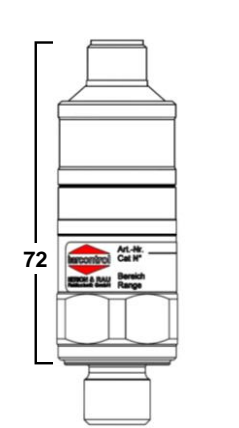
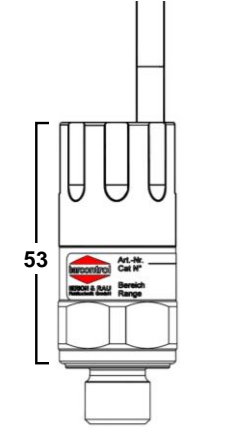
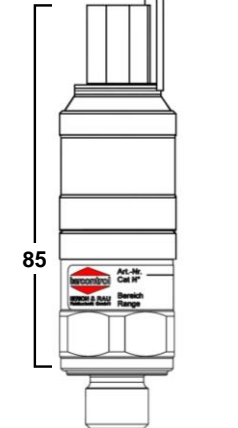
Vacuum Switch VDL  
Output: SPDT  
Adjustment range: -0,85...-0,15bar  
Membrane: EPDM  
Fluid connection: male G1/4" fixed  
E-connection: spade terminals 3x6,3x0,8

## Technical data

Construction:	snap action micro swith AF24
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: 250mbar, not adjustable
Life cycles, mech.:	$> 1 \times 10^6$
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
Swiching element:	snap action micro swith with self cleaning pins
CE-mark:	acc. to EU-standards 2014/35/EU (LVD), 2011/65/EU (RoHS)
Protection class EN 60529:	IP00 using Faston 6,3x0,8 IP67 using plug M12x1, Deutsch / up to IP68 using cable outlet
Weight:	$\sim 0,1\text{kg}$

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

## Electrical connection data – dimensions

	Faston 6,3x0,8		M12x1		Cable outlet		Deutsch DT04-2P	
								
								
	48 VAC	24 VDC	48 VAC	24 VDC	48 VAC	24 VDC	48 VAC	24 VDC
ohmic load	2A	2A	2A	2A	2A	2A	2A	2A
Inductive load	2A	1A	2A	1A	2A	1A	2A	1A