



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

A	Output	
	1 = SPDT	
	6 = normally open NO	
	7 = normally closed NC	

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

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

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

C	Membrane	
	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

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

Options

- 0,xx bar	set point adjustment increasing or decreasing, factory preset
102296	rubber protection cap
011041	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:	guide value $\pm 0,05$ bar at room temperature
Hysteresis*:	guide value: 250mbar, not adjustable
Life cycles, mech.:	$> 1 \times 10^6$
Max. switching frequency:	~ 1 Hz
Temperature range*:	-40...+100°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:	$\sim 0,1$ 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