

Membrane Pressure Switch AF24 – Type PDL:

- Snap action micro switch
- 48V / 2A, higher on request
- Change over contact SPDT
- Elastomer membrane
- Adjustment range: 0,2...16bar
- Max. system pressure
- Preset ex works possible
- Small design
- E-connection Faston 6,3x0,8 alternative M12x1, Deutsch 2-pin or cable outlet

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

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

BBB	Pressure adjustment range
	002 = 0,2...2bar
	008 = 0,5...8bar
	016 = 1...16bar

C	Membrane
	M = NBR -20...+80°C
	T = LowTemperature-NBR -40...+80°C
	E = EPDM -40...+100°C
	F = FVMQ -40...+100°C
	V = Viton 0...+100°C
	S = stainless steel on request

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

E	Fluid connection	
	1 = G1/8"	9 = M10x1
	3 = G1/4"	D = R1/8"
	6 = 1/4NPT	R = R1/4"
	E = 1/8NPT	Z = R3/8"
	K = 7/16-20 UNF	

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

Options

xx,x bar	set point adjustment increasing or decreasing, factory preset
102296	rubber protection cap
011041	1,5m cable with socket M12x1

Order sample: PDL-1-016-V-3-2

Pressure Switch PDL
 Output: SPDT
 Adjustment range: 1...16bar
 Membrane: Viton
 Fluid connection: male G1/4"
 E-connection: M12x1

Technical Data

Construction:	snap action micro switch AF24
Operating fluid:	compressed air, neutral fluids/gases
Mechanical installation:	over fluid connection
Mounting position:	any
Max. system pressure:	60bar
Repeatability:	max. $\pm 2\%$ of full scale at room temperature
Hysteresis*:	guide value: 0,1bar + 5...10% of set point, 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
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 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