



Membrane Pressure Switch AF24 – Type MDL:

- Snap action micro switch
- 48V / 2A, higher on request
- Change over contact SPDT
- Elastomer membrane
- Adjustment range: 1...10bar
- Max. system pressure 200 bar
- Preset ex works possible
- Mounted pressure damper 0,3mm
- Small design
- E-connection Faston 6,3x0,8 alternative M12x1, Deutsch 2-pin or cable outlet

Order code

MDL - 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	

BBB	Pressure adjustment range	
	005	= 1...10bar
	other on request	

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

C	High Pressure Membran	
	P	= NBR -20...+80°C
	T	= LowTemperatur-NBR -40...+80°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

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

Order sample: MDL-1-005-P-3-2

Pressure Switch MDL
Output: SPDT
Adjustment range: 1...10bar
High pressure membrane: NBR
Fluid connection: male G1/4"
E-connection: M12x1

Technical Data

Construction:	snap action micro switch AF24 with high pressure membrane
Operating fluid:	neutral fluids/gases
Mechanical installation:	over fluid connection
Mounting position:	any
Max. system pressure:	200bar
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*:	$-40 \dots +80^\circ\text{C}$ 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 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