



Membrane Pressure Switch AF27 – Type PDC:

- Snap action micro switch
- 250V / 4A
- Change over contact SPDT
- Elastomer membrane
- Adjustment range: 0,2...16bar
- Max. system pressure 60bar
- Preset ex works possible
- Adjustable hysteresis
- Compact design
- E-connection DIN EN 175301-803A including socket, alternative plug M12x1 or cable outlet

**Order code**

**PDC - A - BBB - C - DE - F**

<b>A</b>	<b>Output</b>
	1 = SPDT

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

<b>C</b>	<b>Membrane</b>
	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	

<b>D</b>	<b>Fluid connection material</b>
	without = zinc plated steel S = stainless steel 1.4305

<b>E</b>	<b>Fluid connection</b>
	1 = G1/8" R = R1/4"
	3 = G1/4" D = R1/8"
	H = G1/2" 9 = M10x1
	E = 1/8NPT K = 7/16-20 UNF
6 = 1/4 NPT	

<b>F</b>	<b>Electrical connection</b>
	1 = DIN EN 175301-803A incl. socket
	2 = plug M12x1
5 = cable outlet	

**Options**

<b>xx,x bar</b>	set point adjustment increasing or decreasing, factory preset
<b>011041</b>	1,5m cable with socket M12x1

**Order sample: PDC-1-008-M-3-1**

Pressure Switch PDC  
Output: SPDT  
Adjustment range: 0,5...8bar  
Membrane: NBR  
Fluid connection: male G1/4"  
E-connection: DIN EN 175301-803A incl. socket

## Technical data

Construction:	snap action micro switch SW27
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...20% of set point, adjustable
Life cycles, mech.:	$> 2 \times 10^6$
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; IP67 using plug M12x1 or cable outlet
Weight:	$\sim 0,15\text{kg}$

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

## Electrical connection data – dimensions

	DIN EN 175301-803A		Plug M12x1		Cable output	
	<b>250VAC</b>	<b>24VDC</b>	<b>48VAC</b>	<b>24VDC</b>	<b>250VAC</b>	<b>24VDC</b>
Ohmic load	4A	4A	4A	4A	4A	4A
Inductive load	2A	2A	2A	2A	2A	2A