

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**

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
	V = Viton 0...+100°C

D	Fluid connection material
	without = zinc plated steel
	S = stainless steel 1.4305

E	Fluid connection	
	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	

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

Options

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

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

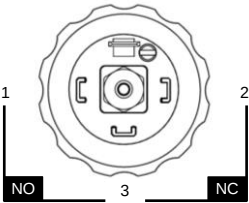
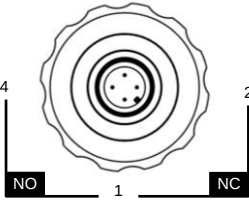
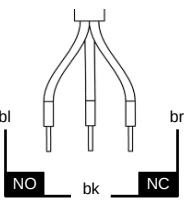
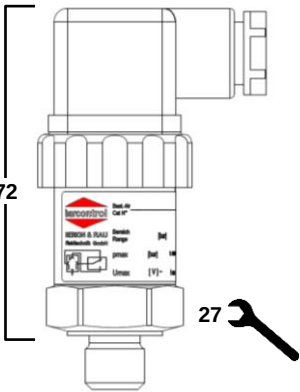
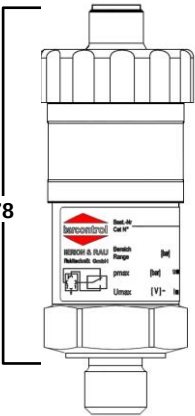
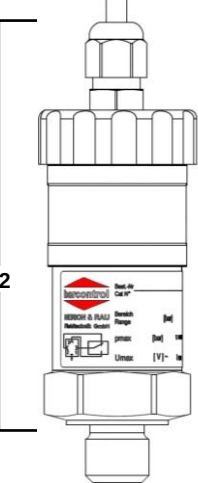
Pressure Switch PDC
 Output: SPDT
 Adjustment range: 0,5...8bar
 Membrane: NBR
 Fluid connection: male G1/4"
 E-connection: DIN EN 175301-803A incl. socket

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 outlet	
						
						
	250 VAC	24 VDC	48 VAC	24 VDC	250 VAC	24 VDC
Ohmic load	4A	4A	4A	4A	4A	4A
Inductive load	2A	2A	2A	2A	2A	2A