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

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

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

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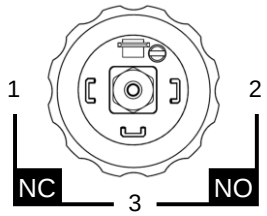
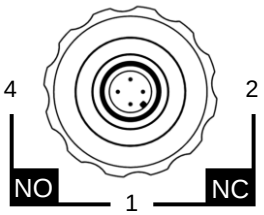
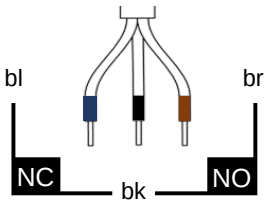
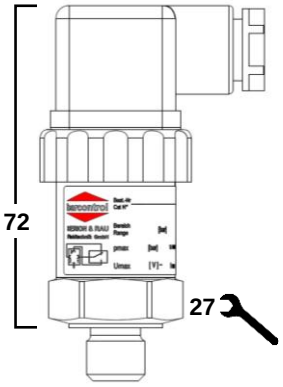
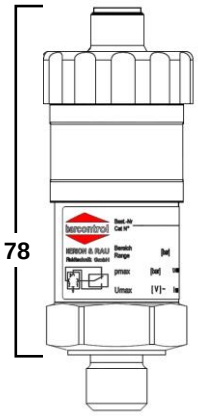
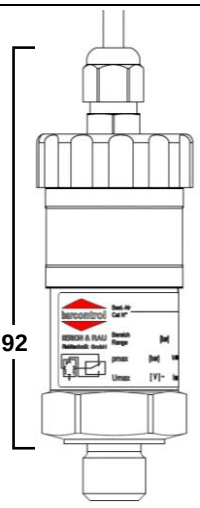
Technical data

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. ±2% of full scale at room temperature
Hysteresis*:	guide value: 0,1bar + 5…20% of set point, adjustable
Life cycles, mech.:	> $2x10^6$
Max. switching frequenzy:	~1Hz
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
Swichting 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:	~0,15kg

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

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