



Membrane Pressure Switch AF27 – Type MDC:

- Snap action micro switch
- 250V / 4A
- Change over contact SPDT
- Elastomer membrane
- Adjustment range: 1...10bar
- Max. system pressure 200bar
- Preset ex works possible
- Mounted pressure damper 0,33mm
- Compact design
- E-connection DIN EN 175301-803A including socket, alternative plug M12x1 or cable outlet

Order code

MDC - A - BBB - C - DE - F

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

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

C	High pressure membrane	
	P = NBR	-40...+80°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 pre-set
011041	1,5m cable with plug M12x1

Order sample: MDC-1-005-M-3-1

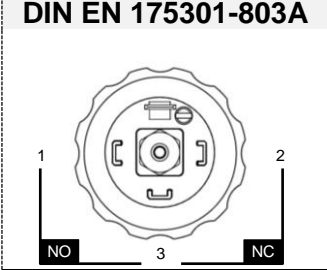
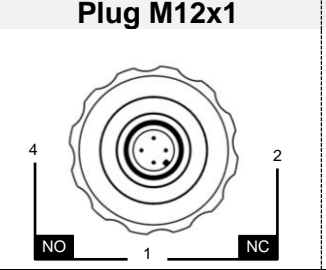
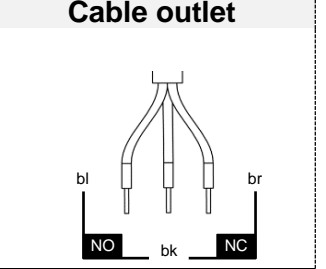
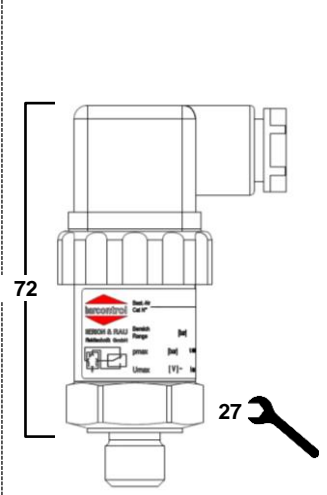
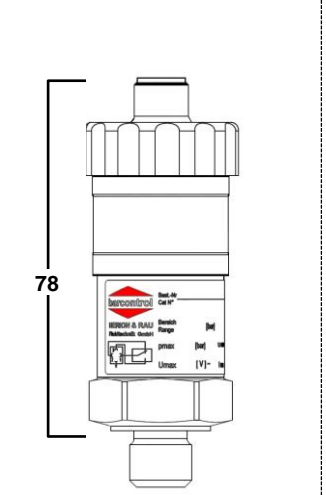
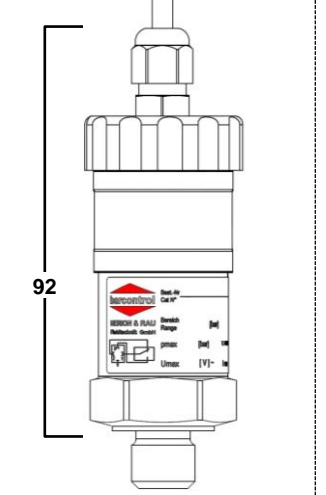
Pressure Switch MDC
Output: SPDT
Adjustment range: 1...10bar
High pressure membrane: NBR
Fluid connection: male G1/4"
E-connection: DIN EN 175301-803A incl. socket

Technical data

Construction:	snap action micro switch SW27 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: 0,4bar + 5...20% of set point, adjustable
Life cycles, mech.:	$> 2 \times 10^6$
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
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