

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

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

C	Membrane
	P = NBR -20...+80°C
	T = LowTemperature-NBR -40...+80°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"
	6 = 1/4 NPT	9 = M10x1
	E = 1/8NPT	K = 7/16-20 UNF

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: 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 output	
	250VAC	24VDC	48VAC	24VDC	250VAC	24VDC
Ohmic load	4A	4A	4A	4A	4A	4A
Inductive load	2A	2A	2A	2A	2A	2A