



Stainless steel membrane Pressure Switch:

- Snap action micro switch with self-cleaning solid silver rivets
- 250V / 4A
- Change over contact SPDT
- Stainless steel membrane material 1.4404
- Switching range: 0,2...20bar
- Max. system pressure 60bar
- Factory Switch Point setting
- Temperature range: -55°C up to +100°C
- E-connection DIN EN 175301-803A incl. socket, alternative plug M12x1 or cable outlet

**Order code**

**FDC - A - BBB - C - DE - F**

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

BBB	Set point	
	factory setting between 0,2...20bar	

C	Membrane	
	S = stainless steel	1.4404

D	Fluid connection material	
	without = zinc plated steel	
	S = Stainless steel 1.4305 / ANSI 303	

E	Fluid connection	
	1 = G1/8"	3 = G1/4"
	D = R1/8"	R = R1/4"
	E = 1/8NPT	6 = 1/4NPT
	T = M10x1 (12,5mm) $\phi=8,0$ with sintered filter	
	U = M10x1 (20mm) $\phi=8,0$ with sintered filter	
	W = M10x1 (12,5mm) $\phi=8,3$ with sintered filter	
	N = M10x1 (20mm) $\phi=8,3$ with sintered filter	

F	Electrical connection	
	1 = DIN EN 175301-803A incl. socket	
	2 = plug M12x1	
	5 = cable output, L=0,5m	

**Options**

<b>011041</b>	2m cable with socket M12x1
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Order sample: FDC-1-020-S-3-1

Set point: **10 bar**

falling

rising

FDC: Pressure Switch type FDC

6: Output: SPDT

020: Adjustment range: factory setting

S: Membrane: stainless steel

3: Fluid connection: male G1/4"

1: E-connection: DIN EN 175301-803A incl. socket

Set point: 10bar falling

## Technical data

Construction:	snap action micro switch SW27
Operating fluid:	compressed air, neutral fluids/gases, most fire extinguisher agents
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.:	$> 5 \times 10^4$
Max. switching frequency:	$\sim 1\text{Hz}$
Temperature range:	$-55 \dots +100^\circ\text{C}$
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 rivets
Contact rivets:	solid silver, optional gold plated
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*  
Subject to technical alternations!

## Electrical connection data – dimensions

M10x1 Sintered filter	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	