



Stainless Steel Membrane Pressure Switch:

- Snap action micro switch with self-cleaning solid silver rivets
- 48V / 2A
- 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 Faston, M12x1, Deutsch DT04-2P or cable output

Order code

FDL - 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	
	3 = Faston 3x6,3x0,8	
	2 = plug M12x1	
	4 = Deutsch DT04-2P	
	5 = cable output, L=0,5m	

Options

011041	2m cable with socket M12x1
102296	Rubber protection cap

Order sample: FDL-6-020-S-T-5

Set point: **10 bar**

- falling
 rising

FDL: Pressure Switch type FDL
6: Output: normally open NO
020: Adjustment range: factory setting
S: Membrane: stainless steel
T: Fluid connection: M10x1 (12,5mm) $\phi=8,0$ with sintered filter
5: E-connection: cable output
Cable: L=0,5m, PVC, 2-wire

Set point: 10bar falling

Technical data

Construction:	snap action micro switch SW24
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...10% of set point, not 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:	IP00 acc. to DIN EN 60529 IP67 using plug M12x1, DT04-2P or cable outlet
Weight:	$\sim 0,1\text{kg}$

please contact the technical support for alternative or special requirements
Subject to technical alternations!

Electrical connection data – dimensions

M10x1 Sintered filter	Faston 6,3x0,8		M12x1		Cable outlet		Deutsch DT04-2P	
	48 VAC	24 VDC	48 VAC	24 VDC	48 VAC	24 VDC	48 VAC	24 VDC
Ohmic load	2 A	2 A	2 A	2 A	2 A	2 A	2 A	2 A
Inductive load	2 A	1 A	2 A	1 A	2 A	1 A	2 A	1 A