



### Membrane Pressure Switch AF30 - Type PDS:

- Snap action micro switch
- 250V / 6A
- Change over contact SPDT
- Elastomer membrane
- Adjustment range: 0,2...16bar
- Max. system pressure 60bar
- Preset ex works possible
- Easy adjustment via adjustment knob
- Rugged design
- E-connection DIN EN 175301-803A or M12x1
- Female thread or flange connection

#### Pressure switch, electrical connection with plug connector, type A acc. to DIN 43650

Article No.	Type No.	Connection	Adjustment range bar
103030	DS 5811	G 1/4	0.2 - 2
103031	DS 5812	G 1/4	0.5 - 8
103032	DS 5813	G 1/4	1 - 16

#### Pressure switch, electrical connection M12x1

Article No.	Type No.	Connection	Adjustment range bar
103033	DS 5821	G 1/4	0.2 - 2
103034	DS 5822	G 1/4	0.5 - 8
103035	DS 5823	G 1/4	1 - 16

#### Accessories / spare parts

Article No.	Type No.	Description
101635	PVZ 10	M12 angle cable socket, 5-pin, with screw terminals
101636	PVZ 11	Power supply cable 2 m, 5 x 0.25 mm <sup>2</sup>
100282	1920.11P4	Coupling socket for pressure switch

**Technical Data**

Construction:	snap action micro switch AF30
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...10% of set point, not adjustable
Life cycles, mech:	> 5x10 <sup>6</sup>
Max. switching frequency:	~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
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 EN 60529:	IP65 using DIN EN 175301-803A, IP67 using M12x1
Weight:	~0,3kg

\* please contact the technical support for alternative or special requirements regarding hysteresis and temperature  
Subject to technical alternations!

**Electrical connection data – dimensions**

	Dimension: G1/4 female		Horizontale flange connection	
	<b>DIN EN 175301-803A</b>	<b>M12x1</b>		
	<b>250VAC</b>	<b>24VDC</b>	<b>48VAC</b>	<b>24VDC</b>
ohmic load	6A	3A	4A	3A
Inductive load	1A	1A	1A	1A