

Construction	snap action micro switch AF30
Operating fluid	compressed air, neutral fluids/gases
Mounting holes	2 through-holes in housing, \varnothing 5.2 mm
Fluid connection	G 1/4", Flange
Mounting position	optional
Operating pressure range	0.2...2 bar 0.5...8 bar 1...16 bar
Max. system pressure	60 bar
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	$> 5 \times 10^6$
Max. switching frequency	\sim 1Hz
Temperature range	-20 °C to 80 °C
Vibration resistance	10g (10 ... 2000Hz) sinus acc. to ISO 16750-3
Shock resistance	30g, 14ms shaped sinus acc. to DIN 40046, T7
Electrical connection	Acc. to DIN 43650, Type A (EN175301-803, ISO4400); M12x1
Switch element	Spring-snap switcher with self-cleaning contacts
Operating voltage at operating category	AC12: VDE0660 (EN60947): 4A at 250 VAC AC14: VDE0660 (EN60947): 1A at 250 VAC DC12: VDE0660 (EN60947): 3A at 28 VDC DC14: VDE0660 (EN60947): 1A at 28 VDC
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
Material	Housing: Zinc pressure die-cast; Adjustment knob: Coated aluminium; Seals/Diaphragm: NBR
Weight	0.295 kg

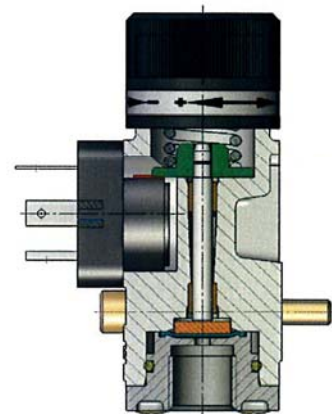
Features

With the Pressure Switches Series PDS pneumatic (hydraulic) signals are changed into electrical signals. The switching point is fully adjustable by means of a simple adjusting knob within the operating pressure range (see Technical Data → Operating Pressure Range).

The built-in micro switch can be used to open, close or change the circuit.

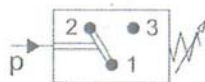
The pressure switches are intended for use under normal industrial conditions. Models for use in special environmental conditions, as well as other special setting requirements are available by request.

Sockets with or without LEDs can be supplied as accessories.

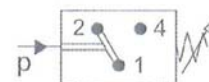


Contact Arrangement / Circuit Symbols

DIN 43650:

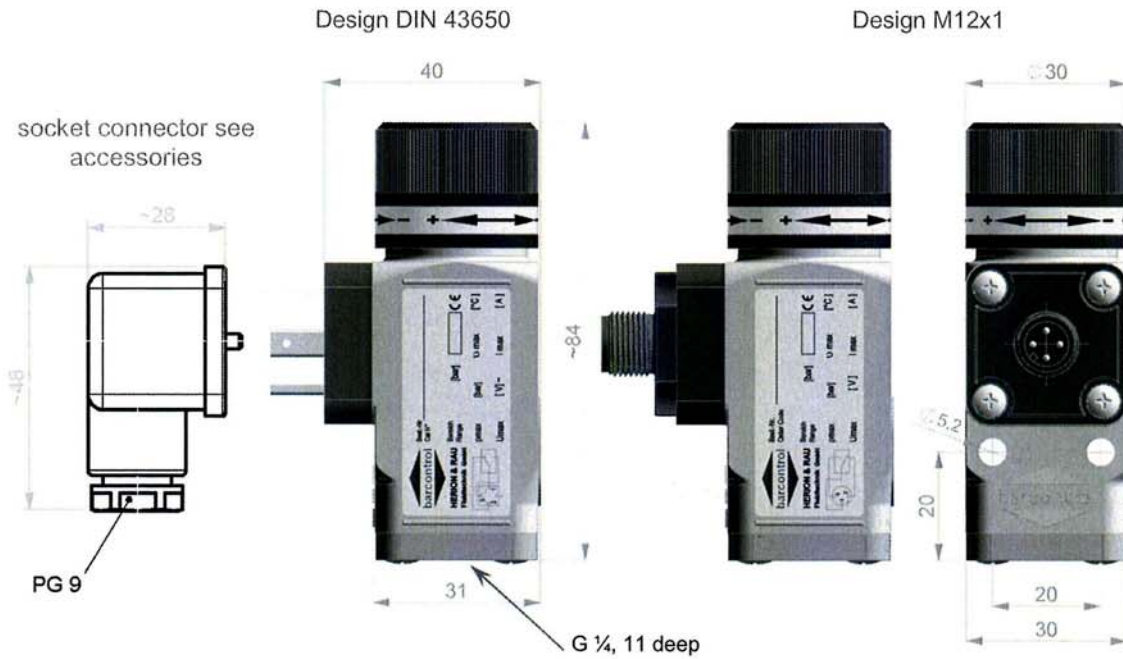


M12x1:



* please contact the technical support for alternative or special requirements regarding hysteresis and temperature.

Fluid Connection: G 1/4"



Fluid Connection: Flange



Switching Pressure Difference

