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8-02 Subject to change



Series VZ

Technical details

Temperature range -10°C ... +70°C

Medium

Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive

additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.

Materials Body: Al (anodized), seals: NBR and POM,

inner parts: Al, stainless steel and brass



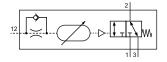
This valve may be used either normally open or normally closed.

Normally closed: pressure inlet port 1 (P).

Normally open: pressure inlet port 3 (R).

A signal arriving at 12 (Z) switches the flow of the valve from 1 (P) to 2 (A) and closes port 3 (R) after the set time has expired. Instead of supplying main pressure to either port 1 or 3, the branched signal line can be connected to 1 or 3. The signal line to port 1 or 3 must not be longer than the signal line to port 12.

3/2-way valves



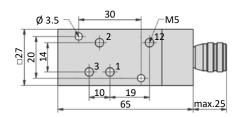
VZ 3/2-way, single pilot, mechanical spring return, adjustable time delay

Technical data

Model-no.:	VZ-25-310	VZ-18-310	VZ-18-310-20
Connection	M5	G1/8	G1/8
Nominal size (mm)	3.2	6	6
Operating pressure (bar)	3 10	3 10	3 10
Pilot pressure (bar)	3 10	3 10	3 10
Time range (s)	0.25 5	0.5 10	1 20
Flow rate (NI/min)	160	600	600
Weight (kg)	0.135	0.360	0.360

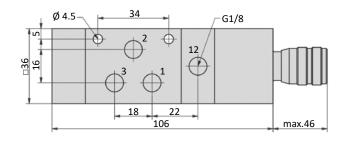
Dimensions

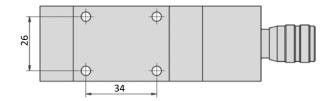
VZ-25-310



- 1 = pressure inlet
- 2 = outlet
- 3 = exhaust
- 12 = signal port

VZ-18-310, VZ-18-310-20





Series SZ



Technical details

Temperature range -10°C ... +70°C

Medium

Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.

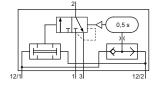
Body: Al (anodized), seals: NBR and POM, **Materials** inner parts: Al, stainless steel and brass

The valve operates after two input signals at 12 arriving within 0.5 s.

The valve is actuated as long as the signals continue. If the input signals do not arrive within 0.5 s, the valve does not operate. Both signals must be reset before the valve switches back on.

This part is no safety device in the sense of the MRL 2006/42/EG.





SZ-18-310 two-signal controls, 3/2-way



5/2-way valve

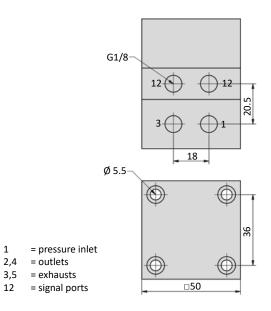
SZ-14-510 two-signal controls, 5/2-way

Technical data

Model-no.:	SZ-18-310	SZ-14-510
Connection	G1/8	G1/4
Nominal size (mm)	4	8
Operating pressure (bar)	4 10	4 10
Pilot pressure (bar)	4 10	4 10
Flow rate (NI/min)	280	1300
Weight (kg)	0.360	0.825

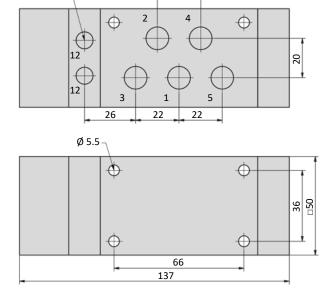
Dimensions

SZ-18-310



SZ-14-510

G1/8



8-05



Series SZS

Technical details

Temperature range

-10°C ... +70°C

Medium

Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.

Materials Body: Al (anodized), seals: NBR and POM,

inner parts: Al, stainless steel and brass

The valve operates after two input signals at 12 arriving within 0.5 s.

The valve is actuated as long as the signals continue.

If the input signals do not arrive within 0.5 s, the valve does not operate.

Both signals must be reset before the valve switches back on.

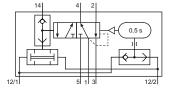
In addition, it has a self-locking device. A signal to 14 actuates

the two-signal-control as a standard 5/2-valve. When the signal at 14 ends, the valve resets.



This part is no safety device in the sense of the MRL 2006/42/EG.

5/2-way valve



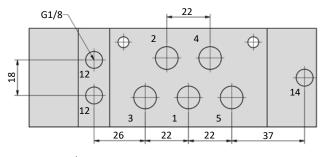
SZS-14-510 two-signal controls, 5/2-way

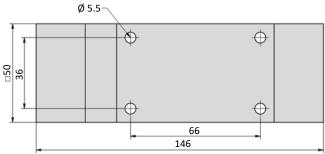
Technical data

Model-no.:	SZS-14-510
Connection	G1/4
Nominal size (mm)	8
Operating pressure (bar)	4 10
Pilot pressure (bar)	4 10
Flow rate (NI/min)	1300
Weight (kg)	0.885

Dimensions

SZS-14-510





1 = pressure inlet

2,4 = outlets

3,5 = exhausts

12 = signal ports14 = signal port

Series SU



Technical details

Temperature range

-10°C ... +70°C

Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.

Materials

Body: Al (anodized), seals: NBR and POM, inner parts: Al, stainless steel and brass



3/2-way one-shot valve. It converts a continuous pneumatic signal into a 0.3 s pulse.

3/2-way valve



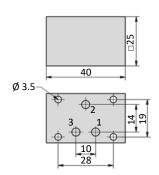
SU-25-310 signal interrupter, 3/2-way

Technical data

Model-no.:	SU-25-310
Connection	M5
Nominal size (mm)	3.2
Operating pressure (bar)	3 10
Pilot pressure (bar)	3 10
Duration of pulse (s)	0.3
Reset time (s)	0.1
Flow rate (NI/min)	160
Weight (kg)	0.063

Dimensions

SU-25-310



- 1 = pressure inlet
- 2 = outlet
- 3 = exhaust

8-06 Subject to change



Series SUZ

Technical details

Temperature range

-10°C ... +70°C

Medium

Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.

Materials Body: Al (anodized), seals: NBR and POM,

inner parts: Al, stainless steel and brass



The valve is interrupting a permanent pneumatic signal and provides an impulse. The duration of the impulse is adjustable. Not activated, the incoming air at port 1 has free flow to port 2. Depending on the adjusted time at the adjusting screw (see drawing below). the valve will change position, closing using the model SUZ-18-210-H, or air is vented from port 2 to port 3 using model

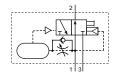
The valve will maintain this position until there is A new air signal at port one. This will switch the valve back to the NO position and keeps it open based on the adjusted time setting.

Operating the manual override is switching the valve back to its NO position.

2/2-way valve

SUZ-18-210-H signal interrupter, 2/2-way, adjustable time delay,

manual override non-detend



3/2-way valve

SUZ-18-310-H signal interrupter, 3/2-way, adjustable time delay, manual override non-detend

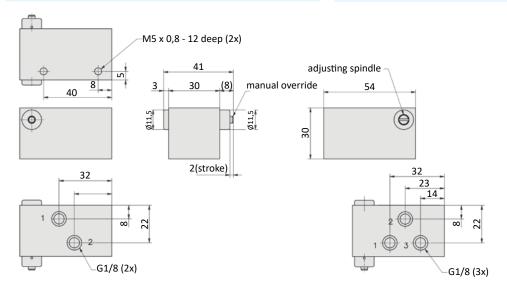
Technical data

Model-no.:	SUZ-18-210-H	SUZ-18-210-H
Connection	G1/8	G1/8
Nominal size (mm)	6	5,3
Operating pressure (bar)	3 10	3 10
Pilot pressure (bar)	3 10	3 10
Duration of pulse (s)	0,3 5	0,3 5
Reset time (s)	0,1	0,1
Flow rate (NI/min)	500	480
Weight (kg)	0,135	0,135

Dimensions

SUZ-18-210-H

SUZ-18-310-H



= pressure inlet 1

2 = outlet

= exhaust

8-07

Series OR



Technical details

Temperature range -

-10°C ... +70°C

Medium

Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.

Materials Body: Al (anodized), seals: NBR,

inner parts: stainless steel and brass





Output signal is present if one inlet is pressurized. The higher input signal (min. difference 0.2 bar) is dominant.

OR valves



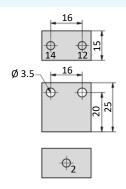
OR-xx OR valve

Technical data

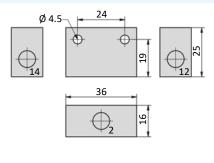
Model-no.:	OR-25	OR-18	OR-14-01
Connection	M5	G1/8	G1/4
Nominal size (mm)	3.2	4	5.5
Operating pressure (bar)	-0.95 10	-0.95 10	-0.95 10
Min. difference (bar)	0.2	0.2	0.2
Flow rate (NI/min)	160	280	900
Weight (kg)	0.026	0.038	0.110

Dimensions

OR-25

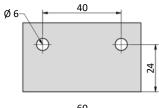


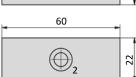
OR-18

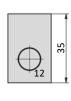


OR-14-01









12, 14 = signal input 2 = signal output



Series AN

Technical details

Temperature range

-10°C ... +70°C

Medium

Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.

Materials

Body: Al (anodized), seals: NBR, inner parts: stainless steel and brass

SIMER AN-25



Output signal at port 2 is present if both inlets 12 and 14 are pressurized. If both pressures are different (min. 0.2 bar), the lower pressure is switched to 2.

AND valves

14 12

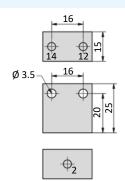
AN-xx AND valve

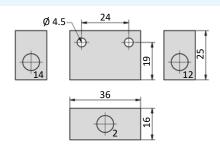
Technical data

Model-no.:	AN-25	AN-18
Connection	M5	G1/8
Nominal size (mm)	3.2	4
Operating pressure (bar)	-0.95 10	-0.95 10
Min. difference (bar)	0.2	0.2
Flow rate (NI/min)	160	280
Weight (kg)	0.026	0.038

Dimensions

AN-25 AN-18





12, 14 = signal input 2 = signal output

Series SE



Technical details

Temperature range -10°C ... +70°C Medium Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature. Materials Body: Al (anodized), seals: NBR $\langle \epsilon_{\rm X} \rangle$ Valves in accordance with 2014/34/EU (ATEX) available. (Chapter 13)



, 65

untec -SE-14

A quick exhaust valve is used to increase the speed of a pneumatic cylinder. The flow from the control valve to the cylinder ports is unrestricted. If valve port 1 is de-pressurized, air is exhausted from 2 to 3.

SE valves



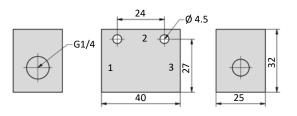
quick exhaust valve

Technical data

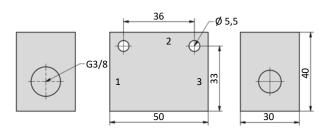
Model-no.:	SE-18	SE-14	SE-12
Connection	G1/8	G1/4	G1/2
Nominal size 1-2 (mm)	5	7	12
Nominal size 2-3 (mm)	8	10	16
Flow rate 1-2 (NI/min)	600	1200	2800
Flow rate 2-3 (NI/min)	1200	2400	5600
Operating pressure (bar)	0.5 10	0.5 10	0.5 10
Weight (kg)	0.070	0.125	0.310

Dimensions

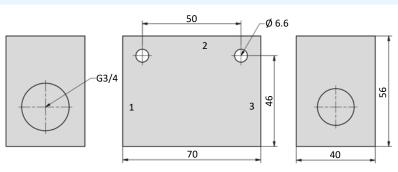
SE-18



SE-14



SE-12



- = inlet from valve 2
 - = outlet to cylinder
- = exhaust



Series DR

Technical details

Temperature range

-10°C ... +70°C

Medium

Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.

Materials Body: Al (anodized), seals: NBR





This valve is used for the speed control of a pneumatic cylinder. The flow rate can be regulated by turning the adjusting screw.

DR valves



DR-xx

flow control valve

Technical data

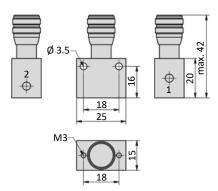
Model-no.:	DR-25	DR-18	DR-14	DR-10
Connection	M5	G1/8	G1/4	G1/2
Nominal size 1-2 (mm)	0.5 1.5	0.5 2	1 5	1 7
Nominal size 2-1 (mm)	2.5	4.5	7.5	11
Flow rate 1-2 (NI/min)	5 40	5 90	50 600	50 600
Flow rate 2-1 (NI/min)	120	480	1300	1400
Operating pressure (bar)	0.5 10	0.5 10	0.5 10	2 10
Weight (kg)	0.034	0.040	0.098	0.215

Series DR

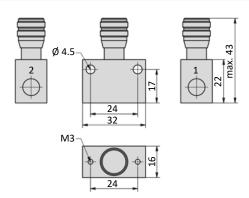


Dimensions

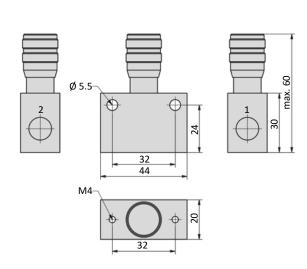
DR-25



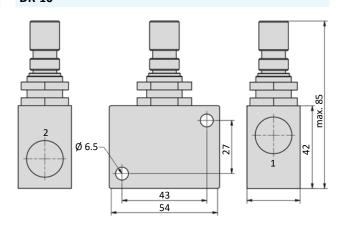
DR-18



DR-14



DR-10



- 1 = inlet
- 2 = outlet



Technical details

Temperature range 0°C ... +50°C

Medium

Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.

Materials Body: Al (anodized), plastic, seals: NBR, inner parts: Al, steel

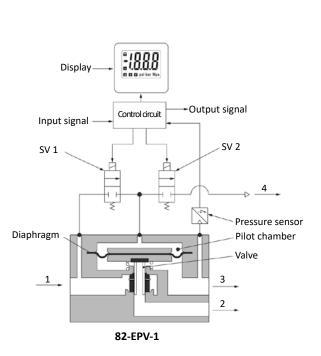
and brass

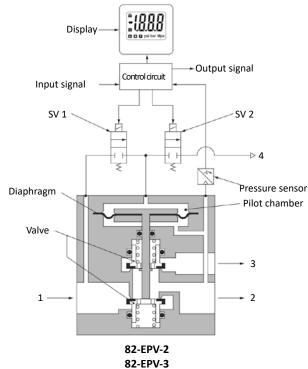


Function

With an increasing input signal, the solenoid valve SV1 (air supply) is switched ON while at the same time the solenoid valve SV2 (air exhaust) remains closed. Air is supplied to the pilot chamber. The pressure in the pilot chamber increases and is applied to the upper side of the membrane. The valve which is connected to the membrane opens, and air flows towards the valve outlet. The outlet pressure is monitored by a pressure sensor which transmits a corresponding electrical signal to the control circuit. The control circuit adjusts the valve so that the outlet pressure is proportional to the input pressure.

The pressure sensor continually controls the outlet pressure and keeps it proportional to the inlet pressure.

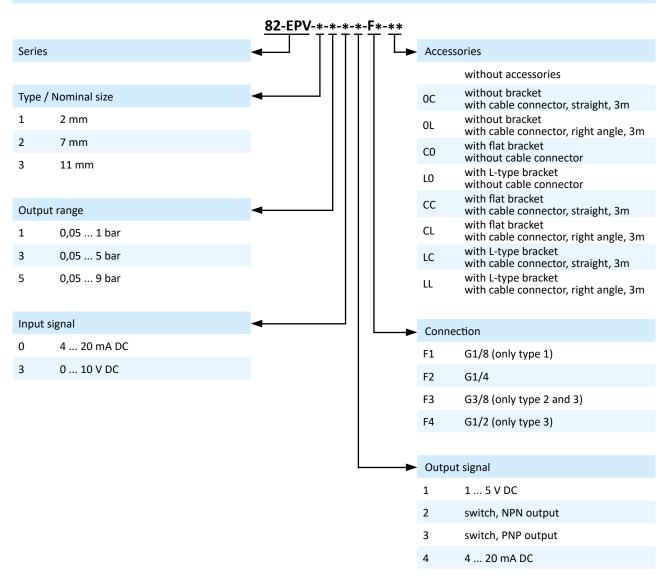




- 1 = pressure inlet
- 2 = outlet
- 3 = exhaust
- 4 = exhaust



Order code



Accessories

82-EPV-MB-L Model-no.: Model-no.: 86-ST-EPV-C-3 L-type bracket



82-EPV-MB-C Flat bracket



Cable connector, straight, 3m



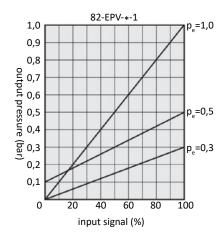
Model-no.:

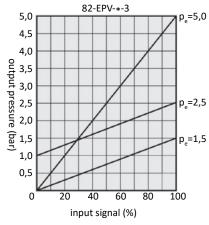


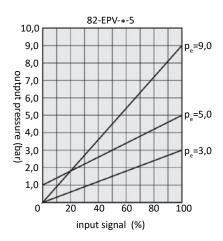
Technical data

Model-no.:	82-EPV-1-1 82-EPV-2-1 82-EPV-3-1	82-EPV-1-3 82-EPV-2-3 82-EPV-3-3	82-EPV-1-5 82-EPV-2-5 82-EPV-3-5			
Input range (bar)	1 2	1 10	1 10			
Output range (bar)	0,05 1	0,05 5	0,05 9			
Input signal		0 10 V or 4 20 mA				
Input impedance	ca. 6,5 kΩ (0 10 V) ≤ 250 Ω (4 20 mA)					
Output signal (analog)		0 5 V or 4 20 mA				
Output signal (switch)	NPN or PNP (max. 30 V, 80 mA)					
Repeatability	± 0,5% (full span)					
Linearity		± 1% (full span)				
Hysteresis		0,5% (full span)				
Temperature characteristics		2% (full span)/K				
Display precision		± 2% (full span)				
Electrically connection		M12-plug, 4-pin				
Nominal voltage		24 V DC ± 10%				
Power consumption	max. 3 W					
Protection	IP 65 according to EN 60529					
82-EPV-1		0,25				
Weight (kg) 82-EPV-2		0,37				
82-EPV-3		0,66				

Linearity



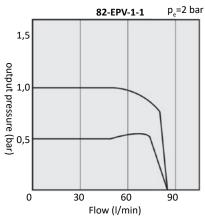


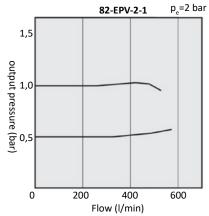


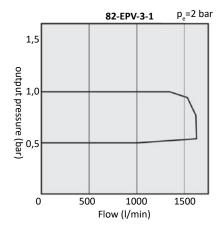


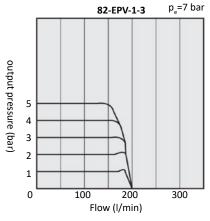
Technical data

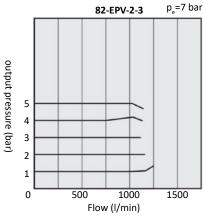
Flow characteristics

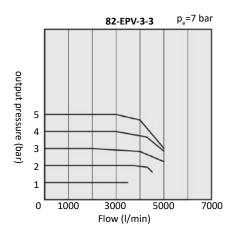


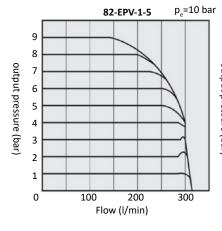


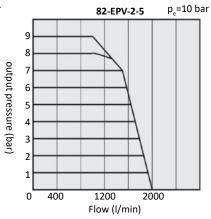


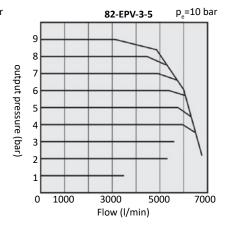










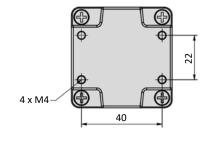


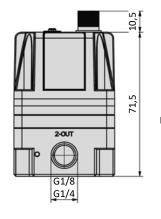
8-16 Subject to change

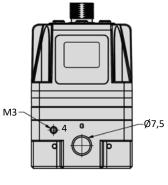


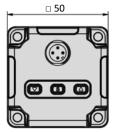
Dimensions

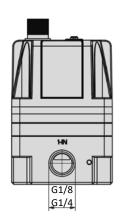
82-EPV-1

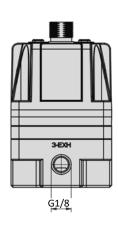






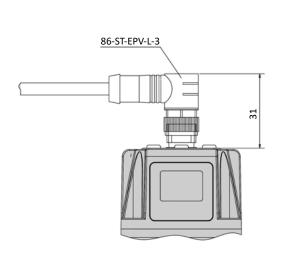


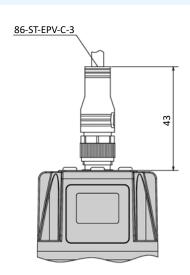




- 1 = pressure inlet
- 2 = outlet
- 3 = exhaust
- 4 = exhaust

Cable connector

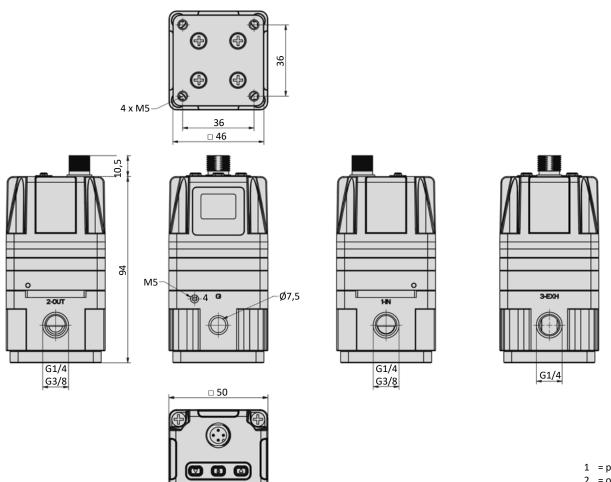






Dimensions

82-EPV-2



1 = pressure inlet

2 = outlet

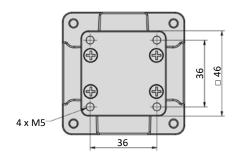
3 = exhaust

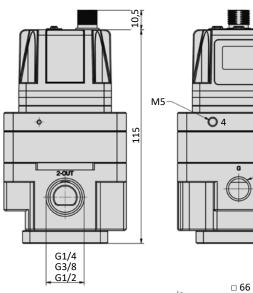
4 = exhaust

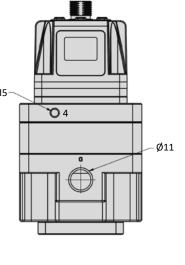


Dimensions

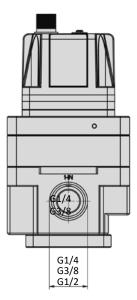
82-EPV-3

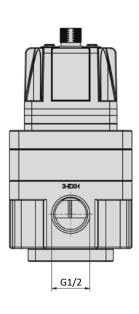






© 6 6







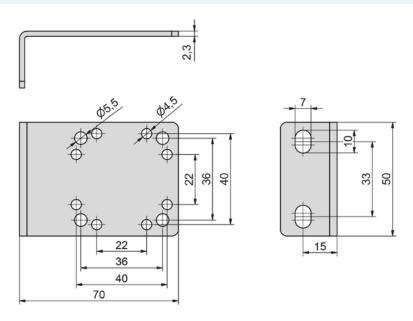
2 = outlet

3 = exhaust 4 = exhaust

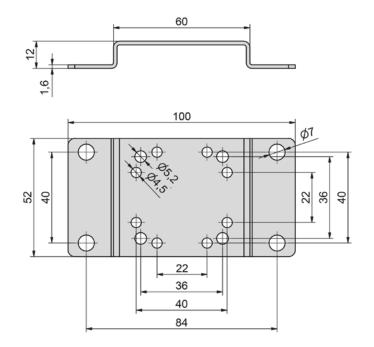


Dimensions

Bracket 82-EPV-MB-L



Bracket 82-EPV-MB-C



8-20 Subject to change



Technical details

Temperature range

0°C ... +50°C

Medium

Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.

Materials Body: plastic, seals: NBR,

pressure connector: brass, zinc plated

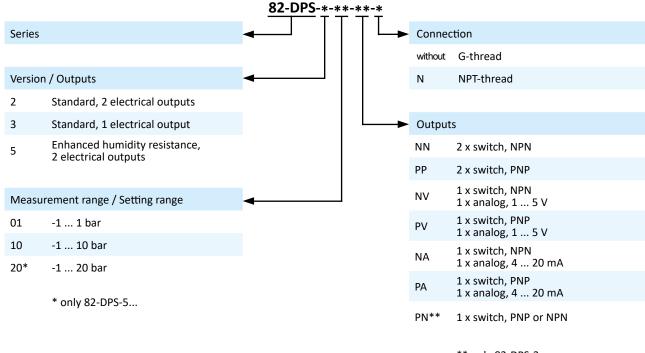


Function

Adjustable, digital pressure switch with 2 colour LCD display. The pressure provides a wide range of output options (see table below).

The 2m connection cable is included.

Order code



** only 82-DPS-3...



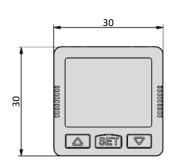
Technical data

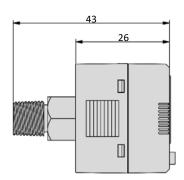
Model-no.: 82-DPS- Measurement range (bar) 2-10-PN 2-10-PN 3-01-xx 3-10-xx 5-10-xx 5-20-xx Measurement range (bar) -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1 1 -1								
Setting range (bar)-1 1-1 10-1 1-1 10-1 1-1 10-1 1-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1 10-1	Model-no.: 82-DPS-	2-01-PN	2-10-PN	3-01-xx	3-10-xx	5-01-xx	5-10-xx	5-20-xx
Withstand pressure (bar) 5 15 5 15 3 30 30 Output signal (switch) NN: 2 x NPN, PP: 2 x PNP, Nx: 1 x NPN, Px: 1 x PNP NPN or PNP NN: 2 x NPN, PP: 2 x PNP, Nx: 1 x NPN, Px: 1 x PNP Switch function NO or NC (programmable) Output modus hysteresis mode, window comparator mode, output off Max. load current 80 mA 28 V Voltage drop ≤ 1 V 80 mA Response time (ms) adjustable: 2,5, 20, 100, 500, 1000, 2000 Short-circuit protection yes xV: 1 5 V, load impedance ≥ 1 kΩ xA: 4 20 mA, load impedance ≥ 1 kΩ xA: 4 20 mA, load impedance ≥ 400 Ω AV: 1 5 V, load impedance ≥ 400 Ω load impedance ≥ 400 Ω Load impedance ≥ 400 Ω AV: 1 5 V, load impedance ≥ 400 Ω load impedance ≥ 400 Ω AV: 1 5 V, load impedance ≥ 400 Ω Load impedance ≥ 400 Ω AV: 1 5 V, load impedance ≥ 400 Ω Load impedance ≥ 400 Ω AV: 1 5 V, load impedance ≥ 400 Ω Load impedance ≥ 400 Ω AV: 1 5 V, load impedance ≥ 400 Ω AV: 1 5 V, load impedance ≥ 400 Ω AV: 1 5 V, load impedance ≥ 400 Ω AV: 1 5 V, load impedance ≥ 400 Ω AV: 1 5 V, load impedance ≥ 400 Ω AV: 1 5 V, load impedance ≥ 400 Ω AV: 1 5 V, load impedance ≥	Measurement range (bar)	-1 1	-1 10	-1 1	-1 10	-1 1	-1 10	-1 20
Output signal (switch) NN: 2 x NPN, PP: 2 x PNP, Nx: 1 x PNP NPN or PNP NN: 2 x NPN, PP: 2 x PNP, Nx: 1 x PNP Switch function NO or NC (programmable) Output modus hysteresis mode, window comparator mode, output off Max. load current 80 mA Voltage drop \$\frac{1}{2}\$ V Response time (ms) adjustable: 2,5, 20, 100, 500, 1000, 2000 Short-circuit protection yes $xV: 1 5 V$, load impedance \$\geq 1 k\Omega\$ xA: 4 20 mA, load impedance \$\geq 1 k\Omega\$ xA: 4 20 mA, load impedance \$\geq 400 \Omega\$ Display accuracy \$\frac{1}{2}\$ % full span (at 25°C) Temperature characteristics \$\frac{1}{2}\$ % full span (0 50°C) Hysteresis mHg, psi, bar, MPa, kPa Pressure units mHg, psi, bar, MPa, kPa Display 2-line LCD-display, four digit, 1.line red/green, 2.line orange single-line LCD-display, four digit, red/green, output status display Electrical connection flat plug, 5-pin round plug with bayonet coupling, 5-pin	Setting range (bar)	-1 1	-1 10	-1 1	-1 10	-1 1	-1 10	-1 20
Output signal (switch) Nx: 1 x NPN, Px: 1 x PNP NPN of PNP Nx: 1 x NPN, Px: 1 x PNP Switch function NO or NC (programmable) Output modus hysteresis mode, window comparator mode, output off Max. load current 80 mA Voltage drop ≤ 1 V Response time (ms) adjustable: 2,5, 20, 100, 500, 1000, 2000 Short-circuit protection yes $xV: 15V$, load impedance ≥ 1 kΩ xA: 4 20 mA, load impedance ≥ 1 kΩ xA: 4 20 mA, load impedance ≤ 400 Ω 1 load impedance ≤ 400 Ω Display accuracy ± 2% full span (at 25°C) Temperature characteristics ± 3% full span (0 50°C) Hysteresis adjustable Pressure units mHg, psi, bar, MPa, kPa Display 2-line LCD-display, four digit, 1.line red/green, 2.line orange single-line LCD-display, four digit, red/green, output status display Electrical connection flat plug, 5-pin round plug with bayonet coupling, 5-pin	Withstand pressure (bar)	5	15	5	15	3	30	30
Output modus hysteresis mode, window comparator mode, output off Max. contact voltage 28 V Max. load current 80 mA Voltage drop ≤1 V Response time (ms) adjustable: 2,5, 20, 100, 500, 1000, 2000 Short-circuit protection yes xV: 1 5 V, load impedance ≥ 1 kΩ xA: 4 20 mA, load impedance ≥ 1 kΩ xA: 4 20 mA, load impedance ≤ 400 Ω xV: 1 5 V, load impedance ≥ 1 kΩ xA: 4 20 mA, load impedance ≤ 400 Ω Display accuracy ± 2% full span (at 25 °C) Temperature characteristics ± 3% full span (0 50 °C) Hysteresis adjustable Pressure units mHg, psi, bar, MPa, kPa Display 2-line LCD-display, four digit, 1.line red/green, 2.line orange single-line LCD-display, four digit, red/green, output status display round plug with bayonet coupling, 5-pin Electrical connection flat plug, 5-pin round plug with bayonet coupling, 5-pin	Output signal (switch)		,	NPN c	or PNP			
Max. contact voltage28 VMax. load current80 mAVoltage drop≤ 1 VResponse time (ms)adjustable: 2,5, 20, 100, 500, 1000, 2000Short-circuit protectionyesOutput signal (analog) $xV: 1 5 V$, load impedance ≥ 1 kΩ xA: 4 20 mA, load impedance ≥ 1 kΩ xA: 4 20 mA, load impedance ≤ 400 ΩDisplay accuracy± 2% full span (at 25°C)Temperature characteristics± 3% full span (0 50°C)HysteresisadjustablePressure unitsmHg, psi, bar, MPa, kPaDisplay2-line LCD-display, four digit, 1.line red/green, 2.line orangesingle-line LCD-display, four digit, red/green, output status display single-line LCD-display, four digit, red/green, output status display round plug with bayonet coupling, 5-pin	Switch function			NO or	· NC (programn	nable)		
Max. load current 80 mA Voltage drop ≤ 1 V Response time (ms) adjustable: 2,5, 20, 100, 500, 1000, 2000 Short-circuit protection yes Output signal (analog) xV: 1 5 V, load impedance ≥ 1 kΩ xA: 4 20 mA, load impedance ≥ 400 Ω xV: 1 5 V, load impedance ≥ 1 kΩ xA: 4 20 mA, load impedance ≤ 400 Ω Display accuracy ± 2% full span (at 25°C) Temperature characteristics ± 3% full span (0 50°C) Hysteresis adjustable Pressure units mHg, psi, bar, MPa, kPa Display 2-line LCD-display, four digit, 1.line red/green, 2.line orange single-line LCD-display, four digit, red/green, output status display single-line LCD-display, four digit, red/green, output status display round plug with bayonet coupling, 5-pin	Output modus		hyste	resis mode, wii	ndow compara	tor mode, outp	ut off	
Voltage drop ≤ 1 V Response time (ms) adjustable: 2,5, 20, 100, 500, 1000, 2000 Short-circuit protection yes $xV: 1 5 V$, load impedance ≥ 1 kΩ xA: 4 20 mA, load impedance ≥ 1 kΩ xA: 4 20 mA, load impedance ≤ 400 Ω $xV: 1 5 V$, load impedance ≥ 1 kΩ xA: 4 20 mA, load impedance ≤ 400 Ω Display accuracy ± 2% full span (at 25°C) Temperature characteristics ± 3% full span (0 50°C) Hysteresis adjustable Pressure units mHg, psi, bar, MPa, kPa Display 2-line LCD-display, four digit, 1.line red/green, 2.line orange single-line LCD-display, four digit, red/green, output status display Electrical connection flat plug, 5-pin round plug with bayonet coupling, 5-pin	Max. contact voltage				28 V			
Response time (ms) adjustable: 2,5, 20, 100, 500, 1000, 2000 Short-circuit protection yes Output signal (analog) xV: 1 5 V, load impedance ≥ 1 kΩ xA: 4 20 mA, load impedance ≤ 400 Ω xA: 4 20 mA, load impedance ≤ 400 Ω Display accuracy ± 2% full span (at 25°C) Temperature characteristics ± 3% full span (0 50°C) Hysteresis adjustable Pressure units mHg, psi, bar, MPa, kPa Display 2-line LCD-display, four digit, 1.line red/green, 2.line orange single-line LCD-display, four digit, red/green, output status display Electrical connection flat plug, 5-pin round plug with bayonet coupling, 5-pin	Max. load current				80 mA			
Short-circuit protectionyesOutput signal (analog)xV: 1 5 V, load impedance ≥ 1 kΩ xA: 4 20 mA, load impedance ≤ 400 ΩxA: 4 20 mA, load impedance ≤ 400 ΩDisplay accuracy± 2% full span (at 25°C)Temperature characteristics± 3% full span (0 50°C)HysteresisadjustablePressure unitsmHg, psi, bar, MPa, kPaDisplay2-line LCD-display, four digit, 1.line red/green, 2.line orangesingle-line LCD-display, four digit, red/green, output status displayElectrical connectionflat plug, 5-pinround plug with bayonet coupling, 5-pin	Voltage drop	≤1 V						
	Response time (ms)	adjustable: 2,5, 20, 100, 500, 1000, 2000						
Output signal (analog) load impedance ≥ 1 kΩ xA: 4 20 mA, load impedance ≤ 400 Ω - load impedance ≥ 1 kΩ xA: 4 20 mA, load impedance ≤ 400 Ω Display accuracy ± 2% full span (at 25°C) Temperature characteristics ± 3% full span (0 50°C) Hysteresis adjustable Pressure units mHg, psi, bar, MPa, kPa Display 2-line LCD-display, four digit, 1.line red/green, 2.line orange single-line LCD-display, four digit, red/green, output status display Electrical connection flat plug, 5-pin round plug with bayonet coupling, 5-pin	Short-circuit protection	yes						
Temperature characteristics Hysteresis Pressure units 2-line LCD-display, four digit, 1.line red/green, 2.line orange Electrical connection ### 3% full span (0 50°C) adjustable mHg, psi, bar, MPa, kPa single-line LCD-display, four digit, red/green, output status display round plug with bayonet coupling, 5-pin	Output signal (analog)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$,	
Hysteresis adjustable Pressure units mHg, psi, bar, MPa, kPa Display 2-line LCD-display, four digit, 1.line red/green, 2.line orange single-line LCD-display, four digit, red/green, output status display round plug with bayonet coupling, 5-pin Electrical connection flat plug, 5-pin round plug with bayonet coupling, 5-pin	Display accuracy	± 2% full span (at 25°C)						
Pressure units 2-line LCD-display, four digit, 1.line red/green, 2.line orange Electrical connection mHg, psi, bar, MPa, kPa single-line LCD-display, four digit, red/green, output status display round plug with bayonet coupling, 5-pin	Temperature characteristics	± 3% full span (0 50°C)						
2-line LCD-display, four digit, 1-line red/green, 2-line orange single-line LCD-display, four digit, red/green, output status display round plug with bayonet coupling, 5-pin	Hysteresis	adjustable						
Display digit, 1.line red/green, single-line LCD-display, four digit, red/green, output status display 2.line orange flat plug, 5-pin round plug with bayonet coupling, 5-pin	Pressure units	mHg, psi, bar, MPa, kPa						
	Display	digit, 1.line red/green, single-line LCD-display, four digit, red/green, output status disp					atus display	
Nominal voltage 12 24 V DC ± 10%	Electrical connection	flat plug, 5-pin round plug with bayonet coupling, 5					oupling, 5-pin	
	Nominal voltage	12 24 V DC ± 10%						
Power consumption max. 40 mA	Power consumption	max. 40 mA						
Protection IP 40 according to EN 60529 IP 65 according to EN 60529	Protection		IP 40 accordin	g to EN 60529		IP 65 a	ccording to EN	60529
Connection G(NPT)1/8 male and M5 female G(NPT)1/4 male and M5 female	Connection	(G(NPT)1/8 male	and M5 femal	e	G(NPT)1	/4 male and M	5 female
Weight (kg) 0,036 0,052	Weight (kg)		0,0)36			0,052	

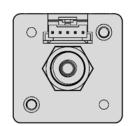
8-22 Subject to change

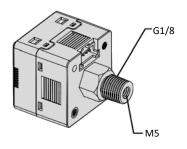


Dimensions 82-DPS-2 and 82-DPS-3



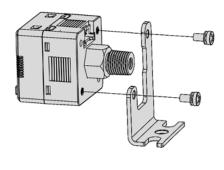


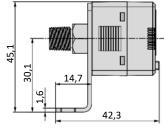


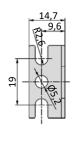


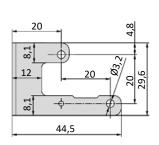
82-DPS-2-3-MB-L

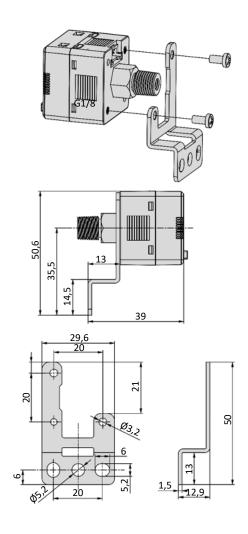
82-DPS-2-3-MB-S







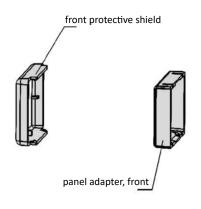


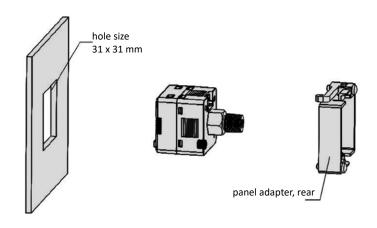




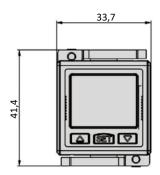
Dimensions

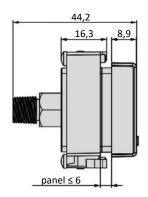
Panel mounting 82-DPS-2 and 82-DPS-3, functional principle





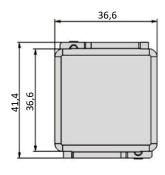
82-DPS-2-3-PM

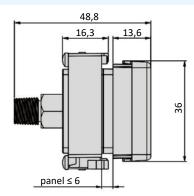


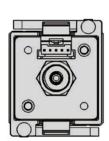




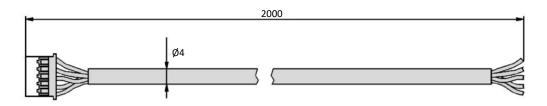
82-DPS-2-3-PMS







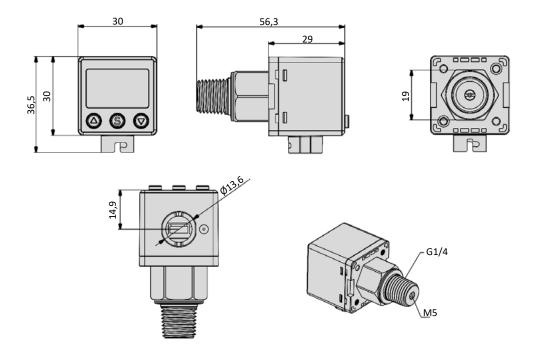
86-ST-DPS-2-3-2



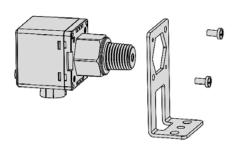
8-24 Subject to change

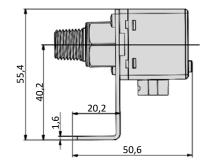


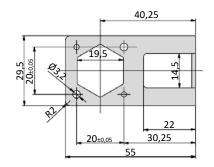
Dimensions 82-DPS-5

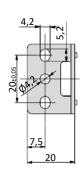


82-DPS-5-MB-L

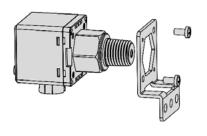


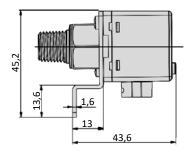


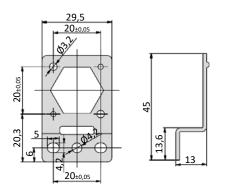




82-DPS-5-MB-S





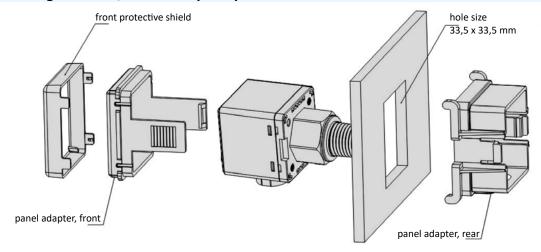


ct to change 8-2

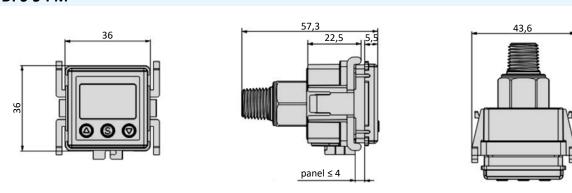


Dimensions

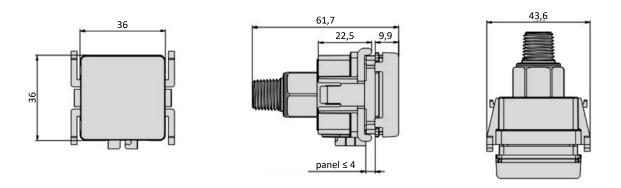
Panel mounting 82-DPS-5, functional principle



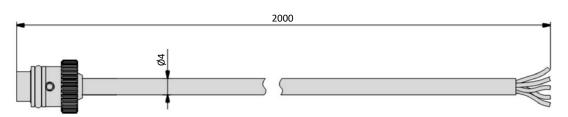
82-DPS-5-PM



82-DPS-5-PMS



86-ST-DPS-5-2



8-26 Subject to change



Accessories

Model-no.: 82-DPS-2-3-MB-L Model-no.: 82-DPS-5-MB-L

> L-type bracket L-type bracket

Model-no.: 82-DPS-2-3-MB-S Model-no.: 82-DPS-5-MB-S

> S-type bracket S-type bracket

Model-no.: 82-DPS-2-3-PM Model-no.: 82-DPS-5-PM

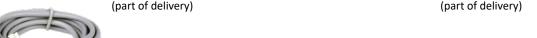
panel mount adapter panel mount adapter

Model-no.: 82-DPS-2-3-PMS Model-no.: 82-DPS-5-PMS

> panel mount adapter with front panel mount adapter with front protective shield protective shield

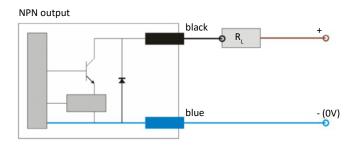
Model-no.: Model-no.: 86-ST-DPS-5-2 86-ST-DPS-2-3-2

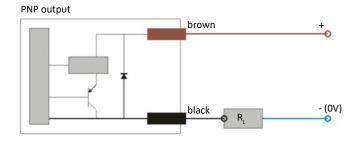
Cable connector, 2m (part of delivery) Cable connector, 2m (part of delivery)

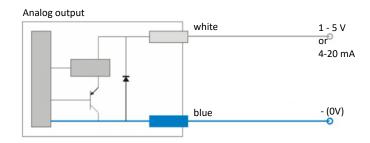


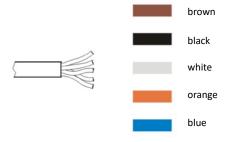


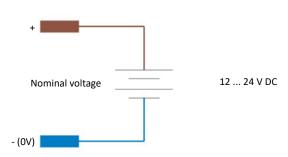
Elektrical connection





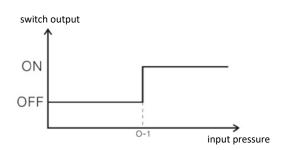




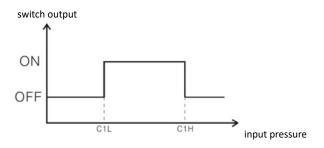


Output function

Hysteresis mode



Window comparator mode



8-28 Subject to change



Series PE

Technical details

Temperature range -10°C ... +80°C

Medium

Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.

Materials Body: Zinc coated steel, seals: NBR (PE-14), FKM (PE-18)





Adjustable diaphragm pressure switch. Optional, the switches are available with a pre-adjusted switching point at 4 bar. The protective cup (PE-18-01) and plug connector (PE-14-01) are included.

Pressure switch



PE pressure switch

Technical data

Model-no.:	PE-18-01		PE-14-01		
Connection	G1/8		G1/4		
Pressure range (bar)	1 10		1 12		
Overpressure safety (bar)	300	300		300	
Repeatability (bar at 20°C)	± 0.5		± 0.3		
Contact function	NO		Change-over contact		
Max. operating voltage	30 V DC	250 V AC	30 V DC	250 V AC	
Max. current	1 A 0.5 A		3 A 1 A		
Protection	IP 65 according to EN 60529		IP 65 according to EN 60529		
Weight (kg)	0.070		0.140		

Dimensions

PE-18-01 PE-14-01

