

Pressure Switches

A comprehensive range of Pressure Switches, providing a range of different options for converting pressure changes into an electrical signal. The range includes electromechanical and electronic switches suitable for pneumatic and all fluid applications.

Off line programming



Strong, versatile



Light, compact, easy to use



Fast Find Guide

Please note: These products represent only part of the IMI Precision Engineering pressure switch range. If you can't see the option you require please contact us.

● Electro-Mechanical Pressure Switches

18D Pneumatic -1 ... 30 bar  EXPRESS Page 495	18D Hydraulic 5 ... 420 bar  EXPRESS Page 496	20D Low pressure, Allfluid and ATEX 0,5 ... 16 bar  Page 497	8D Pneumatic and Hydraulic 0,2 ... 30 bar 5 ... 250 bar  Page 498	M/1339 Pneumatic 0 ... 10 bar  Page 499	04015600 Pneumatic 0 ... 10 bar  Page 500
99D - Mini pressure switch Electro-mechanical 0 ... 10 bar  Page 501					

● Electronic Pressure Switches

33D Pneumatic/Allfluid -1 ... 400 bar  Page 502	40D Pneumatic -1 ... 25 bar  Page 503	51D Pneumatic -1 ... 10 bar  EXPRESS Page 504
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● Pressure Sensors

18S Pneumatic -1 ... 25 bar  Page 505
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ELECTRO-MECHANICAL PRESSURE SWITCH

18D Pneumatic -1 ... 30 bar

- Gold-plated contacts
- High cycle life
- Vibration resistant to 15 g
- Microswitch approved by UL and CSA
- Intrinsically safe operation

Technical Data

Medium:
For filtered, lubricated or non lubricated compressed air, neutral and incombustible gases

Operation:
Diaphragm

Ambient temperature:
-10°C ... +85°C
except for ATEX versions
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Repeatability:
±4%, of full scale

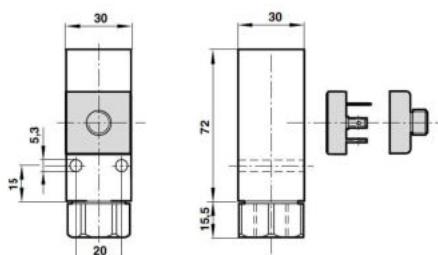
Materials

Housing: Aluminium (brass)
Seals: NBR/FPM

EXPRESS



Dimensions



Options

- Other M12 configurations available
- Other flange options available
- NPT connection thread
- Low temperature versions

Models

Accessories

Standard Model	Pressure range (bar)	Fluid connection	Electrical connection	Switching pressure difference (bar)	Max. over pressure (bar)	Plug	Electrical connector M12 x 1 Straight x 2 m long 90° x 2 m long	
								
0880100000000000	-1 ... 0	G1/4	DIN EN 175301-803 Form A	0,15 ... 0,18	80	—	—	—
0880110000000000	-1 ... 1	G1/4	DIN EN 175301-803 Form A	0,25 ... 0,35	80	—	—	—
0880200000000000	0,2 ... 2	G1/4	DIN EN 175301-803 Form A	0,20 ... 0,35	80	—	—	—
0880300000000000	0,5 ... 8	G1/4	DIN EN 175301-803 Form A	0,35 ... 0,85	80	—	—	—
0880400000000000	1 ... 16	G1/4	DIN EN 175301-803 Form A	0,40 ... 1,20	80	—	—	—
0880600000000000	1 ... 30	G1/4	DIN EN 175301-803 Form A	1,00 ... 5,00	80	—	—	—
0880226000000000*	0,2 ... 4	G1/4	DIN EN 175301-803 Form A	0,20 ... 0,35	80	0570110000000000	—	—
0880326000000000*	0,5 ... 8	G1/4	DIN EN 175301-803 Form A	0,35 ... 0,85	80	0570110000000000	—	—
0880426000000000*	1 ... 16	G1/4	DIN EN 175301-803 Form A	0,40 ... 1,20	80	0570110000000000	—	—
0881100000000000	-1 ... 0	Flange	DIN EN 175301-803 Form A	0,15 ... 0,18	80	—	—	—
0881200000000000	0,2 ... 2	Flange	DIN EN 175301-803 Form A	0,20 ... 0,35	80	—	—	—
0881300000000000	0,5 ... 8	Flange	DIN EN 175301-803 Form A	0,35 ... 0,85	80	—	—	—
0881400000000000	1 ... 16	Flange	DIN EN 175301-803 Form A	0,40 ... 1,20	80	—	—	—
0880160000000000	-1 ... 0	G1/4	M12 x 1	0,15 ... 0,18	80	—	0523057000000000	0523058000000000
0880260000000000	0,2 ... 2	G1/4	M12 x 1	0,20 ... 0,35	80	—	0523057000000000	0523058000000000
0880360000000000	0,5 ... 8	G1/4	M12 x 1	0,35 ... 0,85	80	—	0523057000000000	0523058000000000
0880460000000000	1 ... 16	G1/4	M12 x 1	0,40 ... 1,20	80	—	0523057000000000	0523058000000000

MODELS FOR WATER APPLICATIONS

0880323000000000	0,5 ... 8	G1/4	DIN EN 175301-803 Form A	0,35 ... 0,85	80	0570110000000000	—	—
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MODELS CONFORMING TO ATEX – ZONE 2 AND 22 (Ex II 3G/D)

0880280000000000	0,2 ... 2	G1/4	DIN EN 175301-803 Form A	0,20 ... 0,35	80	0570110000000000	—	—
0880380000000000	0,5 ... 8	G1/4	DIN EN 175301-803 Form A	0,35 ... 0,85	80	—	—	—
0880480000000000	1 ... 16	G1/4	DIN EN 175301-803 Form A	0,40 ... 1,20	80	—	—	—

* Switch is LABS free, plug needs to be ordered separately, all other DIN connector versions include standard connector plug.

ELECTRO-MECHANICAL PRESSURE SWITCH

18D Hydraulic 5 ... 420 bar

- Microswitch with gold plated contacts
- High number of switching cycles
- Vibration resistant to 15 g
- Microswitch approved by UL and CSA
- Intrinsically safe operation

Technical Data

Medium:
For neutral, self lubricating fluids, e.g. hydraulic oil, lube oil, light fuel oil

Operation:
Piston type sensor system

Ambient/Media temperature:
-25°C ... +80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Media viscosity:
Up to 1000 mm²/s

Repeatability:
±4%, of full scale

Materials

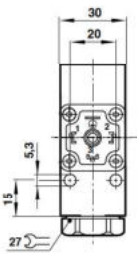
Body: Aluminium/steel
Seals: PTFE, NBR

EXPRESS

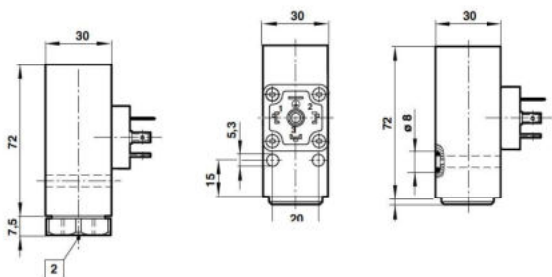


Dimensions

G1/4



Flange



Models

Standard Model	Pressure range (bar)	Fluid connection	Electrical connection	Switching pressure difference (bar)	Max. over pressure (bar)
0882100000000000	5 ... 70	G1/4	DIN EN 175301-803 Form A	10,5 ... 15	400
0882200000000000	10 ... 160	G1/4	DIN EN 175301-803 Form A	11 ... 17	400
0882300000000000	25 ... 250	G1/4	DIN EN 175301-803 Form A	11 ... 17	400
0882400000000000	40 ... 420	G1/4	DIN EN 175301-803 Form A	17 ... 38	600
0883100000000000	5 ... 70	Flange	DIN EN 175301-803 Form A	10,5 ... 15	400
0883200000000000	10 ... 160	Flange	DIN EN 175301-803 Form A	11 ... 17	400
0883300000000000	25 ... 250	Flange	DIN EN 175301-803 Form A	11 ... 17	400
0883400000000000	40 ... 420	Flange	DIN EN 175301-803 Form A	17 ... 38	600

All versions include standard connector plug.

Accessories

Pressure port reducing nipple	Surge damper	Connector DIN EN 175301-803
0574767000000000 (brass)	0574773000000000 (brass)	0570110000000000 (Form A)
0550083000000000 (stainless steel)	0553258000000000 (stainless steel)	

Options

- M12 connections
- NPT thread options
- ATEX options

ELECTRO-MECHANICAL PRESSURE SWITCH

20D Allfluid: 0,5 ... 16 bar – ATEX Allfluid: 0,5 ... 10 bar – Low Pressure: 0 ... 0,25 bar

- High accuracy
- Robust metal housing (Standard and Low pressure)
- Robust metal housing in weather-resisting version (ATEX)

Technical Data

Medium:

For neutral, aggressive (Standard only), non-flammable gases and fluids

Operating pressure:

Allfluid: 0,5 ... 16 bar

ATEX Allfluid: 0,5 ... 10 bar

Low Pressure: -0,025 ... 1,6 bar

(Other ranges available, please contact us)

Ambient/Media temperature:

Standard and Low pressure:

Ambient: -25°C ... +80°C

Media: -10°C ... +100°C

ATEX:

Ambient: -10°C ... +75°C

Media: -10°C ... +75°C

Materials

Housing: Die cast aluminium

Sensor: Stainless steel

20D Allfluid



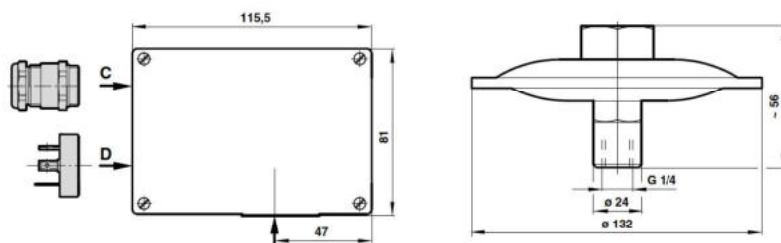
20D ATEX



20D Low pressure



Dimensions



Options

- Other pressure ranges
- Other electrical connections

Models

ALLFLUID Model	Pressure range (bar)	Fluid connection	Electrical connection	Switching pressure difference (bar)	Range – Switching pressure difference (bar)			Max. over pressure (bar)	Plug	Bracket – Steel
					Lower	Upper & min.	Upper max.			
	0,5 ... 6	G1/2	Gland Pg 13,5	Adjustable	0,80	0,90	5,00	20	–	0574772000000000
	0,5 ... 10	G1/2	Gland Pg 13,5	Adjustable	0,90	1,90	8,00	20	–	0574772000000000
	0,5 ... 10	G1/2	M20 x 1,5	Adjustable	0,90	1,90	8,00	20	–	0574772000000000
	1 ... 16	G1/2	M20 x 1,5	Adjustable	1,70	2,00	12,00	50	–	0574772000000000
	0,5 ... 6	G1/2	Gland Pg 13,5	Fixed	0,30	0,35	–	20	–	0574772000000000
	0,5 ... 10	G1/2	Gland Pg 13,5	Fixed	0,30	0,40	–	20	–	0574772000000000
	0,5 ... 10	G1/2	M20 x 1,5	Fixed	0,30	0,40	–	20	–	0574772000000000
	1 ... 16	G1/2	M20 x 1,5	Fixed	0,70	0,80	–	50	–	0574772000000000
ATEX ALLFLUID										
	0,5 ... 10	G1/2	M20 x 1,5	Fixed	0,70	0,90	–	20	–	0574772000000000
	0,5 ... 10	G1/2	M20 x 1,5	Adjustable	0,70	0,90	8,00	20	–	0574772000000000
LOW PRESSURE										
	0 ... 0,025	G1/4	DIN EN 175301-803 Form A	Fixed	0,003	0,004	–	0,5	0570110000000000	0574772000000000
	0 ... 0,06	G1/4	DIN EN 175301-803 Form A	Fixed	0,004	0,006	–	0,5	0570110000000000	0574772000000000
	0,004 ... 0,16	G1/4	DIN EN 175301-803 Form A	Fixed	0,004	0,008	–	0,5	0570110000000000	0574772000000000
	0 ... 0,25	G1/4	DIN EN 175301-803 Form A	Fixed	0,004	0,009	–	0,5	0570110000000000	0574772000000000

Note: Other pressure ranges available. Please contact us.

ELECTRO-MECHANICAL PRESSURE SWITCH

8D Pneumatic: 0,2 ... 30 bar - Hydraulic: 5 ... 250 bar

- Robust design
- High Accuracy

Technical Data

Medium:

Pneumatic: For neutral, gaseous fluids
Hydraulic: For neutral liquid fluids

Operation:

Diaphragm

Repeatability:

±2% of final value
(depending on regulating pressure)

Media viscosity:

Up to 1000 mm²/s

Ambient/Media temperature:

Ambient: -10°C ... +80°C

Media: 0°C ... +80°C

Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

Body:

Aluminium

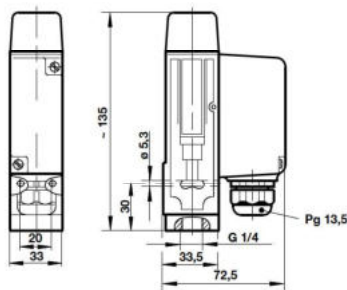
Seals:

NBR; FPM/PTFE

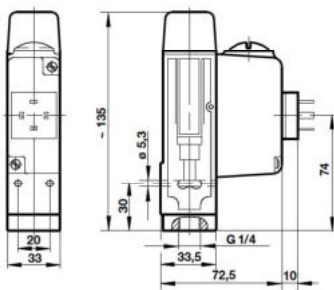


Dimensions

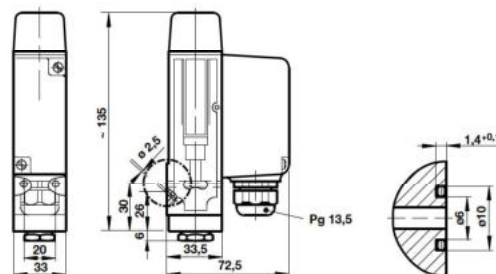
G1/4, cable gland



G1/4, form A



Flange, cable gland



Models

Pneumatic switches							Plug
Model	Pressure range (bar)	Fluid connection	Electrical connection	Adjustment method	Switching pressure difference (bar)	Max. over pressure (bar)	
	0,2 ... 12	G1/4	Gland pg 13,5	Allen screw – cover	0,9 ... 1,4	50	–
0820155000000000	0,2 ... 12	G1/4	DIN EN 175301-803 Form A	Allen screw – cover	0,9 ... 1,4	50	0570110000000000
0820750000000000	0,5 ... 30	G1/4	Gland pg 13,5	Allen screw – cover	1,0 ... 2,0	50	–
0820850000000000	0,5 ... 30	Flange	Gland pg 13,5	Allen screw – cover	1,0 ... 2,0	50	–

Hydraulic switches							Plug
Model	Pressure range (bar)	Fluid connection	Electrical connection	Adjustment method	Switching pressure difference (bar)	Max. over pressure (bar)	
	5 ... 70	G1/4	Gland pg 13,5	Hex. screw & cover	7 ... 12	250	–
0821055000000000	5 ... 70	G1/4	DIN EN 175301-803 Form A	Hex. screw & cover	7 ... 12	250	0570110000000000
0821050000000000	10 ... 160	G1/4	Gland pg 13,5	Hex. screw & cover	9 ... 18	250	–
0821150000000000	10 ... 160	Flange	Gland pg 13,5	Hex. screw & cover	9 ... 18	250	–
0821097000000000	50 ... 250	G1/4	Gland pg 13,5	Hex. screw & cover	12 ... 16	340	–

Accessories

ELECTRO-MECHANICAL PRESSURE SWITCH

M/1339 Pneumatic 0 ... 10 bar

Pneumatic

- Non adjustable
- N/O or N/C operation

Technical Data

Medium:

Compressed air, filtered,
lubricated and non-lubricated

Operation:

Pressure switch, non-adjustable

Mounting:

Holes in switch casing for
self-tapping screws

Ambient temperature:

-20°C ... +80°C

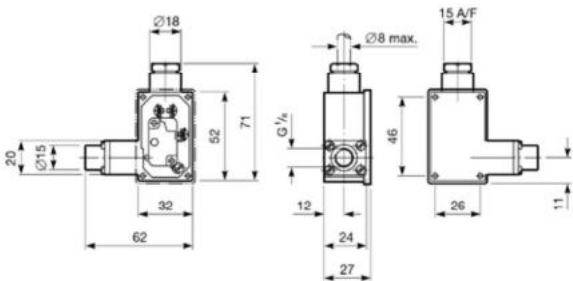
Air supply must be dry enough to avoid ice formation
at temperatures below +2°C

Materials

Polyacetal casing, NBR seals.



● Dimensions



● Models

Model	Pressure range (bar)	Fluid connection	Switching pressure
			
M/1339	0 ... 10	G1/8	2 bar +/- 0,5 bar

ELECTRO-MECHANICAL PRESSURE SWITCH

04015600 Pneumatic 0 ... 10 bar

Pneumatic

- Wide adjustment range
- N/O or N/C operation

Technical Data

Medium:
Compressed air, filtered,
lubricated and non-lubricated

Operation:
Pressure switch, adjustable

Mounting:
Holes in switch casing

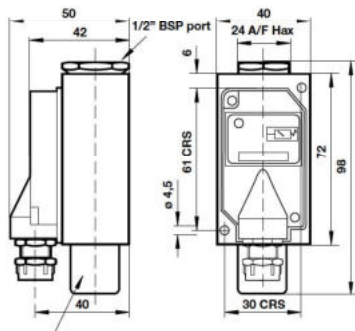
Ambient temperature:
-10°C ... +70°C
Air supply must be dry enough to avoid ice formation
at temperatures below +2°C

Materials

Diecast zinc alloy casing, NBR seals.



● **Dimensions**



Adjustment:
Remove cover. Use 3 mm A/F key for adjustment and 13 mm A/F spanner or lockout.

● **Models**

Model	Pressure range (bar)	Fluid connection	Pressure differential (bar)
			
04015600	0 ... 10	G1/8	0,2 ... 0,7

MINI PRESSURE SWITCH

99D Electro-Mechanical 0 ... 10 bar

- Very small construction
- Screw-in type
- AMP E-terminals 2,8 x 0,8 mm

Technical Data

Medium:

Lubricated air, oil and other neutral lubricated fluids

Over pressure:

20 bar maximum

Mounting position:

Optional

Degree of protection:

IP00

Ambient/Media temperature:

Ambient: -10°C ... +60°C

Media: 0°C ... +80°C

Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

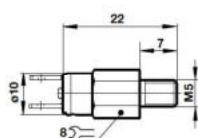
Body: Stainless steel

Seals: NBR/POM

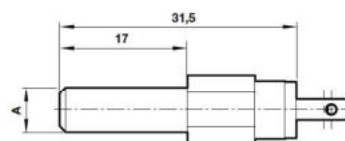


Dimensions

99505..



VM10..



Models

Model	Port size	Pressure range (bar)	Contact range P_{vu} (bar)	P_{vo} (bar)
				
9950501	M5	0 ... 10	1,5 ... 2,5	2,0 ... 3,5
9950502	M5	0 ... 10	2,5 ... 3,7	3,0 ... 5,0
9950509	M5	0 ... 10	3,5 ... 5,1	4,7 ... 6,2

Model	Port size	Pressure range (bar)	Contact range P_{vu} (bar)	P_{vo} (bar)
				
VM106517AQ0804	4 mm	0 ... 10	3,0 ... 5,0 bar	2,5 ... 3,7 bar
VM106517AQ0806	6 mm	0 ... 10	3,0 ... 5,0 bar	2,5 ... 3,7 bar

ELECTRONIC PRESSURE SWITCH

33D Pneumatic and Allfluid -1 ... 400 bar

- Display of system pressure and unit (pressure unit programmable)
- Compact and robust design
- Easy programming of set points and additional functions
- Transistor output signals 1 x PNP/2 x PNP/1 x PNP + 4 ... 20 mA
- Electronic lock
- Switching status indicated by LED
- Standard M12 x 1 electrical connection (IP 65)
- For pneumatic, allfluid and hydraulic applications

Technical Data

Medium:
Filtered compressed air, lubricated or unlubricated, neutral gases, neutral fluids

Display:
LCD 4 digits illuminated, pressure unit programmable for bar, psi, mpa

Mounting position:
Optional

Operating pressure:
-1 ... 16 bar (pneumatic)
0 ... 400 bar (hydraulic/allfluid)

Ambient/Media temperature:
Ambient: -10°C ... +60°C
Media: -10°C ... +80°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

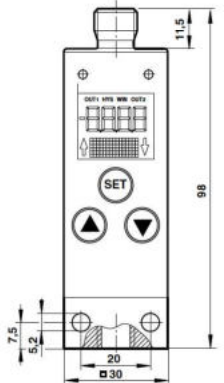
Materials

Pneumatic:
Housing: Aluminium/Stainless steel
Sensor (fluid-affected parts): Silizium/Aluminium

Allfluid:
Housing: Aluminium/Stainless steel
Sensor (fluid-affected parts): Stainless steel 1.4571 (0 ... 250 bar), Stainless steel 1.4542 (400 ... 630 bar)



Dimensions



Options

- M12 connections
- NPT thread options
- ATEX options

Electrical parameters

Electrical connection:	M12 x 1
Power supply:	10 ... 32 V d.c. (polarity safe) digital models
	15 ... 32 V d.c. (polarity safe) analogue models

Electrical connection M12 x 1

PIN-	Signal	Cable colour
1	+UB	Brown
2	Out 2 (PNP) / analogue 4 ... 20 mA	White
3	0 V	Blue
4	Out 1 (PNP)	Black
5	PE	Grey



Models

Model	Pressure range (bar)	Over Pressure (bar)	Fluid connection	Output signal	Electrical connector M12 x 1			
					Straight x 2 m long	Straight x 5 m long	90° x 2 m long	90° x 5 m long
0863012000000000	-1 ... 1	10	G1/4	1 x PNP	0523057000000000	0523052000000000	0523058000000000	0523053000000000
0863022000000000	-1 ... 1	10	G1/4	2 x PNP	0523057000000000	0523052000000000	0523058000000000	0523053000000000
0863042000000000	-1 ... 1	10	G1/4	1 x PNP / analogue 4 ... 20 mA	0523057000000000	0523052000000000	0523058000000000	0523053000000000
0863016000000000	-1 ... 1	10	Flange	1 x PNP	0523057000000000	0523052000000000	0523058000000000	0523053000000000
0863112000000000	0 ... 10	40	G1/4	1 x PNP	0523057000000000	0523052000000000	0523058000000000	0523053000000000
0863122000000000	0 ... 10	40	G1/4	2 x PNP	0523057000000000	0523052000000000	0523058000000000	0523053000000000
0863212000000000	0 ... 16	30	G1/4	1 x PNP	0523057000000000	0523052000000000	0523058000000000	0523053000000000
0863222000000000	0 ... 16	30	G1/4	2 x PNP	0523057000000000	0523052000000000	0523058000000000	0523053000000000
0863242000000000	0 ... 16	30	G1/4	1 x PNP / analogue 4 ... 20 mA	0523057000000000	0523052000000000	0523058000000000	0523053000000000
0863216000000000	0 ... 16	30	Flange	1 x PNP	0523057000000000	0523052000000000	0523058000000000	0523053000000000
0863312000000000	0 ... 40	100	G1/4	1 x PNP	0523057000000000	0523052000000000	0523058000000000	0523053000000000
0863322000000000	0 ... 40	100	G1/4	2 x PNP	0523057000000000	0523052000000000	0523058000000000	0523053000000000
0863342000000000	0 ... 40	100	G1/4	1 x PNP / analogue 4 ... 20 mA	0523057000000000	0523052000000000	0523058000000000	0523053000000000
0863412000000000	0 ... 100	200	G1/4	1 x PNP	0523057000000000	0523052000000000	0523058000000000	0523053000000000
0863422000000000	0 ... 100	200	G1/4	2 x PNP	0523057000000000	0523052000000000	0523058000000000	0523053000000000
0863512000000000	0 ... 160	300	G1/4	1 x PNP	0523057000000000	0523052000000000	0523058000000000	0523053000000000
0863612000000000	0 ... 250	500	G1/4	1 x PNP	0523057000000000	0523052000000000	0523058000000000	0523053000000000
0863622000000000	0 ... 250	500	G1/4	2 x PNP	0523057000000000	0523052000000000	0523058000000000	0523053000000000
0863712000000000	0 ... 400	750	G1/4	1 x PNP	0523057000000000	0523052000000000	0523058000000000	0523053000000000

Accessories



ELECTRONIC PRESSURE SWITCH

40D Pneumatic -1 ... 25 bar

- Space saving design
- Easy programming of set points
- Design with and without display
- Special functions selectable
- Analogue (1 ... 5V) and digital outputs, as NO/NC programmable
- Revolving display
- Not for outdoor application

Technical Data

Medium:

For non aggressive gases and dry, non lubricated compressed air

Operation:

Pressure sensors are converting a fluidic signal into digital output and a proportional analogue voltage output signal

Repeatability:

± 0,2 % of measuring range

Vibration proof:

10 ... 55 Hz, 1,5 mm, xyz, 2 h

Ambient temperature:

0°C ... +50°C

Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

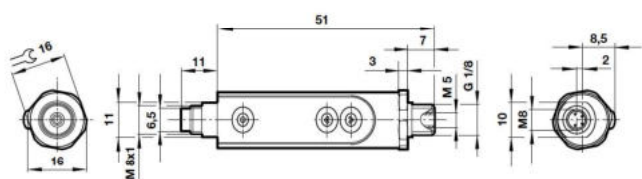
Housing: Plastic ABS - PC

Fluid ports: Nickel plated brass

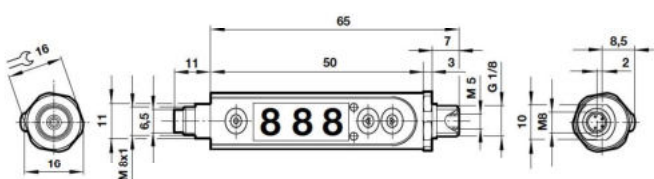


Dimensions

Without display



With display



Electrical connection M8 x 1

PIN-No.	Signal	Cable colour
1	+UB	Brown
2	PNP 2/ analogue 1 ... 5V	White
3	0 V	Blue
4	PNP 1	Black



Models

Model	Port size	Pressure range (bar)	Display	Output signal	Connector M8 x 1			
					Straight x 1,5m long	Straight x 5m Long	90° x 1,5m Long	90° x 5 m Long
0862440000000000	G1/8 or M5	-1 ... 0	10	1 x PNP/analogue 1 ... 5 V	0523449000000000	0523447000000000	0523446000000000	0523448000000000
0862441000000000	G1/8 or M5	-1 ... 0	10	2 x PNP	0523449000000000	0523447000000000	0523446000000000	0523448000000000
0862442000000000	G1/8 or M5	0 ... 10	750	2 x PNP	0523449000000000	0523447000000000	0523446000000000	0523448000000000



ELECTRONIC PRESSURE SWITCH

51D Pneumatic -1 ... 10 bar

- System pressure (unit bar, psi, Mpa, kPa, kgf/cm², mmHg, InHg or mmH₂O) selectable
- High accuracy and resolution
- Switching status indicated by LED

Technical Data

Medium:
For filtered, lubricated or non lubricated compressed air, neutral and incombustible gases

Ambient temperature:
0°C ... +50°C
Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Display:
3 1/2 digit LED

Repeatability (switch output):
≤ ±0,2% of full scale (FS) ±1 digit
- without temperature sensitivity

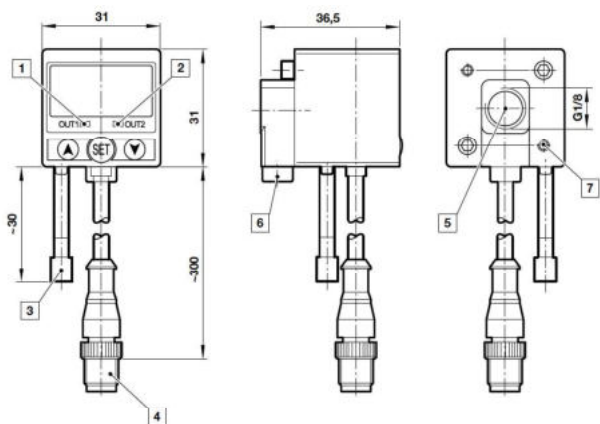
Materials

Body:
PC

EXPRESS



Dimensions



- 1 Switch OUT 1, green LED
- 2 Switch OUT 2, red LED
- 3 Dustproof protector
- 4 Connector M12 x 1
- 5 Inlet port
- 6 Alternative inlet port G1/8 plugged
- 7 Thread for mounting screw

Electrical parameters

Electrical connection:	M12 x 1
Power supply:	12 ... 24 V d.c.
	24 V d.c. (PNP) maximum
	30 V d.c. (NPN) maximum

Electrical connection M12 x 1

PIN-No.	Signal	Cable colour
1	+UB	Brown
2	Out 2	White
3	-	Blue
4	Out 1	Black



Models

Model	Port size	Switching pressure range (bar)	Over pressure (bar)	Output signal	Mounting bracket (wall mounting)	Mounting bracket (bottom mounting)	Panel mounting kit
0860810000000000	G1/8	-1 ... 10	15	2 x PNP	0860000000000000	0860001000000000	8600020000000000 & 8600030000000000
0860815000000000	G1/8	-1 ... 10	15	2 x NPN	0860000000000000	0860001000000000	8600020000000000 & 8600030000000000
0860820000000000	G1/8	-1 ... 1	3	2 x PNP	0860000000000000	0860001000000000	8600020000000000 & 8600030000000000
0860825000000000	G1/8	-1 ... 1	3	2 x NPN	0860000000000000	0860001000000000	8600020000000000 & 8600030000000000

Accessories



PRESSURE SENSORS

18S Pneumatic -1 ... 25 bar

- Temperature compensated
- Vacuum and overpressure
- Robust design for pneumatic and industrial applications
- Not for outdoor application

Technical Data

Medium:

Compressed air, filtered, lubricated or non-lubricated

Mounting position:

Optional

Ambient temperature:

-10°C ... +85°C

Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

Housing: Aluminium anodized

Sensor: VMQ piezo-resistive (with passive side to fluid)

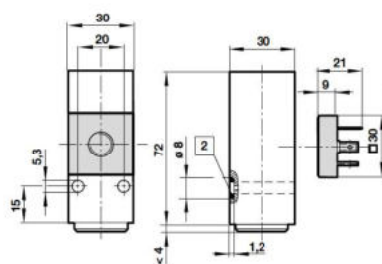
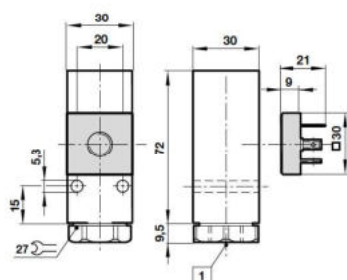
O-ring: NBR (flange version only)



Dimensions

G1/4

Flange



□ Fluid port
▣ O-ring 5 x 1,5

Electrical connection

DIN 43650	
PIN-No.	Wiring
1	+UB
2	Signal 4 ... 20 mA

Models

Model 43650	Port size	Measuring range (Relative pressure) (bar)	Value max. (Over pressure) (bar)	Connector DIN EN 175301-803
	G1/4	-1 ... 1	10	0570110000000000
	Flange	-1 ... 1	10	0570110000000000
	G1/4	0 ... 10	30	0570110000000000
	Flange	0 ... 10	30	0570110000000000
	G1/4	0 ... 25	40	0570110000000000
	Flange	0 ... 25	40	0570110000000000
				

Accessories

Options

- M12 connections