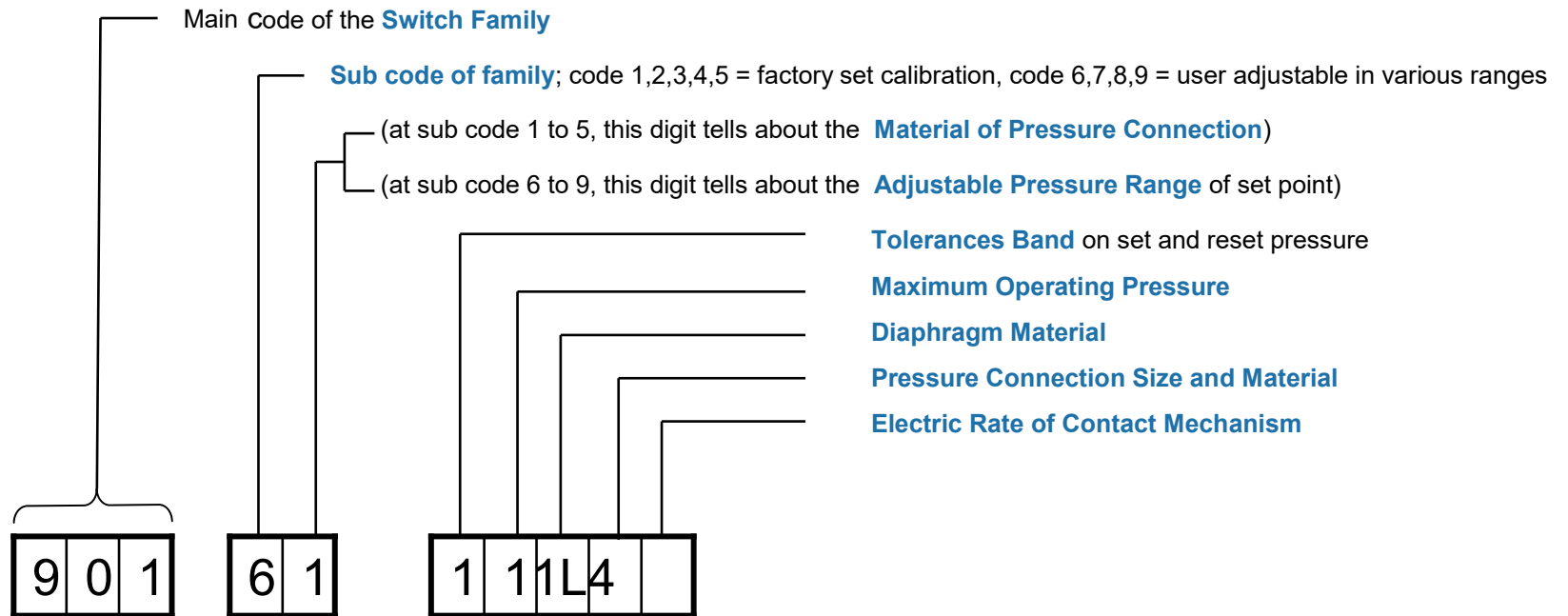


Order Code for Pressure Switches 901 and 901 Prescal

®



Order Code for Pressure Switches 901 and 901 Prescal [®]

9 0 1 1 1 1 1 1 4 L

Switch family: 901 Mechanical Pressure Switch family 901

9 0 1 6 1 1 1 1 4 L

- Sub code family:**
- 1 Factory-set over-pressure from 5 mbar up to 1.000 mbar; with a max. operating pressure of 0.5 or 1.0 bar
 - 2 Factory-set vacuum from -5 mbar to -900mbar; with a max. operating pressure of 0.5 bar or 1.0 bar
 - 3 Factory-set differential pressure from 5 up to 50 mbar: with a max. operating pressure of 100 mbar
 - 4 Factory-set over-pressure from 500 mbar up to 3 bar: with a max. operating pressure of 10 bar
 - 5 Factory-set high-pressure from 1 bar up to 12 bar: with a max. operating pressure of 25 bar
 - 6 Adjustable pressure range from 5 mbar up to 3 bar: with max. operating pressure 0.5 bar, 1 bar or 7 bar
 - 7 Adjustable vacuum range from -5 to -700 mbar: with max. operating pressure 0,5 bar, 1,0 bar
 - 8 Adjustable differential pressure range (from 5 to 50 mbar: with a max. operating pressure of 100 mbar
 - 9 Adjustable high-pressure range from 1,0 bar up to 12 bar: with a max operating pressure of 25 bar

9 0 1 1 1 1 1 1 4 L

- Material of Pressure Connection:** (only for Factory-set Pressure Switches of **Family Sub Code 1...5**)
- 0 plastic (could be PA6, PPS, PVDF)
 - 1 metal (could be brass, brass nickel-plated or stainless steel)



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Adjustable Pressure Ranges

(only for the user adjustable Pressure Switches 901 Prescal[®] of the **Family Sub Codes 6...9**)

Code	type	range
1	(61)	5.....20 mbar
2	(62)	10.....50 mbar
3	(63)	25.....100 mbar
4	(64)	50.....250 mbar
5	(65)	100.....500 mbar
6	(66)	250...1.000 mbar
7	(67)	500...1.500 mbar
8	(68)	1.000...3.000 mbar

Code	type	range
1	(71)	-5.....-20 mbar
2	(72)	-10.....-50 mbar
3	(73)	-25.....-100 mbar
4	(74)	-50.....-125 mbar
5	(75)	-75.....-200 mbar
6	(76)	-100.....-300 mbar
7	(77)	-200.....-500 mbar
8	(78)	-300.....-700 mbar

1	(91)	1.0.....6.0 bar
2	(92)	4.09.0 bar
3	(93)	7.0....12.0 bar

1	(81)	5.....20 mbar
2	(82)	10.....50 mbar

For detailed information about available ranges and max. operating pressure see our datasheet for Adjustable Pressure Switches 901 Prescal[®]

Order Code for Pressure Switches 901 and 901 Prescal [®]

9 0 1 6 1 1 1 14 L

Tolerance band on Set and Reset Pressure:

1	standard precision	+ - 10%
2	high precision	+ - 5% (available only on request and additional charges)

9 0 1 6 1 1 1 14 L

Maximum Operating Pressure:

1	standard
2	extended to 4 bar (only instead of max. operating pressure of 0.5 bar or 1.0 bar)

9 0 1 6 1 1 1 14 L

Diaphragm Material:

1	NBR
2	EPDM
3	Silicone (VMQ)
4	FKM Viton [®]
5	NBR for gas switches with DVGW certificate
6	Silicone (VMQ) with Parylene [®] C coating
7	FKM Spezial for saturated steam up to max. 140°C
8	EPDM according to FDA 21-CFR
9	Chemraz [®] , for -20°C to +230°C

Order Code for Pressure Switches 901 and 901 Prescal [®]

9 0 1 6 1 1 1 14 L

Pressure Connection Size and Material

Code	Material	Shape	Size	Mounting Bracket
A	Polyamide PA6	Tube	6.0 mm	6405
B	Polyamide PA6	Tube	6.5 mm	6405
C	Polyamide PA6	Tube	10 mm	6405
D	Polyamide PA6	Thread	1/8	6404
E	Polyamide PA6	Thread	M10x1	6404
F	PPS	Tube	6.5 mm	6405
G	PPS	Tube	10 mm	6405
H	PVDF	Thread	M10x1	6404
J	PVDF	Thread	1/8	6404
K	PVDF	Thread	1 / 4	6403
L	CuZn40 (brass)	Thread	1 / 4	6403
M	CuZn40 (brass)	Thread	1 / 8	6404
N	CuZn40 (brass)	Thread	M10x1	6404
O	CuZn40 (brass)	Thread	3 / 8	n.a.
P	V2A	Thread	M10x1	6404
Q	V2A	Thread	1 / 8	6404
R	V2A	Thread	1 / 4	6403
S	CuZn40 (brass)	Thread	1 / 2	n.a.
T	PP	Thread	M10x1	6404
U	PP	Tube	6.5 mm	6405
V	CuZn40 (brass) nickel-plated	Thread	1 / 4	6403

Order Code for Pressure Switches 901 and 901 Prescal [®]

9 0 1 6 1 1 1 L 4

Electric Rate of Contact Mechanism:	1	0.1 A	12 VDC	gold-plated contacts
	2	6 A	250 VAC	AgCdO contacts; non RoHS conform
	3	10 A	250 VAC	AgCdO contacts; non RoHS conform
	4	6 A	250 VAC	Standard contact; material AgNi;
	5	10 A	250 VAC	Extra strong contacts; material AgNi

- Example 1:
- Pressure Switch Family (901)
 - Factory-set over pressure at 20 mbar (1)
 - metal pressure connection (1).
 - Tolerance Band +/- 10% (1)
 - Diaphragm material NBR (1)
 - Max. operating pressure 0,5 bar (1)
 - Pressure connection PA 6.5mm tube (B)
 - Electrical rating 6A / 250 VAC (4)

- Example 2:
- Pressure Switch Family (901)
 - Adjustable over-pressure range (6)
 - Pressure range 5...20 mbar (1).
 - Tolerance Band +/- 10% (1)
 - Diaphragm material NBR (1)
 - Max. operating pressure 0,5 bar (1)
 - Pressure connection CuZn 40- G1/4 (L)
 - Electrical rating 6A / 250 VAC (4)

In addition it is necessary to tell the calibration of set and reset pressure, i.e. switching on increasing pressure at 20 mbar, Switching back on decreasing pressure at 10 mbar.