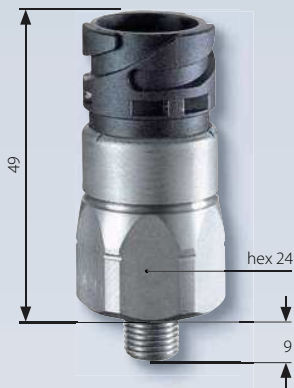


## Bayonet ISO 15170 (DIN 72585)



# 0120

## Diaphragm pressure switches with integrated bayonet connector

- NC or NO, maximum operating voltage up to 42 V
- Zinc-plated steel (Cr VI-free)
- Overpressure safety up to 300 bar<sup>1)</sup>
- Burst pressure safety up to 400 bar<sup>1)</sup>

Adjustment range (tolerance at room temperature)	male thread	Article number NO →  :	Article number NC → :
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### 0120 Diaphragm pressure switches with integrated connector

Adjustment range	male thread	Article number NO →  :	Article number NC → :
0.1 - 1 (± 0.2) bar	G1/4	0120 - X03 03 - X - 011	0120 - X04 03 - X - 015
	G1/8	0120 - X03 28 - X - 603	0120 - X04 28 - X - 604
	M10x1 cyl.	0120 - X03 13 - X - 003	0120 - X04 13 - X - 004
	M10x1 con.	0120 - X03 01 - X - 009	0120 - X04 01 - X - 013
	M12x1.5 cyl.	0120 - X03 02 - X - 010	0120 - X04 02 - X - 014
	NPT1/8	0120 - X03 04 - X - 012	0120 - X04 04 - X - 016
0.5 - 3 (± 0.3) bar	G1/4	0120 - X23 03 - X - 070	0120 - X24 03 - X - 070
	G1/8	0120 - X23 28 - X - 070	0120 - X24 28 - X - 070
	M10x1 cyl.	0120 - X23 13 - X - 070	0120 - X24 13 - X - 070
	M10x1 con.	0120 - X23 01 - X - 070	0120 - X24 01 - X - 070
	M12x1.5 cyl.	0120 - X23 02 - X - 070	0120 - X24 02 - X - 070
	NPT1/8	0120 - X23 04 - X - 070	0120 - X24 04 - X - 070
1 - 10 (± 0.5) bar	G1/4	0120 - X07 03 - X - 027	0120 - X08 03 - X - 031
	G1/8	0120 - X07 28 - X - 607	0120 - X08 28 - X - 608
	M10x1 cyl.	0120 - X07 13 - X - 007	0120 - X08 13 - X - 008
	M10x1 con.	0120 - X07 01 - X - 025	0120 - X08 01 - X - 029
	M12x1.5 cyl.	0120 - X07 02 - X - 026	0120 - X08 02 - X - 030
	NPT1/8	0120 - X07 04 - X - 028	0120 - X08 04 - X - 032

### Coding

A1-2.1	4XX	4XX
A2-2.1	3XX	3XX
A3-2.1	2XX	2XX
A4-2.1	1XX	1XX

### Seal material – Application areas

NBR	Hydraulic/machine oil, heating oil, air, nitrogen, etc.	1
EPDM	Brake fluid, hydrogen, oxygen, acetylene, etc.	2
FKM	Hydraulic fluids (HFA, HFB, HFD), petrol/gasoline, etc.	3
FFKM	Chemical acids, diluted alkalis, ketones, ester's, alcohols	6
HNBR	Hydraulic/machine oil, ester-based bio-oils	9

Refer to page 24 for the temperature range and application thresholds of sealing materials.

Article number:

0120 - XXX XX - X - XXX

<sup>1)</sup> Static value. Dynamic value is 30-50 % lower. Values pertain to the hydraulic/pneumatic part of the pressure switch.

# 0120 / 0121

## Diaphragm/piston pressure switches with integrated bayonet

- NC or NO, maximum operating voltage up to 42 V
- Zinc-plated steel (Cr VI-free)
- Diaphragm variant: Overpressure safety up to 300 bar / Burst pressure safety up to 400 bar<sup>1)</sup>
- Piston variant: Opressure safety up to 600 bar / Burst pressure safety up to 700 bar<sup>1)</sup>

Adjustment range (tolerance at room temperature)	male thread	Article number NO → : :	Article number NC → : :
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### 0120 Diaphragm pressure switches with integrated connector

10 - 20 (± 1) bar	G1/4	0120 - X11 03 - X - 043	0120 - X12 03 - X - 047
	G1/8	0120 - X11 28 - X - 611	0120 - X12 28 - X - 612
	M10x1 cyl.	0120 - X11 13 - X - 011	0120 - X12 13 - X - 012
	M10x1 con.	0120 - X11 01 - X - 041	0120 - X12 01 - X - 045
	M12x1.5 cyl.	0120 - X11 02 - X - 042	0120 - X12 02 - X - 046
	NPT1/8	0120 - X11 04 - X - 044	0120 - X12 04 - X - 048
20 - 50 (± 2) bar	G1/4	0120 - X15 03 - X - 059	0120 - X16 03 - X - 063
	G1/8	0120 - X15 28 - X - 615	0120 - X16 28 - X - 616
	M10x1 cyl.	0120 - X15 13 - X - 015	0120 - X16 13 - X - 016
	M10x1 con.	0120 - X15 01 - X - 057	0120 - X16 01 - X - 061
	M12x1.5 cyl.	0120 - X15 02 - X - 058	0120 - X16 02 - X - 062
	NPT1/8	0120 - X15 04 - X - 060	0120 - X16 04 - X - 064

### 0121 Piston pressure switches with integrated connector

50 - 150 (± 5) bar	G1/4	0121 - X19 03 - X - 011	0121 - X20 03 - X - 015
	G1/8	0121 - X19 28 - X - 603	0121 - X20 28 - X - 604
	M10x1 cyl.	0121 - X19 13 - X - 003	0121 - X20 13 - X - 004
	M10x1 con.	0121 - X19 01 - X - 009	0121 - X20 01 - X - 013
	M12x1.5 cyl.	0121 - X19 02 - X - 010	0121 - X20 02 - X - 014
	NPT1/8	0121 - X19 04 - X - 012	0121 - X20 04 - X - 016

### Coding

A1-2.1	4XX	4XX
A2-2.1	3XX	3XX
A3-2.1	2XX	2XX
A4-2.1	1XX	1XX

### Seal material – Application areas

NBR	Hydraulic/machine oil, heating oil, air, nitrogen, etc.	1
EPDM	Brake fluid, hydrogen, oxygen, acetylene, etc.	2
FKM	Hydraulic fluids (HFA, HFB, HFD), petrol/gasoline, etc.	3
FFKM	Chemical acids, diluted alkalis, ketones, ester's, alcohols	6
HNBR	Hydraulic/machine oil, ester-based bio-oils	9

Refer to page 24 for the temperature range and application thresholds of sealing materials.

Article number: 012X - XXX XX - X - XXX

M.1  
hex 24 integrated

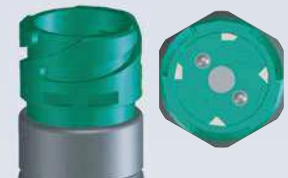
Coding A1-2.1



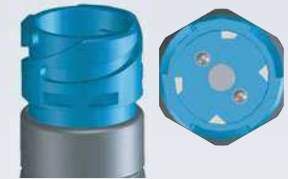
Coding A2-2.1



Coding A3-2.1



Coding A4-2.1



<sup>1)</sup> Static value. Dynamic value is 30-50 % lower. Values pertain to the hydraulic/pneumatic part of the pressure switch.