

# 0410 / 0412 / 0414 / 0416 / 0418 / 0422 / 0424

Diaphragm pressure switches, up to 42 V  
with supplementary functions

- Zinc-plated steel (CrVI-free)
- Overpressure safety up to 300 bar<sup>1)</sup>
- Burst pressure safety up to 400 bar<sup>1)</sup>

### Plug-in types for diaphragm pressure switches

Deutsch DT04-2P	0410 - XXX XX - X - 001	0410 - XXX XX - X - 002
AMP Superseal 1.5®	0412 - XXX XX - X - 001	0412 - XXX XX - X - 002
Packard MetriPack 280	0414 - XXX XX - X - 001	0414 - XXX XX - X - 002
Deutsch DT04-3P	0416 - XXX XX - X - 001	0416 - XXX XX - X - 002
AMP Junior Timer®	0418 - XXX XX - X - 001	0418 - XXX XX - X - 002
M12x1 DIN EN 61076-2-101-A (PIN 1+3)	0422 - XXX XX - X - 001	0422 - XXX XX - X - 002
M12x1 DIN EN 60947-5-2 (PIN 1+2 / PIN 1+4)	0424 - XXX XX - X - 001	0424 - XXX XX - X - 002

**0410 / 0411**  
**Deutsch DT04-2P**  
IP67, IP6K9K

**0412 / 0413**  
**AMP Superseal 1.5®**  
IP67

**0414 / 0415**  
**Packard MetriPack 280®**  
IP67

**0416 / 0417**  
**Deutsch DT04-3P**  
IP67, IP6K9K

**0418 / 0419**  
**AMP Junior Timer®**  
IP65, IPx4K

**0422 / 0423**  
**M12x1 DIN EN 61076-2-101-A**  
IP67

**0424 / 0425**  
**M12x1 DIN EN 60947-5-2**  
IP67

Adjustment range (tolerance at room temperature)	Male thread	Article number NO →  :	Article number NC → :
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### 04XX Diaphragm pressure switches

0.1 - 1 (± 0.2) bar	G 1/4	04XX - X 03 03 - X - 001	04XX - X 04 03 - X - 002
	G 1/8	04XX - X 03 28 - X - 001	04XX - X 04 28 - X - 002
	M 10x1 cyl.	04XX - X 03 13 - X - 001	04XX - X 04 13 - X - 002
	M 10x1 con.	04XX - X 03 01 - X - 001	04XX - X 04 01 - X - 002
	M 12x1.5	04XX - X 03 02 - X - 001	04XX - X 04 02 - X - 002
	NPT 1/8	04XX - X 03 02 - X - 001	04XX - X 04 02 - X - 002

0.5 - 3 (± 0.3) bar	G 1/4	04XX - X 23 03 - X - 001	04XX - X 24 03 - X - 002
	G 1/8	04XX - X 23 28 - X - 001	04XX - X 24 28 - X - 002
	M 10x1 cyl.	04XX - X 23 13 - X - 001	04XX - X 24 13 - X - 002
	M 10x1 con.	04XX - X 23 01 - X - 001	04XX - X 24 01 - X - 002
	M 12x1.5	04XX - X 23 02 - X - 001	04XX - X 24 02 - X - 002
	NPT 1/8	04XX - X 23 04 - X - 001	04XX - X 24 04 - X - 002

1 - 10 (± 0.5) bar	G 1/4	04XX - X 07 03 - X - 001	04XX - X 08 03 - X - 002
	G 1/8	04XX - X 07 28 - X - 001	04XX - X 08 28 - X - 002
	M 10x1 cyl.	04XX - X 07 13 - X - 001	04XX - X 08 13 - X - 002
	M 10x1 con.	04XX - X 07 01 - X - 001	04XX - X 08 01 - X - 002
	M 12x1.5	04XX - X 07 02 - X - 001	04XX - X 08 02 - X - 002
	NPT 1/8	04XX - X 07 04 - X - 001	04XX - X 08 04 - X - 002

### Supplementary functions

Resistor	Diagnostics function	R XX XX
Varistor	Overvoltage protection	V XX XX
NTC thermistor	Filter monitoring	N XX XX
PTC thermistor	Overcurrent protection	P XX XX
LED	Display	L XX XX
Multifuse, PPTC	Overcurrent protection	M XX XX

### Seal material – Application areas

NBR	Hydraulic/machine oil, heating oil, air, nitrogen, etc.	1
EPDM	Brake fluid, water, 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: **04XX - XXX XX - X - 00X**

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



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Packard MetriPack 280	0414 - XXX XX - X - 001	0414 - XXX XX - X - 002
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Adjustment range (tolerance at room temperature)	Male thread	Article number NO →  :	Article number NC →  :
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## 04XX Diaphragm pressure switches

10 - 20 (± 1) bar	G 1/4	04XX - X 11 03 - X - 001	04XX - X 12 03 - X - 002
	G 1/8	04XX - X 11 28 - X - 001	04XX - X 12 28 - X - 002
	M 10x1 cyl.	04XX - X 11 13 - X - 001	04XX - X 12 13 - X - 002
	M 10x1 con.	04XX - X 11 01 - X - 001	04XX - X 12 01 - X - 002
	M 12x1.5	04XX - X 11 02 - X - 001	04XX - X 12 02 - X - 002
	NPT 1/8	04XX - X 11 04 - X - 001	04XX - X 12 04 - X - 002
20 - 50 (± 2) bar	G 1/4	04XX - X 15 03 - X - 001	04XX - X 16 03 - X - 002
	G 1/8	04XX - X 15 28 - X - 001	04XX - X 16 28 - X - 002
	M 10x1 cyl.	04XX - X 15 13 - X - 001	04XX - X 16 13 - X - 002
	M 10x1 con.	04XX - X 15 01 - X - 001	04XX - X 16 01 - X - 002
	M 12x1.5	04XX - X 15 02 - X - 001	04XX - X 16 02 - X - 002
	NPT 1/8	04XX - X 15 04 - X - 001	04XX - X 16 04 - X - 002

## Supplementary functions

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PTC thermistor	Overcurrent protection	P XX XX
LED	Display	L XX XX
Multifuse, PPTC	Overcurrent protection	M XX XX

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

Article number: **04XX - XXX XX - X - 00X**

M.6  
hex 24  
PS PLUS



**suco**

M

**suco**  
RoHSII  
compliant

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