

08/2021



⚠ Above stated body materials refer to the valve port connections that get in contact with the media only!

**details needed**

- orifice
- port
- function NC
- operating pressure
- flow rate
- media
- media temperature
- ambient temperature
- nominal voltage

⚠ The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

⚠ If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application.

**2/2-way valve**

**pressure range**

**orifice**

**connection**

**function**

**direct acting**

PN 0-100 bar

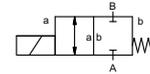
DN 2-8 mm

thread

valve

normally closed

symbol **NC**



**design**

direct acting, with spring return

**body materials**

① 1.4104/steel, nickel plated	②
③	⑤
④	⑥ stainless steel, steel, nickel plated

**valve seat**

synthetic resin on metal

**seal materials**

NBR, PTFE **FPM**

**ports**

KB threads G 3/8 **special threads**

**function**

NC

**pressure range**

bar	10   10   16   30   50   100
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**Kv value**

DN	8   6   5   4   3   2
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**vacuum**

l/min | 24,0 | 17,4 | 13,5 | 11,0 | 4,1 | 1,7 | **< 10<sup>-6</sup> mbar•L•s<sup>-1</sup>**

**pressure-vacuum**

leak rate P<sub>1</sub> ↔ P<sub>2</sub> **upon request**

**back pressure**

P<sub>2</sub> > P<sub>1</sub> **upon request**

**media**

gaseous - liquid

**abrasive media damping**

opening closing A ↔ B as marked **bi-directional upon request**

**flow direction**

**switching cycles**

**switching time**

1/min	210
ms	opening 100
	closing 175

**media temperature**

°C DC: -20 to +40

**ambient temperature**

°C AC: -20 to +40  
DC: -20 to +40  
AC: -20 to +40

**limit switches**

**manual override**

**approvals**

**mounting**

**weight**

**additional equipment**

**WAZ**

kg 2,8

**nominal voltage**

U <sub>n</sub>	DC 24 V +5%/-10%	<b>special voltage</b>
U <sub>n</sub>	AC 230 V +5%/-10% 40-60 Hz	<b>special voltage</b>

**actuation**

DC	direct-current magnet	
AC	direct-current magnet with separate rectifier outside of the explosion-proof area	<b>sand sealed rectifier</b>

**insulating rating**

H 180°C

**protection**

IP65

**energized duty rating**

ED 100%

**connection**

M16x1,5 terminal box

**optional**

**additional equipment**

**current consumption**

U <sub>n</sub>	V-DC	24	200	48	98	110	220
I <sub>n</sub>	A	1,20	0,15	0,68	0,30	0,28	0,14

**explosion proof**

II 2 G Ex mb e II T4	<b>II 2 G Ex mb II T4</b>
II 2 D Ex tD A21 IP65 T130 °C	
PTB 02 ATEX 2120 X	

**limit switches**

■ specifications not highlighted are standard  
■ specifications highlighted in grey are optional

function: **NC**  
closed when not energized

