

02/2024



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

**details needed for main valve**

- orifice
- port
- function NC/NO
- operating pressure/ $\Delta p$
- flow rate
- media
- media temperature
- ambient temperature
- type of actuation

**details needed for pneumatic actuation**

- nominal voltage
- type of protection
- actuation pressure range min/max
- pilot valve type

**!** 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. To avoid hydraulic shocks in pipelines, the flow velocities must be taken into account when designing valves for liquids.

specifications not highlighted are standard  
 specifications highlighted in grey are optional

**2/2-way valve**

**pressure range**  
**orifice**  
**connection**  
**function**

**operating principle**  
**body material**

**valve seat**  
**seal materials**

**ports**  
**function**  
**pressure range**  
**Kv value**  
**vacuum**  
**pressure-vacuum**  
**back pressure**  
**media**  
**abrasive media**  
**damping**  
**flow direction**  
**switching cycles**  
**switching time**  
**media temperature**  
**ambient temperature**  
**flush ports**  
**leak ports**  
**limit switches**  
**manual override**  
**approvals**  
**mounting**  
**weight**  
**additional equipment**

**nominal voltage**  
**power consumption**  
**protection**  
**energized duty rating**  
**connection**  
**optional**  
**additional equipment**  
**max. temperature**  
**explosion proof**

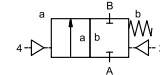
**actuation pressure range**  
**air consumption**  
**cycle speed**  
**control**  
**pilot valve interface**  
**actuator ports**

**actuation pressure range**  
**control**  
**actuator ports**  
**by media**

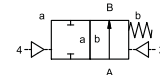
**externally controlled**

PN 0-500 bar  
 DN 6 mm  
 thread

valve normally closed  
 symbol **NC**



valve normally open  
 symbol **NO**



externally controlled with spring return

- |         |   |
|---------|---|
| ① brass | ② |
| ③       | ⑤ |
| ④       | ⑥ |

monel on brass  
 EPDM, NBR **FPM**

**general specifications**

LVP threads G 1/4  
 bar NC NO  
 0-500  
 l/min 7  
 leak rate  $< 10^{-4} \text{ mbar} \cdot \text{L} \cdot \text{s}^{-1}$   
 P<sub>1</sub> ⇌ P<sub>2</sub> pressure side max. 500 bar  
 vacuum side leak rate upon request  
 P<sub>2</sub> > P<sub>1</sub> **upon request**  
 gaseous  
 opening **by throttles on pilot valve**  
 closing **by throttles on pilot valve**  
 A ⇌ B as marked  
 upon request  
 1/min upon request  
 ms opening 100-3000 **via pilot valve**  
 closing 100-3000 **via pilot valve**  
 °C -20 to +80  
 °C -20 to +80  
**inductive via adapter**  
**via pilot valve**  
 mounting holes on valve body 2 x M6  
 kg 2,2 **adapter**

**options**

**electrical specifications**

**options**

**pneumatic specifications**

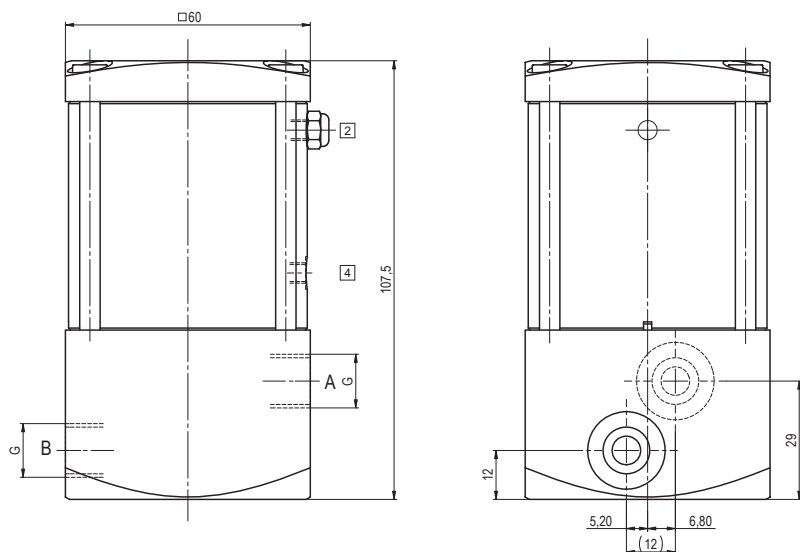
**options**

bar 7  
 cm<sup>3</sup>/stroke 6,5  
 main valve speed variable by throttles on pilot valve  
 via pilot valve by arrangement  
 2/4 M 5

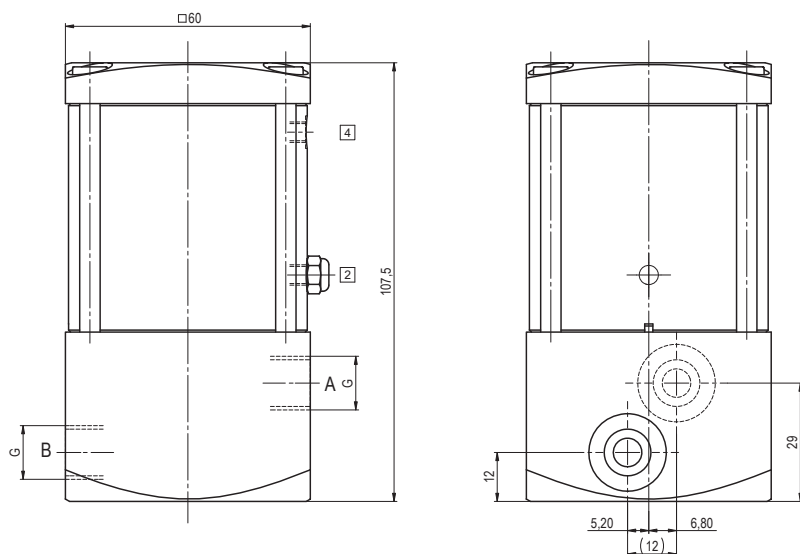
**hydraulic specifications**

**options**

function: **NC**  
closed when not energized



function: **NO**  
open when not energized



**pneumatic actuation (separately)**

