# coax® data sheet - lateral valve

## type RSV 12

03/2022

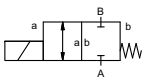
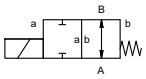

⚠ Above stated body materials refer to the valve port connections that get in contact with the media only!

**details needed**

- orifice
- port
- function NC/NO
- 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. To avoid hydraulic shocks in pipelines, the flow velocities must be taken into account when designing valves for liquids.

| | | |
|---|---|---|
| **2/2-way valve** | **direct acting** | |
| **pressure range** | PN 0-10 bar | |
| **orifice** | DN 15 mm | |
| **connection** | thread | |
| **function** | valve<br>normally closed<br>symbol **NC** |  |
| | valve<br>normally open<br>symbol **NO** |  |
| **operating principle** | pressure balanced, with spring return | |
| **body material** | ① brass<br>③ brass, nickel plated | |
| **valve seat** | synthetic materials on metal | |
| **seal materials** | NBR | FPM |

| | | | | **general specifications** | **options** |
|---|---|---|---|---|---|
| **ports** | RSV | threads G 1/2 - G 3/4 | | | |
| **function** | | NC | | | NO |
| **pressure range** | bar | 0-10 | | | |
| **Kv value** | m³/h | 3,2 | | | |
| **vacuum** | | low vacuum | | | |
| **pressure-vacuum** | $P_1 \Leftrightarrow P_2$ | | | | upon request |
| **back pressure** | $P_2 > P_1$ | | | | |
| **media** | | gaseous - liquid | | | |
| **abrasive media** | | | | | |
| **damping** | opening<br>closing | | | | |
| **flow direction** | A ⇨ B | as marked | | | |
| **switching cycles** | 1/min | 200 | | | |
| **switching time** | ms | opening<br>closing | 28<br>30 | | |
| **media temperature** | °C | DC: -10 to +80<br>AC: -10 to +80 | | | |
| **ambient temperature** | °C | DC: -10 bis +80<br>AC: -10 bis +80 | | | |
| **limit switches** | | | | | |
| **manual override** | | | | | upon request |
| **approvals** | | | | | |
| **mounting** | | | | | mounting bracket / mounting holes |
| **weight** | kg | 1,3 | | | |
| **additional equipment** | | | | | upon request |

| | | | | **electrical specifications** | **options** |
|---|---|---|---|---|---|
| **nominal voltage** | $U_n$ | DC 24 V +5%/-10% | | | special voltage upon request |
| | $U_n$ | AC 230 V +5%/-10% 40-60 Hz | | | special voltage upon request |
| **actuation** | DC<br>AC | direct-current magnet<br>direct-current magnet with integrated rectifier | | | |
| **insulating rating** | H | 180°C | | | |
| **protection** | IP65 | | | | |
| **energized duty rating** | ED | 100% | | | |
| **connection** | | plug acc. DIN EN 175301-803 form A, 4 positions x90° / wire diameter 6-8 mm | | | |
| **optional** | | | | | |
| **additional equipment** | | illuminated plug with varistor | | | |
| **current consumption** | N-coil | DC 24 V<br>AC 230 V 40-60 Hz | 1,30 A<br>0,17 A | | |
| **explosion proof** | | | | | |
| **limit switches** | | | | | |

specifications not highlighted are standard
specifications highlighted in grey are optional

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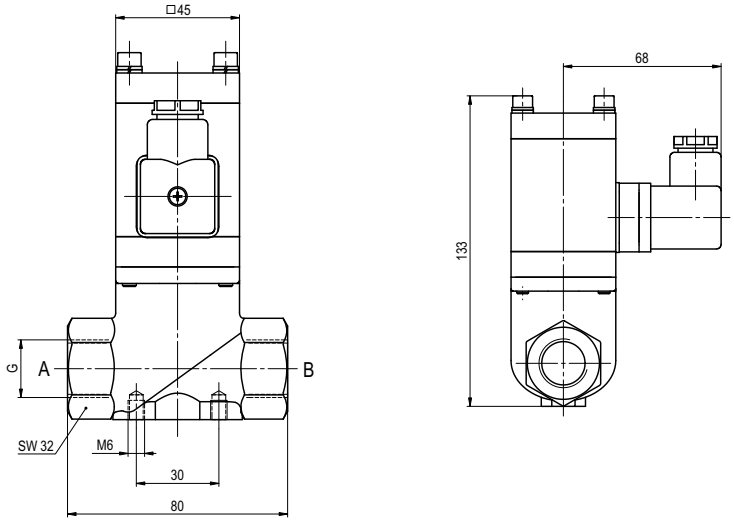
# **coax® data sheet** - lateral valve

## type RSV 12

function: **NC**
closed when not energized




function: **NO**
open when not energized