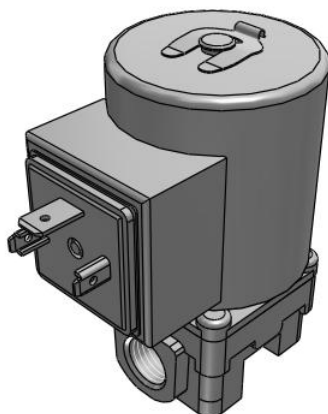




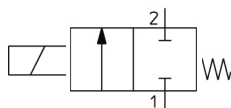
## JSX, Direct Operated 2-Port Solenoid Valve

### JSX31-CN402F-5DN

#### Datasheet

### General series information

- Applicable fluid: air, water, oil
- Flow rate up to 25 l/min (water)
- Orifice diameter: 1.6 to 7.1 mm
- Port size: 1/8" to 3/8"
- Body material: stainless steel, brass and aluminium
- Coil material: stainless steel
- Enclosure: IP67.



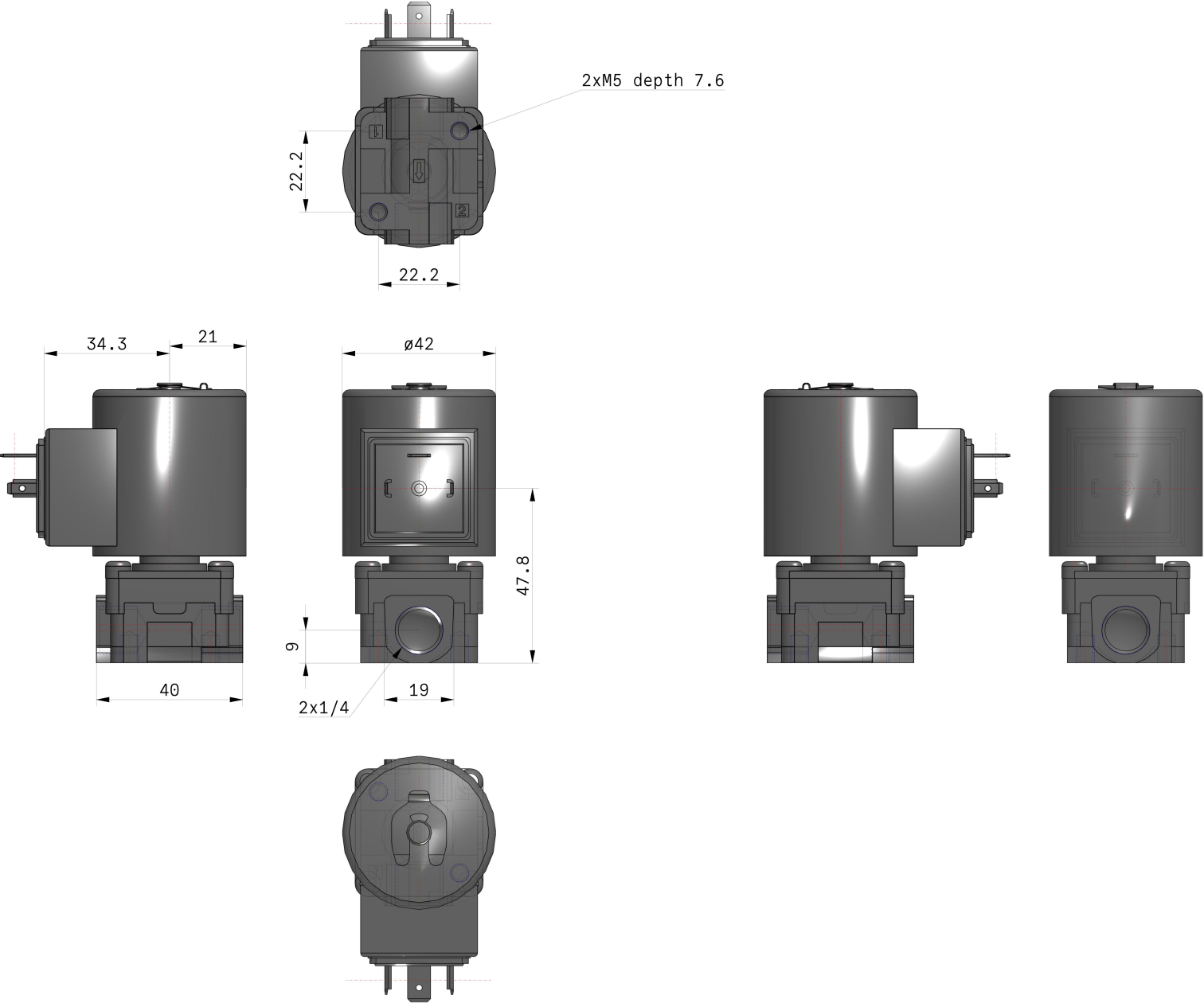
Directional control valve 2/2-way valve, closed normal position Controlled by solenoid coil with one winding, direction of actuation towards the valving element Return with mechanical control spring

### Standard specifications

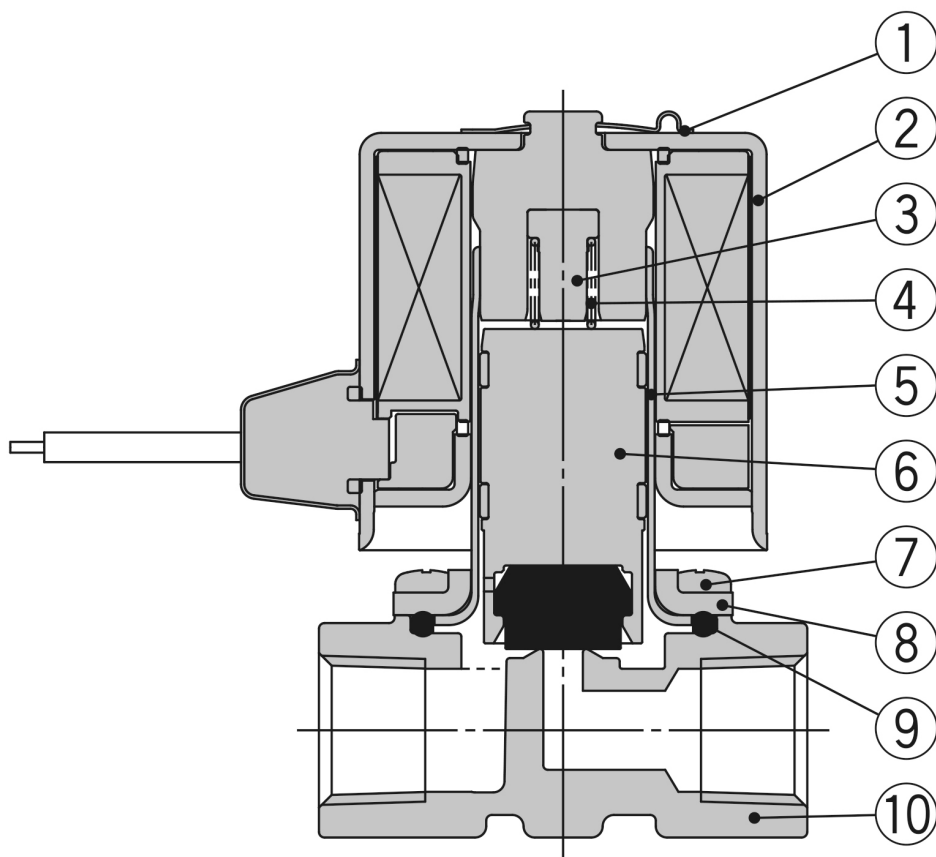
|                                        |                                                        |
|----------------------------------------|--------------------------------------------------------|
| Size                                   | 3 (Series 30)                                          |
| Body Material                          | C (Brass)                                              |
| Seal Material                          | N (NBR)                                                |
| Orifice Diameter/Port Size             | 402 (Orifice Diameter: Ø4 mm; Port Size: 1/4)          |
| Thread Type                            | F (G)                                                  |
| Rated voltage                          | 5 (24 VDC)                                             |
| Electrical Entry                       | DN (without DIN Connector, w/Surge Voltage Suppressor) |
| Oil-free Option                        | None                                                   |
| Bracket                                | None                                                   |
| Maximum temperature of pressure medium | 60 °C                                                  |
| Minimum temperature of pressure medium | Air: -10 °C, Water: 1 °C, Oil: -5 °C                   |
| Maximum operating pressure             | 1 MPa                                                  |
| Proof pressure                         | 2.0 MPa                                                |
| Maximum ambient temperature            | 60 °C                                                  |
| Minimum ambient temperature            | -20 °C                                                 |
| Conform to the European RoHS Directive | Conform                                                |

|                               |                                                                      |
|-------------------------------|----------------------------------------------------------------------|
| Enclosure                     | IP67 (IP65 for the DIN terminal)                                     |
| Allowable voltage fluctuation | ±10% of rated voltage                                                |
| Allowable leakage voltage     | 2 % or less of the rated voltage                                     |
| Power consumption             | 8 W                                                                  |
| Temperature rise              | 65 °C                                                                |
| External Leakage              | Air: 1 cm <sup>3</sup> /min, Water and Oil: 0.1 cm <sup>3</sup> /min |
| Weight                        | 0.540 Kg                                                             |

Dimensions



## Constructions



## Component Parts

| No. | Description              | Material                                 |
|-----|--------------------------|------------------------------------------|
| 1   | <b>Clip</b>              | Stainless steel                          |
| 2   | <b>Solenoid coil</b>     | Stainless steel, Cu,                     |
| 3   | <b>Stopper</b>           | PPS                                      |
| 4   | <b>Spring</b>            | Stainless steel                          |
| 5   | <b>Tube assembly</b>     | Stainless steel                          |
| 6   | <b>Armature assembly</b> | Stainless steel, PPS,<br>NBR (FKM, EPDM) |
| 7   | <b>Mounting screw</b>    | Fe                                       |
| 8   | <b>Bonnet</b>            | Stainless steel                          |
| 9   | <b>Gasket</b>            | NBR (FKM,                                |
| 10  | <b>Body</b>              | Brass                                    |

## Additional information

|                           |                                                                                        |
|---------------------------|----------------------------------------------------------------------------------------|
| Catalogue                 | <a href="#">JSX-JSX-E_EU.pdf</a>                                                       |
| Declaration of conformity | <a href="#">newDoC_JSX_TF1Z310EN.pdf</a><br><a href="#">newDoC_JSX_TF125-551EN.pdf</a> |
| Installation manuals      | <a href="#">IM_JSX_TF2Y014EN-C.pdf</a>                                                 |