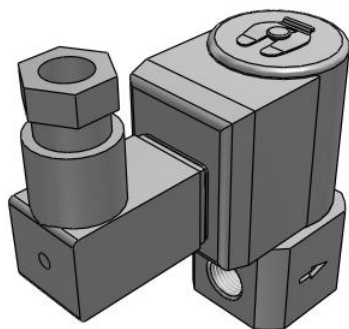




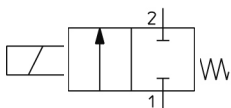
## JSX, Direct Operated 2-Port Solenoid Valve

### JSX11-CN101F-5DS

#### 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.



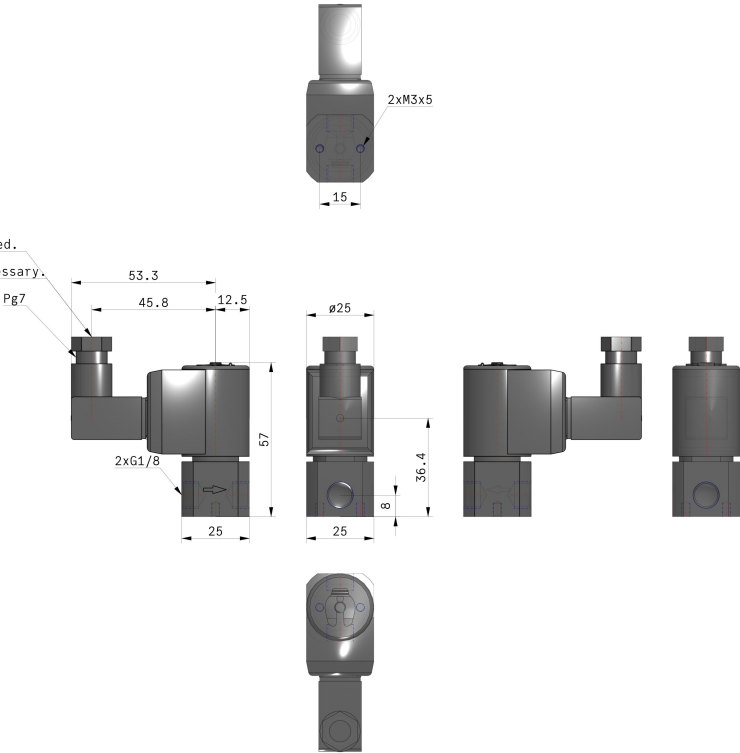
Directional control valve 2/2-way valve, closed normal position Controlled by solenoid coil with one winding, direction of actuation towards the valving element Return with mechanical control spring

### Standard specifications

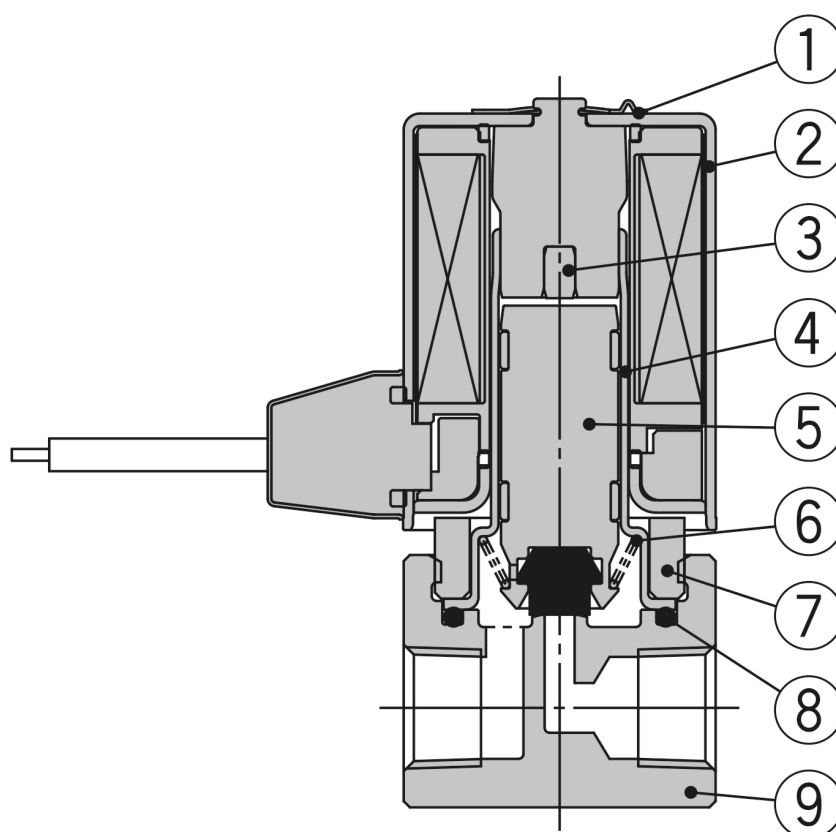
|                                        |                                                              |
|----------------------------------------|--------------------------------------------------------------|
| Size                                   | 1 (Series 10)                                                |
| Body Material                          | C (Brass)                                                    |
| Seal Material                          | N (NBR)                                                      |
| Orifice Diameter/Port Size             | 101 (Orifice Diameter: $\varnothing 1.6$ mm; Port Size: 1/8) |
| Thread Type                            | F (G)                                                        |
| Rated voltage                          | 5 (24 VDC)                                                   |
| Electrical Entry                       | DS (DIN Terminal, 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             | 4 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                        | 0.210 Kg                                                             |

Note: The "DIN terminal connector direction" in this CAD data will not be reflected in the actual product that will be shipped.  
After the product is delivered, please adjust the orientation of the connector as necessary.



## Constructions



## Component Parts

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

## Additional information

|                           |                                          |
|---------------------------|------------------------------------------|
| Catalogue                 | <a href="#">JSX-Da_EU.pdf</a>            |
| Declaration of conformity | <a href="#">newDoC_JSX_TF1Z310EN.pdf</a> |
| Installation manuals      | <a href="#">IM_JSX_TF2Y014EN-C.pdf</a>   |