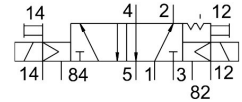


# Solenoid valve

## JMFH-5-1/2-S

Part number: 35548

**FESTO**



## Data sheet

| Feature                                               | Value                                         |
|-------------------------------------------------------|-----------------------------------------------|
| Valve function                                        | 5/2-way, double solenoid                      |
| Type of actuation                                     | Electrical                                    |
| Construction width                                    | 52 mm                                         |
| Standard nominal flow rate (standardised to DIN 1343) | 4500 l/min                                    |
| pneumatic working port                                | G1/2                                          |
| Operating voltage                                     | Via solenoid coil, must be ordered separately |
| Operating pressure                                    | 0 MPa...0.8 MPa<br>0 bar...8 bar              |
| Design                                                | Poppet seat                                   |
| Approval                                              | c UL us - Recognised (Oil)                    |
| Degree of protection                                  | IP65                                          |
| Nominal size                                          | 14 mm                                         |
| Grid dimension                                        | 69 mm                                         |
| Exhaust-air function                                  | Can be throttled                              |
| Sealing principle                                     | Soft                                          |
| Mounting position                                     | Any                                           |
| Manual override                                       | Detenting                                     |
| Type of piloting                                      | Piloted                                       |
| Pilot air supply                                      | External                                      |
| Flow direction                                        | Non-reversible                                |
| lap                                                   | Underlap                                      |
| Pilot pressure                                        | 0.05 MPa...0.8 MPa<br>0.5 bar...8 bar         |
| b value                                               | 0.3                                           |
| C value                                               | 19.5 l/sbar                                   |
| Max. switching frequency                              | 25 Hz                                         |
| Switching time reversal                               | 20 ms                                         |
| Max. positive test pulse with 0 signal                | 2200 µs                                       |
| Max. negative test pulse with 1 signal                | 3700 µs                                       |
| Characteristic coil data                              | See solenoid coil, to be ordered separately   |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [7:4:4]     |

| Feature                            | Value                                                                                      |
|------------------------------------|--------------------------------------------------------------------------------------------|
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC     | 1 - Low corrosion stress                                                                   |
| LABS (PWIS) conformity             | VDMA24364-B1/B2-L                                                                          |
| Storage temperature                | -20 °C...60 °C                                                                             |
| Media temperature                  | -10 °C...60 °C                                                                             |
| Pilot medium                       | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |
| Ambient temperature                | -5 °C...40 °C                                                                              |
| Product weight                     | 1210 g                                                                                     |
| Electrical connection              | Via F coil, to be ordered separately                                                       |
| Type of mounting                   | Either:<br>On manifold rail<br>With through-hole                                           |
| Auxiliary pilot air port 12        | G1/8                                                                                       |
| Auxiliary pilot air port 14        | G1/8                                                                                       |
| Pilot exhaust port 82              | M5                                                                                         |
| Pilot exhaust port 84              | M5                                                                                         |
| Pilot air port 12                  | G1/8                                                                                       |
| Pneumatic connection, port 1       | G1/2                                                                                       |
| Pneumatic connection, port 2       | G1/2                                                                                       |
| Pneumatic connection, port 3       | G1/2                                                                                       |
| Pneumatic connection, port 4       | G1/2                                                                                       |
| Pneumatic connection, port 5       | G1/2                                                                                       |
| Note on materials                  | RoHS compliant                                                                             |
| Material seals                     | NBR<br>TPE-U(PU)                                                                           |
| Material housing                   | Die-cast aluminium                                                                         |