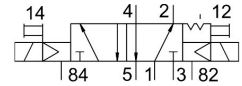


# Solenoid valve

## JMFH-5-1/2

Part number: 10166

FESTO



General operating condition

## 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                                    | 0.2 MPa ... 0.8 MPa                                                                        |
| Operating pressure                                    | 2 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                                                                                    |
| Flow direction                                        | Non-reversible                                                                             |
| Symbol                                                | 00995754                                                                                   |
| lap                                                   | Underlap                                                                                   |
| 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]                                                  |
| 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                                                                           |
| Ambient temperature                                   | -5 °C ... 40 °C                                                                            |

| <b>Feature</b>               | <b>Value</b>                          |
|------------------------------|---------------------------------------|
| Product weight               | 1210 g                                |
| Electrical connection        | Via F coil, to be ordered separately  |
| Type of mounting             | On manifold rail<br>With through-hole |
| Pilot exhaust port 82        | M5                                    |
| Pilot exhaust port 84        | M5                                    |
| 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                    |