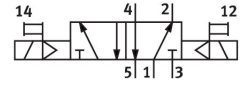
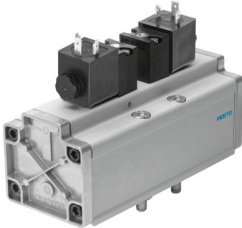


# Air solenoid valve

## JMDH-5/2-3/4-D-4-24DC

Part number: 12458

FESTO



 General operating condition

## Data sheet

| Feature                                  | Value                                                                            |
|------------------------------------------|----------------------------------------------------------------------------------|
| Valve function                           | 5/2, bistable                                                                    |
| Actuation type                           | Electrical                                                                       |
| Width                                    | 76 mm                                                                            |
| Standard nominal flow rate               | 6000 l/min                                                                       |
| Pneumatic working port                   | Sub-base, size 4 as per ISO 5599-1 G3/4                                          |
| Operating voltage                        | 24V DC                                                                           |
| Operating pressure                       | 2 bar ... 16 bar                                                                 |
| Structural design                        | Piston gate valve                                                                |
| Degree of protection                     | IP65                                                                             |
| Nominal width                            | 18 mm                                                                            |
| Width dimension                          | 82 mm                                                                            |
| Exhaust air function                     | With flow control option                                                         |
| Sealing principle                        | Soft                                                                             |
| Mounting position                        | Any                                                                              |
| Conforms to standard                     | ISO 5599-1                                                                       |
| Manual override                          | Non-detenting                                                                    |
| ISO code                                 | 455                                                                              |
| Type of control                          | Pilot-controlled                                                                 |
| Pilot air supply port                    | Internal                                                                         |
| Flow direction                           | Non-reversible                                                                   |
| Symbol                                   | 00991005                                                                         |
| Lap                                      | Overlap                                                                          |
| Changeover time                          | 40 ms                                                                            |
| Duty cycle                               | 100%                                                                             |
| Max. positive test pulse with 0 signal   | 4300 µs                                                                          |
| Max. negative test pulse on 1 signal     | 2100 µs                                                                          |
| Coil characteristics                     | 24 V DC: 6.8 W<br>48 V AC: 50/60 Hz, initial power 14.5 VA, holding power 9.9 VA |
| Operating medium                         | Compressed air as per ISO 8573-1:2010 [7:4:4]                                    |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use)               |
| LABS (PWIS) conformity                   | VDMA24364-B1/B2-L                                                                |
| Temperature of medium                    | -10 °C ... 60 °C                                                                 |
| Noise level                              | 85 dB(A)                                                                         |
| Ambient temperature                      | -10 °C ... 50 °C                                                                 |
| Product weight                           | 2600 g                                                                           |

| Feature                   | Value                              |
|---------------------------|------------------------------------|
| Electrical connection     | as per DIN EN 175301-803           |
| Type of mounting          | With through-hole and screw        |
| Pilot exhaust air port 82 | M5                                 |
| Pilot exhaust air port 84 | M5                                 |
| Pneumatic connection 1    | Sub-base, size 4 as per ISO 5599-1 |
| Pneumatic connection 2    | Sub-base, size 4 as per ISO 5599-1 |
| Pneumatic connection 3    | Sub-base, size 4 as per ISO 5599-1 |
| Pneumatic connection 4    | Sub-base, size 4 as per ISO 5599-1 |
| Pneumatic connection 5    | Sub-base, size 4 as per ISO 5599-1 |
| Note on materials         | RoHS-compliant                     |
| Seals material            | NBR                                |
| Housing material          | Aluminum                           |