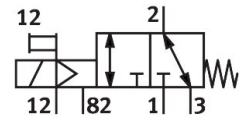


# Air solenoid valve MFH-3-1/8-S-NPT

Part number: 10872

**FESTO**



## Data sheet

| Feature                                           | Value                                                              |
|---------------------------------------------------|--------------------------------------------------------------------|
| Valve function                                    | 3/2-way, closed, monostable                                        |
| Actuation type                                    | Electrical                                                         |
| Width                                             | 26 mm                                                              |
| Normal nominal flow rate (normalized to DIN 1343) | 500 l/min                                                          |
| Pneumatic working port                            | 1/8 NPT                                                            |
| Operating voltage                                 | Via solenoid coil, to be ordered separately                        |
| Operating pressure                                | -0.095 MPa...1 MPa<br>-0.95 bar...10 bar                           |
| Structural design                                 | Plate seat                                                         |
| Reset method                                      | Mechanical spring                                                  |
| Certification                                     | c UL us - recognized (OL)                                          |
| Degree of protection                              | IP65                                                               |
| Nominal width                                     | 5 mm                                                               |
| Width dimension                                   | 27 mm                                                              |
| Exhaust air function                              | Adjustable                                                         |
| Sealing principle                                 | Soft                                                               |
| Mounting position                                 | Any                                                                |
| Type of control                                   | Piloted                                                            |
| Pilot air supply port                             | External                                                           |
| Flow direction                                    | Reversible                                                         |
| Lap                                               | Negative overlap                                                   |
| Pilot pressure MPa                                | 0.1 MPa...0.8 MPa                                                  |
| Pilot pressure                                    | 1 bar...8 bar                                                      |
| Switching time off                                | 33 ms                                                              |
| On switching time                                 | 9 ms                                                               |
| Max. positive test pulse with 0 signal            | 2200 µs                                                            |
| Max. negative test pulse on 1 signal              | 3700 µs                                                            |
| Coil characteristics                              | See solenoid coil, to be ordered separately                        |
| 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) |
| Corrosion resistance class (CRC)                  | 1 - Low corrosion stress                                           |
| LABS (PWIS) conformity                            | VDMA24364-B2-L                                                     |

| Feature                   | Value                                                    |
|---------------------------|----------------------------------------------------------|
| Storage temperature       | -20 °C...60 °C                                           |
| Temperature of medium     | -10 °C...60 °C                                           |
| Pilot medium              | Compressed air as per ISO 8573-1:2010 [7:4:4]            |
| Ambient temperature       | -5 °C...40 °C                                            |
| Product weight            | 240 g                                                    |
| Electrical connection     | Via F coil, to be ordered separately                     |
| Type of mounting          | Alternatively:<br>On terminal strip<br>With through-hole |
| Pilot exhaust air port 84 | M5                                                       |
| Pilot air port 12         | 10-32 UNF-2B                                             |
| Pneumatic connection 1    | 1/8 NPT                                                  |
| Pneumatic connection 11   | 1/8 NPT                                                  |
| Pneumatic connection 2    | 1/8 NPT                                                  |
| Pneumatic connection 3    | 1/8 NPT                                                  |
| Note on materials         | RoHS compliant                                           |
| Seals material            | NBR                                                      |
| Housing material          | Die-cast aluminum                                        |