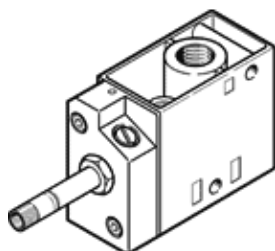


# Solenoid valve

## MFH-3-1/8-S-NPT

Part number: 10872

FESTO



## Data sheet

| Feature                                 | Value   |
|---|---|
| Valve function                          | 3/2 closed, monostable  |
| Type of actuation                       | electrical  |
| Width                                   | 26 mm   |
| Standard nominal flow rate              | 500 l/min   |
| Operating pressure MPa                  | -0.095 ... 1 MPa  |
| Working pressure                        | -0.95 ... 10 bar  |
| Design structure                        | Poppet seat   |
| Type of reset                           | mechanical spring   |
| Authorization                           | c UL us - Recognized (OL)   |
| Protection class                        | IP65  |
| Nominal size                            | 5 mm  |
| Grid dimension                          | 27 mm   |
| Exhaust-air function                    | throttleable  |
| Sealing principle                       | soft  |
| Assembly position                       | Any   |
| Type of piloting                        | Piloted   |
| Pilot air supply                        | external  |
| Flow direction                          | reversible  |
| Lap                                     | Underlap  |
| Pilot pressure MPa                      | 0.1 ... 0.8 MPa   |
| Pilot pressure                          | 1 ... 8 bar   |
| Switching time off                      | 33 ms   |
| Switching time on                       | 9 ms  |
| Max. positive test pulse with logic 0   | 2,200 µs  |
| Max. negative test pulse with logic 1   | 3,700 µs  |
| Characteristic coil data                | See solenoid coil, to be ordered separately                                 |
| Operating medium                        | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                    |
| Note on operating and pilot medium      | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC | 1 - Low corrosion stress  |
| PWIS conformity                         | VDMA24364-B2-L  |
| Storage temperature                     | -20 ... 60 °C   |
| Medium temperature                      | -10 ... 60 °C   |
| Pilot medium                            | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                    |
| Ambient temperature                     | -5 ... 40 °C  |
| Product weight                          | 240 g   |
| Electrical connection                   | Via F coil, must be ordered separately                                      |
| Mounting type                           | on manifold rail<br>with through hole<br>Optional                           |
| Pilot exhaust port 84                   | M5  |
| Pilot air port 12                       | 10-32 UNF-2B  |
| Pneumatic connection, port 1            | 1/8 NPT   |
| Pneumatic connection, 11                | 1/8 NPT   |
| Pneumatic connection, port 2            | 1/8 NPT   |
| Pneumatic connection, port 3            | 1/8 NPT   |
| Materials note                          | Conforms to RoHS  |
| Material seals                          | NBR   |
| Material housing                        | Aluminum die cast   |