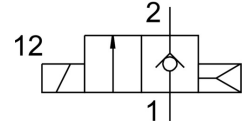
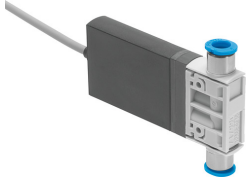


# Air solenoid valve MHJ10-S-0,35-QS-4-MF

Part number: 557604

FESTO



## Data sheet

| Feature   | Value   |
|---|---|
| Valve function  | 2/2, closed, monostable   |
| Actuation type  | Electrical  |
| Width   | 10 mm   |
| Standard nominal flow rate                              | 100 l/min   |
| Pneumatic working port                                  | QS-4  |
| Operating voltage                                       | 24V DC  |
| Operating pressure                                      | 0.05 MPa ... 0.6 MPa  |
| Operating pressure                                      | 0.5 bar ... 6 bar   |
| Structural design                                       | Poppet valve without return spring  |
| Reset method  | Pneumatic spring  |
| Degree of protection                                    | IP65  |
| Certification   | RCM compliance mark   |
| KC characters   | KC EMC  |
| CE marking (see declaration of conformity)              | As per EU EMC directive   |
| Width dimension   | 10.5 mm   |
| Type code   | MHJ10   |
| Information on operation                                | Power supply unit must be able to supply at least 1.7 A without voltage drop.<br>Do not operate without flow.<br>For block assembly with flow rate at max. ambient temperature 45 °C. |
| Sealing principle                                       | Hard  |
| Mounting position                                       | Any   |
| Manual override   | None  |
| Type of control   | Direct  |
| Flow direction  | Non-reversible  |
| Symbol  | 00992259  |
| Reverse polarity protection                             | for operating voltage   |
| Additional functions                                    | Spark suppression<br>Holding current reduction with energy recovery<br>Safety shut-down   |
| b-value   | 0.38  |
| C value   | 0.4 l/sbar  |
| Max. switching frequency                                | 1000 Hz   |
| Switching time on at 4 bar and 24 V in new condition    | 0.8 ms  |
| Switching time off at 4 bar and 24 V in new condition   | 0.4 ms  |
| Switching time on at 0.5 bar and 24 V in new condition  | 0.8 ms  |
| Switching time off at 0.5 bar and 24 V in new condition | 0.5 ms  |

| Feature   | Value   |
|---|---|
| Switching time on at 6 bar and 24 V in new condition  | 0.9 ms  |
| Switching time off at 6 bar and 24 V in new condition | 0.4 ms  |
| Tolerance for switching time off                      | +15 %/-25 %   |
| Tolerance for ON switching time                       | +/-15 %   |
| DC operating voltage range                            | 21.6 V ... 26.4 V   |
| Input resistance                                      | 34 kOhm   |
| Duty cycle  | 100%  |
| Coil characteristics                                  | 24 V DC: low-current phase 2.0 W, high-current phase 7.0 W  |
| Trigger signal range DC                               | 3 V ... 30 V  |
| Note on input current                                 | Linear increase<br>0.09-0.44 mA for a trigger signal of 3-15 V<br>0.44-15.44 mA for a trigger signal of 15-30 V |
| Permissible voltage fluctuations                      | +/- 10 %  |
| Operating medium                                      | Compressed air as per ISO 8573-1:2010 [7:4:4]   |
| Information on operating and pilot media              | Operation with oil lubrication not possible   |
| Restricted ambient and media temperature              | Depending on the switching frequency (see diagram)  |
| Corrosion resistance class (CRC)                      | 2 - Moderate corrosion stress   |
| Storage temperature                                   | -20 °C ... 50 °C  |
| Permissible solenoid surface temperature              | 120 °C  |
| Temperature of medium                                 | -5 °C ... 60 °C   |
| Ambient temperature                                   | -5 °C ... 60 °C   |
| Product weight  | 50 g  |
| Electrical connection                                 | 3-wire<br>Cable   |
| Cable length  | 0.35 m  |
| Type of mounting                                      | Optionally:<br>Line installation<br>With through-hole   |
| Pneumatic connection 1                                | QS-4  |
| Pneumatic connection 2                                | QS-4  |
| Note on materials                                     | RoHS-compliant  |
| Seals material  | HNBR  |
| Housing material                                      | PA-reinforced<br>PPS-reinforced   |
| Material of cable sheath                              | PUR   |
| Material of screws                                    | Steel   |