

# Air solenoid valve MFH-5/3G-3/8-S-B

Part number: 31317

FESTO



[General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function                                    | 5/3-way, closed  |
| Actuation type                                    | Electrical   |
| Width   | 40 mm  |
| Normal nominal flow rate (normalized to DIN 1343) | 2200 l/min   |
| Pneumatic working port                            | G3/8   |
| Operating pressure                                | -0.09 MPa ... 1 MPa  |
| Operating pressure                                | -0.9 bar ... 10 bar  |
| Structural design                                 | Piston gate valve  |
| Reset method                                      | Mechanical spring  |
| Nominal width                                     | 12 mm  |
| Width dimension                                   | 41 mm  |
| Exhaust air function                              | Adjustable   |
| Sealing principle                                 | Soft   |
| Mounting position                                 | Any  |
| Manual override                                   | Non-detenting  |
| Type of control                                   | Piloted  |
| Pilot air supply port                             | External   |
| Flow direction                                    | Reversible   |
| Symbol  | 00991020   |
| Lap   | Positive overlap   |
| Pilot pressure MPa                                | 0.3 MPa ... 1 MPa  |
| Pilot pressure                                    | 3 bar ... 10 bar   |
| Max. switching frequency                          | 3 Hz   |
| Switching time off                                | 96 ms  |
| On switching time                                 | 20 ms  |
| Changeover time                                   | 54 ms  |
| Max. positive test pulse with 0 signal            | 2200 µs  |
| Max. negative test pulse on 1 signal              | 3700 µs  |
| 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-B1/B2-L  |
| Storage temperature                               | -40 °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  |

| <b>Feature</b>            | <b>Value</b>                             |
|---------------------------|--|
| Product weight            | 780 g                                    |
| Electrical connection     | Via F coil, to be ordered separately     |
| Type of mounting          | On PR manifold rail<br>With through-hole |
| Pilot exhaust air port 82 | M5                                       |
| Pilot exhaust air port 84 | M5                                       |
| Pilot air port 12         | G1/8                                     |
| Pilot air port 14         | G1/8                                     |
| Pneumatic connection 1    | G3/8                                     |
| Pneumatic connection 2    | G3/8                                     |
| Pneumatic connection 3    | G3/8                                     |
| Pneumatic connection 4    | G3/8                                     |
| Pneumatic connection 5    | G3/8                                     |
| Note on materials         | RoHS compliant                           |
| Seals material            | NBR                                      |
| Housing material          | Die-cast aluminum                        |