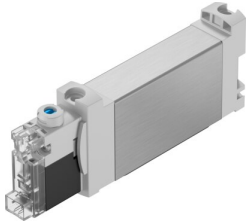


# Solenoid valve

## VUVG-BK14-M52-AT-F-1H2L-S

Part number: 8042571

FESTO



[PDF General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | 5/2-way, single solenoid   |
| Type of actuation                                     | Electrical   |
| Valve size  | 14 mm  |
| Standard nominal flow rate (standardised to DIN 1343) | 380 l/min  |
| pneumatic working port                                | Flange   |
| Operating voltage                                     | 24 V DC  |
| Operating pressure                                    | 0.25 MPa ... 0.7 MPa   |
| Operating pressure                                    | 2.5 bar ... 7 bar  |
| Design  | Piston slide with sealing ring   |
| Type of reset   | Pneumatic spring   |
| Approval  | c UL us - Recognised (Oil)   |
| Certificate issuing authority                         | UL MH19482   |
| Degree of protection                                  | IP40   |
| Exhaust-air function                                  | Can be throttled   |
| Sealing principle                                     | Soft   |
| Mounting position                                     | Any  |
| Manual override                                       | Detenting<br>Non-detenting   |
| Type of piloting                                      | Piloted  |
| Pilot air supply                                      | Internal   |
| Flow direction  | Non-reversible   |
| Symbol  | 00992908   |
| lap   | Overlap  |
| Signal status display                                 | LED  |
| Max. switching frequency                              | 2 Hz   |
| Switching time off                                    | 24 ms  |
| Switching time on                                     | 14 ms  |
| Duty cycle  | 100%   |
| Max. positive test pulse with 0 signal                | 1600 µs  |
| Max. negative test pulse with 1 signal                | 3000 µs  |
| Characteristic coil data                              | 24 V DC: 0.8 W   |
| Permissible voltage fluctuations                      | +/-10%   |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| Note on operating and pilot medium                    | Lubricated operation possible (in which case lubricated operation will always be required) |

| <b>Feature</b>                 | <b>Value</b>   |
|--------------------------------|--|
| Vibration resistance           | Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6 |
| Shock resistance               | Shock test with severity level 1 to FN 942017-5 and EN 60068-2-27                |
| Corrosion resistance class CRC | 0 - No corrosion stress  |
| LABS (PWIS) conformity         | VDMA24364 zone III   |
| Media temperature              | -5 °C ... 50 °C  |
| Pilot medium                   | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| Ambient temperature            | -5 °C ... 50 °C  |
| Product weight                 | 65 g   |
| Electrical connection          | Plug   |
| Type of mounting               | On manifold rail<br>With through-hole  |
| Pneumatic connection, port 2   | Flange   |
| Pneumatic connection, port 4   | Flange   |
| Note on materials              | RoHS compliant   |
| Material seals                 | HNBR<br>NBR  |
| Material housing               | Wrought aluminium alloy  |