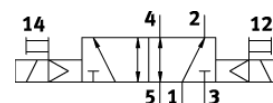


# Solenoid valve

## VUVG-L18-B52-G14-P1

Part number: 8033555

FESTO



## Data sheet

| Feature                                 | Value  |
|---|--|
| Valve function                          | 5/2 bistable   |
| Type of actuation                       | electrical   |
| Valve size                              | 18 mm  |
| Standard nominal flow rate              | 1,380 l/min  |
| Operating pressure MPa                  | 0.15 ... 0.8 MPa   |
| Working pressure                        | 1.5 ... 8 bar  |
| Design structure                        | Piston slide   |
| Authorization                           | c UL us - Recognized (OL)  |
| Certificate issuing department          | UL MH19482   |
| Protection class                        | IP65<br>With electric pilot valve and plug socket  |
| Nominal size                            | 7.3 mm   |
| Exhaust-air function                    | throttleable   |
| Sealing principle                       | soft   |
| Assembly position                       | Any  |
| Type of piloting                        | Piloted  |
| Pilot air supply                        | Internal   |
| Lap                                     | Positive overlap   |
| Pilot pressure MPa                      | 0.15 ... 0.8 MPa   |
| Pilot pressure                          | 1.5 ... 8 bar  |
| Switching time reversal                 | 12 ms  |
| Duty cycle                              | 100 %  |
| Max. positive test pulse with logic 0   | 700 µs   |
| Max. negative test pulse with logic 1   | 900 µs   |
| 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)                    |
| Vibration resistance                    | Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 |
| Shock resistance                        | Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27              |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress  |
| PWIS conformity                         | VDMA24364-B1/B2-L  |
| Medium temperature                      | -5 ... 60 °C   |
| Ambient temperature                     | -5 ... 60 °C   |
| Product weight                          | 140 g  |
| Electrical connection                   | Via electric pilot valve   |
| Mounting type                           | on manifold rail<br>with through hole<br>Optional  |
| Pneumatic connection, port 1            | G1/4   |
| Pneumatic connection, port 2            | G1/4   |
| Pneumatic connection, port 3            | G1/4   |
| Pneumatic connection, port 4            | G1/4   |
| Pneumatic connection, port 5            | G1/4   |
| Pilot interface                         | According to ISO 15218   |
| Materials note                          | Conforms to RoHS   |
| Material seals                          | HNBR<br>NBR  |
| Material housing                        | Wrought Aluminum alloy   |