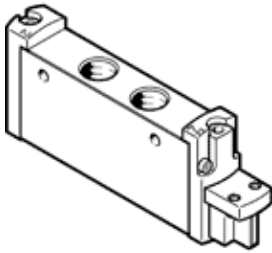


Solenoid valve

VUVG-L18-M52-M-G14-P1

Part number: 8033554

FESTO



Data sheet

| Feature | Value |
|---|--|
| Valve function | 5/2 monostable |
| Type of actuation | electrical |
| Valve size | 18 mm |
| Standard nominal flow rate | 1,300 l/min |
| Operating pressure MPa | 0.3 ... 0.8 MPa |
| Working pressure | 3 ... 8 bar |
| Design structure | Piston slide |
| Type of reset | mechanical spring |
| Authorization | c UL us - Recognized (OL) |
| Certificate issuing department | UL MH19482 |
| Protection class | IP65 With electric pilot valve and plug socket |
| Nominal size | 6.9 mm |
| Exhaust-air function | throttleable |
| Sealing principle | soft |
| Assembly position | Any |
| Type of piloting | Piloted |
| Pilot air supply | Internal |
| Lap | Indefinite overlap |
| Pilot pressure MPa | 0.3 ... 0.8 MPa |
| Pilot pressure | 3 ... 8 bar |
| Switching time off | 26 ms |
| Switching time on | 14 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 | 142 g |
| Electrical connection | Via electric pilot valve |
| Mounting type | on manifold rail with through hole Optional |
| Pneumatic connection, port 1 | G1/4 |
| Pneumatic connection, port 2 | G1/4 |
| Pneumatic connection, port 4 | G1/4 |
| Pneumatic connection, port 5 | G1/4 |

| Feature | Value |
|------------------|------------------------|
| Pilot interface | According to ISO 15218 |
| Materials note | Conforms to RoHS |
| Material seals | HNBR NBR |
| Material housing | Wrought Aluminum alloy |