

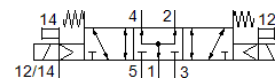
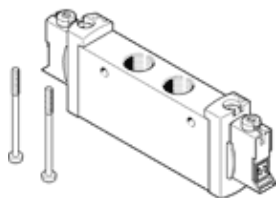
Solenoid valve

VUVG-L18-P53U-ZT-G14-1P3

Part number: 574442

FESTO

This type is suitable for vacuum.



Data sheet

| Feature | Value |
|--|--|
| Valve function | 5/3 pressurized |
| Type of actuation | electrical |
| Valve size | 18 mm |
| Standard nominal flow rate | 1,000 l/min |
| Operating pressure MPa | -0.09 ... 1 MPa |
| Working pressure | -0.9 ... 10 bar |
| Design structure | Piston slide |
| Type of reset | mechanical spring |
| Authorization | RCM Mark c UL us - Recognized (OL) |
| Protection class | IP40 IP65 with plug socket |
| Nominal size | 6.3 mm |
| Exhaust-air function | throttleable |
| Sealing principle | soft |
| Assembly position | Any |
| Manual override | detenting Pushing Covered |
| Type of piloting | Piloted |
| Pilot air supply | external |
| Lap | Indefinite overlap |
| Pilot pressure MPa | 0.3 ... 0.8 MPa |
| Pilot pressure | 3 ... 8 bar |
| Switching time off | 48 ms |
| Switching time on | 15 ms |
| Switching time reversal | 29 ms |
| Duty cycle | 100 % |
| Max. positive test pulse with logic 0 | 700 µs |
| Max. negative test pulse with logic 1 | 900 µs |
| Characteristic coil data | 24 V DC: 1 W 24 V DC: low-current phase 0.3 W, high-current phase 1.0 W |
| Permissible voltage fluctuation | +/- 10 % |
| 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 |
| Restriction ambient and medium temperature | Without holding current reduction -5 - 50 °C |
| 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 |

| Feature | Value |
|--------------------------------|--|
| PWIS conformity | VDMA24364-B1/B2-L |
| Medium temperature | -5 ... 60 °C |
| Pilot medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Ambient temperature | -5 ... 60 °C |
| Product weight | 160 g |
| Electrical connection | Via electrical connection plate |
| Mounting type | on manifold rail with through hole Optional |
| Auxiliary pilot air port 12/14 | M5 |
| 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 |
| Materials note | Conforms to RoHS |
| Material seals | HNBR NBR |
| Material housing | Wrought Aluminum alloy |