

Solenoid valve

VUVG-B14-B52-ZT-F-1T1L-F1A

FESTO

Part number: 8150401



[PDF](#) General operating condition

Data sheet

| Feature | Value |
|---|--|
| Valve function | 5/2-way, double solenoid |
| Type of actuation | Electrical |
| Valve size | 14 mm |
| Standard nominal flow rate (standardised to DIN 1343) | 510 l/min |
| pneumatic working port | Flange |
| Operating voltage | 24 V DC |
| Operating pressure | -0.09 MPa ... 1 MPa |
| Operating pressure | -0.9 bar ... 10 bar |
| Design | Piston gate valve |
| Approval | c UL us - Recognised (Oil) |
| Degree of protection | IP40 |
| Exhaust-air function | Can be throttled |
| Sealing principle | Soft |
| Mounting position | Any |
| Manual override | Detenting Non-detenting |
| Type of piloting | Piloted |
| Pilot air supply | External |
| Flow direction | Reversible |
| Symbol | 00991125 |
| lap | Overlap |
| Signal status display | LED |
| Pilot pressure | 0.15 MPa ... 0.8 MPa |
| Pilot pressure | 1.5 bar ... 8 bar |
| Max. switching frequency | 3 Hz |
| Switching time reversal | 9 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 | 22 V DC: 1.0 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) |
| Vibration resistance | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 |

| Feature | Value |
|---|--|
| Shock resistance | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 |
| Corrosion resistance class CRC | 0 - No corrosion stress |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Suitability for the production of Li-ion batteries | Suitable for battery production with reduced Cu/Zn/Ni values (F1a) |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 6 according to ISO 14644-1 |
| Media temperature | -5 °C ... 60 °C |
| Pilot medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Ambient temperature | -5 °C ... 60 °C |
| Product weight | 98 g |
| Electrical connection | Via E-box |
| Type of mounting | On manifold rail |
| Note on materials | RoHS compliant |
| Material seals | HNBR NBR |
| Material housing | Wrought aluminium alloy |