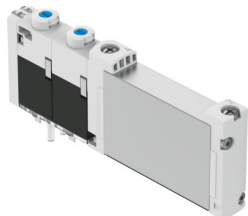


Solenoid valve

VUVG-B10-B52-ZT-F-1T1L-F1A

Part number: 8150398

FESTO



Data sheet

| Feature | Value |
|---|--|
| Valve function | 5/2 double solenoid |
| Type of actuation | Electric |
| Valve size | 10 mm |
| Standard nominal flow rate (standardised to DIN 1343) | 220 l/min |
| pneumatic working port | Flange |
| Operating voltage | 24V DC |
| Operating pressure | -0.09 MPa...1 MPa -0.9 bar...10 bar |
| Design | Piston gate valve |
| Approval | c UL us - Recognized (OL) |
| Degree of protection | IP40 |
| Exhaust-air function | With flow control option |
| Sealing principle | Soft |
| Mounting position | optional |
| Manual override | Detenting Non-detenting |
| Type of piloting | Pilot actuated |
| Pilot air supply | External |
| Flow direction | Reversible |
| lap | Overlap |
| Variants | Metals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils. |
| Signal status display | LED |
| Pilot pressure | 0.15 MPa...0.8 MPa 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 |

| Feature | Value |
|--|--|
| 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 |
| 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 | Product corresponds to the internal product definition from Festo for use in battery production: Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils |
| Cleanroom class | 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 | 60 g |
| Electrical connection | Via sub-base |
| Type of mounting | On manifold rail |
| Note on materials | RoHS-compliant |
| Material seals | HNBR NBR |
| Material housing | Wrought aluminium alloy |