# solenoid valve <br> VUVG-B18-P53C-ZT-F-1P3 <br> Part number: 574452 

FESTO

This type is suitable for vacuum.


Data sheet

| Feature | Value |
| :---: | :---: |
| Valve function | 5/3 closed |
| Type of actuation | electrical |
| Valve size | 18 mm |
| Standard nominal flow rate | $9501 / \mathrm{min}$ |
| Operating pressure | -0.9 ... 10 bar |
| Design structure | Piston slide |
| Type of reset | mechanical spring |
| Authorisation | RCM Mark c CSA us (OL) c UL us - Recognized (OL) |
| Protection class | $\begin{aligned} & \text { IP40 } \\ & \text { IP65 } \\ & \text { with plug socket } \end{aligned}$ |
| Nominal size | 6.5 mm |
| Exhaust-air function | throttleable |
| Sealing principle | soft |
| Assembly position | Any |
| Manual override | detenting Pushing Covered |
| Type of piloting | Piloted |
| Pilot air supply | external |
| Overlap | Positive overlap |
| 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 | $700 \mu \mathrm{~s}$ |
| Max. negative test pulse with logic 1 | $900 \mu \mathrm{~s}$ |
| 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 | $-5-50^{\circ} \mathrm{C}$ <br> Without holding current reduction |
| 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 |
| Medium temperature | $-5 . .60^{\circ} \mathrm{C}$ |


| Feature | Value |
| :--- | :--- |
| Pilot medium | Compressed air in accordance with IS08573-1:2010[7:4:4] |
| Ambient temperature | $-5 \ldots 60^{\circ} \mathrm{C}$ |
| Product weight | 160 g |
| Electrical connection | Via electrical connection plate |
| Mounting type | on manifold rail |
| Materials note | Conforms to RoHS |
| Material seals | HNBR <br>  <br>  <br> NBR |
| Material housing | Wrought Aluminium alloy |

