

# Pinch valve

## VZQA-C-M22U-6-S5S5-V4V4S1-4

Part number: 2931682

FESTO



## Data sheet

| Feature                        | Value   |
|--------------------------------|---|
| Structural design              | Pinch valve, pneumatically operated   |
| Actuation type                 | Pneumatic   |
| Sealing principle              | Soft  |
| Mounting position              | Any   |
| Type of mounting               | Line installation   |
| Fitting connection             | Clamp as per DIN 32676 series A   |
| Nominal width DN               | 6   |
| Valve function                 | 2/2, open, monostable   |
| Flow direction                 | Reversible  |
| Medium pressure                | 0 MPa...0.4 MPa<br>0 bar...4 bar<br>0 psi...58 psi  |
| Note on the medium pressure    | Use in the vacuum range was tested up to -0.09 MPa with the air at room temperature. Depending on the application, a counter-vacuum may have to be created on the control side to guarantee the media flow. |
| Operating pressure             | 0.1 MPa...0.65 MPa<br>1 bar...6.5 bar<br>14.5 psi...94.25 psi   |
| Nominal pressure of fitting PN | 10  |
| Differential pressure          | 0.25 MPa<br>2.5 bar<br>36.25 psi  |
| Burst pressure                 | 1.6 MPa<br>16 bar<br>232 psi  |
| Overload pressure              | 0.78 MPa<br>7.8 bar<br>113.1 psi  |
| Reset method                   | Rebound resilience  |
| Type of control                | Externally controlled   |

| Feature  | Value   |
|--|---|
| Auxiliary pilot air port 12                        | M5  |
| Pilot medium                                       | Compressed air as per ISO 8573-1:2010 [7:4:4]   |
| Medium   | Compressed air as per ISO 8573-1:2010 [-:-:-]   |
| Max. viscosity                                     | 4000 mm <sup>2</sup> /s   |
| Temperature of medium                              | -5 °C...150 °C  |
| Ambient temperature                                | -5 °C...60 °C   |
| Storage temperature                                | 5 °C...30 °C  |
| Flow rate Kv                                       | 0.7 m <sup>3</sup> /h   |
| On switching time                                  | 125 ms  |
| Switching time off                                 | 125 ms  |
| Note on materials                                  | RoHS-compliant  |
| LABS (PWIS) conformity                             | VDMA24364 zone III  |
| Suitability for the production of Li-ion batteries | Product corresponds to Festo's internal product definition 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, circuit boards, cables, electrical plug connectors and coils |
| Housing material                                   | High-alloy stainless steel  |
| Material number of housing                         | 1.4404  |
| Housing cover material                             | High-alloy stainless steel  |
| Seals material                                     | FPM   |
| Shut-off element material                          | VMQ (silicone)  |
| Product weight                                     | 215 g   |
| For use in the food industry                       | See declaration of conformity   |
| Material of bowl                                   | PA6   |