

# Angle seat valve

## VZX-A-TS6-32-M6-B1T-16-K-75-20-PR-PM

FESTO

Part number: 8111586



## Data sheet

| Feature                               | Value                                                                        |
|---------------------------------------|------------------------------------------------------------------------------|
| Design                                | Poppet valve with piston drive                                               |
| Type of actuation                     | Pneumatic                                                                    |
| Mounting position                     | optional                                                                     |
| Type of mounting                      | In-line installation                                                         |
| Line connection                       | Threaded coupling G1 1/4 to DIN ISO 228                                      |
| Valve function                        | 2/2                                                                          |
| Flow direction                        | Non-reversible                                                               |
| Medium pressure                       | 0 MPa...1.6 MPa<br>0 bar...16 bar                                            |
| Type of reset                         | Mechanical spring                                                            |
| Type of piloting                      | Externally controlled                                                        |
| Pneumatic connection                  | Female thread G1/8                                                           |
| Operating pressure                    | 0.5 MPa...0.7 MPa<br>5 bar...7 bar<br>72.5 psi...101.5 psi                   |
| Medium                                | Vapour<br>Inert gases<br>Filtered compressed air, grade of filtration 200 µm |
| Direction of flow                     | Above valve seat, for gaseous media                                          |
| Control of medium                     | On/off operation                                                             |
| Operating medium                      | Compressed air to ISO 8573-1:2010 [7:4:4]                                    |
| Max. viscosity                        | 600 mm²/s                                                                    |
| Media temperature                     | -10 °C...60 °C                                                               |
| Ambient temperature                   | 0 °C...60 °C                                                                 |
| Flow rate Kv                          | 25.3 m³/h                                                                    |
| Outdoor applications                  | Weather-protected application areas Class C1 based on IEC 60654-1            |
| Note on materials                     | RoHS-compliant                                                               |
| LABS (PWIS) conformity                | VDMA24364 zone III                                                           |
| Material process valve housing        | Brass                                                                        |
| Material number process valve housing | CW724R                                                                       |

| Feature                                      | Value                                              |
|----------------------------------------------|----------------------------------------------------|
| Material seals                               | FPM                                                |
| Material spindle seal                        | PTFE                                               |
| Material seat seal                           | PTFE                                               |
| Product weight                               | 3001 g                                             |
| CE mark (see declaration of conformity)      | In accordance with EU Pressure Equipment Directive |
| UKCA marking (see declaration of conformity) | to UK Pressure Equipment Regulations               |
| Size of drive                                | 75 mm                                              |
| Stroke                                       | 20 mm                                              |
| Control function                             | Closed via reduced spring force, N/C               |
| Position detection                           | Via mechanical indicator                           |
| Material drive housing                       | PA-reinforced                                      |
| Storage temperature                          | -10 °C...60 °C                                     |
| Degree of protection                         | IP65<br>IP67                                       |
| Material piston rod                          | High-alloy stainless steel                         |
| Material cover                               | PA-reinforced                                      |