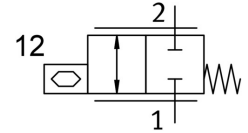


# Piezo valve VEAE-BB-6-12-D9-X4

Part number: 8078916

**FESTO**



## Data sheet

| Feature                            | Value                                                                                                                               |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Type code                          | VEAE                                                                                                                                |
| Medium                             | Compressed air as per ISO 8573-1:2010 [5:3:1]<br>Inert gas<br>Oxygen (oxygen applications according to IEC 60601-1 only on request) |
| Special features                   | Oxygen-compatible as per DIN EN 1797                                                                                                |
| Information on medium              | Operation with oil lubrication not possible                                                                                         |
| Max. switching frequency           | 12 Hz                                                                                                                               |
| Flow direction                     | Non-reversible                                                                                                                      |
| Shock resistance                   | Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27                                                               |
| Duty cycle                         | 100%                                                                                                                                |
| Vibration resistance               | Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6                                                |
| Relative air humidity              | 0 - 60 %<br>Non-condensing                                                                                                          |
| Burst pressure                     | 25 bar                                                                                                                              |
| Max. current consumption           | 0.011 A                                                                                                                             |
| Nominal operating pressure         | 5 bar                                                                                                                               |
| Nominal width                      | 1.2 mm                                                                                                                              |
| Width dimension                    | 20.5 mm                                                                                                                             |
| Operating pressure                 | 0 bar ... 6 bar                                                                                                                     |
| Total leakage                      | <0.4 l/h                                                                                                                            |
| Pressure dew point                 | ≤ -20 °C                                                                                                                            |
| Grade of filtration                | ≤5 µm                                                                                                                               |
| Note on standard nominal flow rate | Fertigungsbedingte Streuung                                                                                                         |
| Valve function                     | 2/2, closed, monostable                                                                                                             |
| Type of control                    | Direct                                                                                                                              |
| Reset method                       | Mechanical spring                                                                                                                   |
| Actuation type                     | Electrical                                                                                                                          |
| Mounting position                  | Any                                                                                                                                 |
| Sealing principle                  | Soft                                                                                                                                |
| Symbol                             | 00995952                                                                                                                            |
| Ambient temperature                | -10 °C ... 60 °C                                                                                                                    |
| Temperature of medium              | -10 °C ... 60 °C                                                                                                                    |
| Storage temperature                | -20 °C ... 70 °C                                                                                                                    |
| Dimensions W x L x H               | 64 mm x 24 mm x 12 mm                                                                                                               |
| Pneumatic connection 1             | Flange                                                                                                                              |
| Pneumatic connection 2             | Flange                                                                                                                              |

| Feature                           | Value                                                          |
|-----------------------------------|----------------------------------------------------------------|
| Seals material                    | EPDM                                                           |
| Type of mounting                  | With through-hole                                              |
| Standard nominal flow rate        | 53 l/min ... 60 l/min                                          |
| Product weight                    | 10 g                                                           |
| Degree of protection              | IP40<br>In mounted state                                       |
| Note on materials                 | Contains paint-wetting impairment substances<br>RoHS-compliant |
| Corrosion resistance class (CRC)  | 2 - Moderate corrosion stress                                  |
| DC operating voltage range        | 0 V ... 300 V                                                  |
| Nominal operating voltage DC      | 300 V                                                          |
| Max. electrical power consumption | 0.1 W                                                          |
| Electrical connection             | 3-pin<br>Plug<br>Flexible circuit board connector, RM 2.5 mm   |
| Housing material                  | PA-reinforced                                                  |