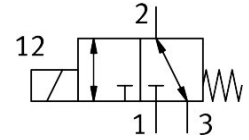


Media separated solenoid valve VYKC-F16-M32-20-PE-H2

Part number: 8172707

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|---|---|
| Structural design | Rocker valve with diaphragm seal |
| Sealing principle | Soft |
| Materials in contact with the media | PEEK |
| For use in the food industry | See supplementary material information |
| Valve function | 3/2, open/closed, monostable |
| Nominal width | 2 mm |
| Flow direction | Reversible |
| Actuation type | Electrical |
| Type of control | Direct |
| Reset method | Mechanical spring |
| Manual override | None |
| Mounting position | Any |
| Type of mounting | With through-hole for M2.5 screw |
| Electrical connection 1, connection type | Cable with plug |
| Electrical connection 1, connection technology | Connection diagram H |
| Electrical connection for input 1, connection pattern | 00995622 |
| Size | 16 |
| Width dimension | 17 mm |
| Fluid connector | Flange |
| Medium | Liquid media Gaseous media |
| Information on medium | Observe resistance of materials that come into contact with media Maximum particle size 5 µm |
| Internal volume | 59 µl fluid chamber valve 94 µl valve with fl. conn. |
| Temperature of medium | 0 °C ... 50 °C |
| Temperature of liquid media | 0 °C ... 50 °C |
| Ambient temperature | 0 °C ... 50 °C |
| Storage temperature | -20 °C ... 70 °C |
| Medium pressure | -0.075 MPa ... 0.2 MPa |
| Medium pressure | -0.75 bar ... 2 bar |
| Medium pressure | -10.875 psi ... 29 psi |
| Burst pressure | 2 MPa |
| Burst pressure | 20 bar |
| Burst pressure | 290 psi |
| Total leakage | 0.004 l/h |

| Feature | Value |
|---|---|
| DC operating voltage range | 12 V ... 24 V |
| Note on operating voltage range DC | Holding current reduction necessary |
| Coil characteristics | 12 - 24 V DC: Low-current phase 1.4 W, high-current phase 5.5 W |
| Insulation class | B |
| Duty cycle | 100% in combination with holding current reduction Follow the instructions on operating the air solenoid valves. |
| Max. switching frequency | 4 Hz |
| Note on switching frequency | Dependent on the ambient temperature and installation state |
| Response time "on" for liquid media | 17 ms |
| Switching time on gaseous media | 13 ms |
| Response time "off" for liquid media | 12 ms |
| Switching time off gaseous media | 3 ms |
| Normal nominal flow rate (normalized to DIN 1343) | 62 l/min |
| Note on standard nominal flow rate | At a pressure drop of 1 -> 0 bar (gaseous media) |
| Flow rate Kv | 0.046 m ³ /h |
| Flow rate Kv | 0.77 l/min |
| Note on flow rate Kv | For the medium water Pressure difference 1 bar |
| Water flow rate at max. operating pressure | 0.07 m ³ /h 1.2 l/min |
| Symbol | 00992967 |
| Housing material | PEEK |
| Diaphragm material | EPDM |
| Seals material | EPDM |
| Note on materials | RoHS-compliant |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Product weight | 50 g |
| Degree of protection | IP40 |
| Note on degree of protection | In mounted state |
| Application note | For indoor use only |
| Corrosion resistance class (CRC) | 0 - No corrosion stress |
| CE marking (see declaration of conformity) | As per EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions |