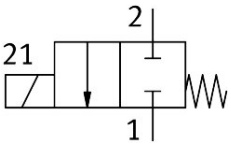
# Media separated solenoid valve
# VYKB-F12-M22C-20-PE-5HPS

Part number: 8140315






General operating condition

## Data sheet

| Feature | Value |
|---|---|
| Structural design | Electrical connection at top<br>Rocker valve with diaphragm seal |
| Sealing principle | Soft |
| Materials in contact with the media | PEEK |
| Valve function | 2/2, closed, monostable |
| Nominal width | 2 mm |
| Flow direction | Non-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 M3 screw |
| Electrical connection 1, connection type | Cable with plug |
| Electrical connection 1, connection technology | Port pattern HP |
| Size | 12 |
| Fluid connector | Flange |
| Medium | Liquid media<br>Gaseous media |
| Information on medium | Observe resistance of materials that come into contact with media<br>Maximum particle size 5 µm |
| Internal volume | 60 µl |
| 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 ... 0.3 MPa |
| Medium pressure | -0.75 bar ... 3 bar |
| Medium pressure | -10.875 psi ... 43.5 psi |
| Overload pressure | 0.45 MPa |
| Overload pressure | 4.5 bar |
| Overload pressure | 65.25 psi |
| DC operating voltage range | 12 V |
| Permissible voltage fluctuations | -5 % / +10 % |
| Coil characteristics | 12 V DC: low-current phase 1 W, high-current phase 5.2 W |
| Duty cycle | 100% |

| Feature | Value |
|---|---|
| Max. switching frequency | 2 Hz |
| On switching time | ≤15 ms |
| Switching time off | ≤15 ms |
| Flow rate Kv | 0.056 m³/h |
| Symbol | 00997351 |
| Housing material | PEEK |
| Diaphragm material | EPDM |
| Seals material | EPDM |
| Note on materials | RoHS-compliant |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Product weight | 40 g |
| Degree of protection | IP40 |
| Corrosion resistance class (CRC) | 0 - No corrosion stress |
| CE marking (see declaration of conformity) | As per EU EMC directive<br>As per EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC<br>To UK RoHS instructions |