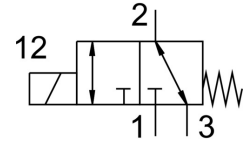


Solenoid valve VYKA-F7-M32-12-D2-PF-5YQ7

Part number: 8114564

FESTO



Data sheet

| Feature | Value |
|---|---|
| Type code | VYKA |
| Electrical connection 1, connection technology | Connection diagram Q7 |
| Electrical connection 1, connection type | Socket |
| Note on degree of protection | In mounted state |
| Fluid connector | Flange |
| Note on operating voltage range DC | With electrical sub-base VAVE-K1-... |
| Materials in contact with the media | FFPM PEEK |
| Information on medium | Observe resistance of materials that come into contact with media Maximum particle size 5 µm |
| For use in the food industry | See supplementary material information |
| Internal volume | 22 µl including 2 fluid connections |
| Electrical connection for input 1, connection pattern | 00997312 |
| Note on switching frequency | Dependent on the ambient temperature and installation state |
| Size | 7 |
| Note on power consumption | Low-current phase 0.3 W, high-current phase 3.5 W for 60 ms, in combination with VAVE-K1-... |
| Water flow rate at max. operating pressure | 0.03 m³/h |
| Burst pressure | 2.3 MPa |
| Electrical connection 1, number of pins/wires | 2 |
| Medium pressure | 0 psi ... 29 psi |
| Pressure of medium, reversible | 0 MPa ... 0.1 MPa |
| Width dimension | 7.5 mm |
| Electrical power consumption | 3.5 W |
| DC operating voltage range | 12 V ... 26 V |
| Medium pressure | 0 MPa ... 0.2 MPa |
| Pressure of medium, reversible | 0 psi ... 14.5 psi |
| Storage temperature | -20 °C ... 70 °C |
| Application note | For indoor use only |
| Note on flow rate Kv | Für Medium Wasser Druckdifferenz 1 bar |
| Design | Rocker valve with diaphragm seal |
| Actuation type | Electrical |
| Sealing principle | Soft |
| Mounting position | Any |
| Type of mounting | With through-hole for M2 screw |
| Nominal width | 1.2 mm |

| Feature | Value |
|--------------------------------------|---|
| Valve function | 3/2, open/closed, monostable |
| Manual override | None |
| Flow direction | Reversible with restrictions |
| Medium | Liquid media Gaseous media |
| Coil characteristics | 12 - 26 V DC: low-current phase 0.06 W, high-current phase 2.2 W |
| Insulation class | B |
| Permissible voltage fluctuations | +/- 10 % |
| Duty cycle | 100% in combination with holding current reduction Follow the instructions on operating the air solenoid valves. |
| Reset method | Mechanical spring |
| Type of control | Direct |
| Symbol | 00992967 |
| Temperature of medium | 15 °C ... 50 °C |
| Temperature of liquid media | 15 °C ... 50 °C |
| Ambient temperature | 15 °C ... 50 °C |
| Flow rate Kv | 0.021 m³/h |
| On switching time | 5 ms |
| Response time "on" for liquid media | 5 ms |
| Switching time off | 5 ms |
| Response time "off" for liquid media | 6 ms |
| Note on materials | Contains paint-wetting impairment substances RoHS-compliant |
| Housing material | PA-reinforced PEEK PPA-reinforced |
| Seals material | FFPM |
| Diaphragm material | FFPM |
| Product weight | 10.9 g |
| Degree of protection | IP40 |
| Corrosion resistance class (CRC) | 0 - No corrosion stress |
| Max. switching frequency | 6 Hz |