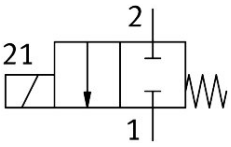
Media separated solenoid valve
VYKB-F10-M22C-16-PF-5HPA

Part number: 8122803



General operating condition

Data sheet

Feature	Value
Structural design	Electrical connection at side Rocker valve with diaphragm seal
Sealing principle	Soft
Materials in contact with the media	PEEK
Valve function	2/2, closed, monostable
Nominal width	1.6 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 M2 screw
Electrical connection 1, connection type	Cable with plug
Electrical connection 1, connection technology	Port pattern HP
Size	10
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	35 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 ... 0.1 MPa
Medium pressure	-0.75 bar ... 1 bar
Medium pressure	-10.875 psi ... 14.5 psi
Overload pressure	0.3 MPa
Overload pressure	3 bar
Overload pressure	43.5 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 3.7 W
Duty cycle	100%

Feature	Value
Max. switching frequency	2 Hz
On switching time	≤20 ms
Switching time off	≤20 ms
Flow rate Kv	0.034 m³/h
Symbol	00997351
Housing material	PEEK
Diaphragm material	FFPM
Seals material	FFPM
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364 zone III
Product weight	18 g
Degree of protection	IP40
Corrosion resistance class (CRC)	0 - No corrosion stress
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions