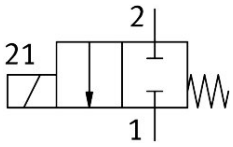
Media separated solenoid valve
VYKB-F12-M22C-20-PE-1HPS

Part number: 8140316





Data sheet

Feature	Value
Structural design	Electrical connection at top Rocker valve with diaphragm seal
Sealing principle	Soft
Materials in contact with the media	EPDM PEEK
Valve function	2/2-way, closed, monostable
Nominal width	2 mm
Flow direction	Non-reversible
Actuation type	Electrical
Type of control	directly
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	Connection pattern HP
Size	12
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	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 -0.75 bar...3 bar -10.875 psi...43.5 psi
Overload pressure	0.45 MPa 4.5 bar 65.25 psi
DC operating voltage range	24 V

Feature	Value
Permissible voltage fluctuations	+/- 10%
Coil characteristics	24 V DC: low-current phase 1 W, high-current phase 5.2 W
Duty cycle	100%
Max. switching frequency	2 Hz
Note on switching frequency	Dependent on the ambient temperature and installation state
On switching time	15 ms
Switching time on gaseous media	15 ms
Switching time off	15 ms
Switching time off gaseous media	15 ms
Flow rate Kv	0.056 m³/h 0.93 l/min
Note on flow rate Kv	For the medium water Pressure difference 1 bar
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 As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions