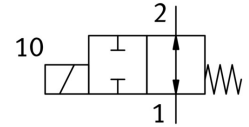
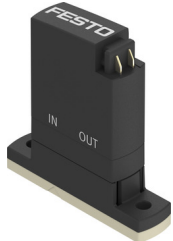


Solenoid valve VYKA-F7-M22U-12-D2-PV-5YQ7

Part number: 8114569

FESTO



Data sheet

Feature	Value
Type code	VYKA
Structural design	Rocker valve with diaphragm seal
Sealing principle	Soft
Materials in contact with the media	FPM PEEK
For use in the food industry	See supplementary material information
Valve function	2/2, open, monostable
Nominal width	1.2 mm
Flow direction	Reversible with restrictions
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	Socket
Electrical connection 1, connection technology	Connection diagram Q7
Electrical connection 1, number of pins/wires	2
Electrical connection for input 1, connection pattern	00997312
Size	7
Width dimension	7.5 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	15 µl fluid space valve 21 µl valve with fluid connections
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 MPa ... 0.2 MPa
Medium pressure	0 psi ... 29 psi
Pressure of medium, reversible	0 MPa ... 0.1 MPa
Pressure of medium, reversible	0 psi ... 14.5 psi
Burst pressure	2.3 MPa

Feature	Value
DC operating voltage range	12 V ... 26 V
Note on operating voltage range DC	With electrical sub-base VAVE-K1-...
Permissible voltage fluctuations	+/- 10 %
Electrical power consumption	3.5 W
Note on power consumption	Low-current phase 0.3 W, high-current phase 3.5 W for 60 ms, in combination with VAVE-K1-...
Coil characteristics	12 - 26 V DC: low-current phase 0.06 W, high-current phase 2.2 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	6 Hz
Note on switching frequency	Dependent on the ambient temperature and installation state
Switching time off	4 ms
Response time "off" for liquid media	6 ms
Flow rate Kv	0.013 m ³ /h
Note on flow rate Kv	Pressure difference 1 bar
Water flow rate at max. operating pressure	0.018 m ³ /h 0.3 l/min
Symbol	00995700
Housing material	PA-reinforced PEEK PPA-reinforced
Diaphragm material	FPM
Seals material	FPM
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Product weight	10.9 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