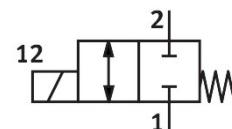


Media separated solenoid valve VYKC-F16-M22C-16-PE-H2

Part number: 8172729

FESTO



 General operating condition

Data sheet

Feature	Value
Design	Rocker valve with diaphragm seal
Sealing principle	Soft
Material in contact with the medium	PEEK
Suitable for use with food	See supplementary material information
Valve function	2/2-way, single solenoid, closed
Nominal size	1.6 mm
Flow direction	Reversible
Type of actuation	Electrical
Type of piloting	Direct
Type of reset	Mechanical spring
Manual override	None
Mounting position	Any
Type of mounting	With through-hole for M2.5 screw
Electrical connection 1, connection type	Cable with plug
Electrical connection 1, connector system	Plug pattern H
Electrical connection 1, connection pattern	00995622
Size	16
Grid dimension	17 mm
Fluid connection	Flange
Medium	Liquid media Gaseous media
Note on the medium	Observe resistance of materials that come into contact with the media Maximum particle size 5 µm
Internal volume	108 µl valve with fluid connections 89 µl fluid chamber valve
Media temperature	10 °C ... 50 °C
Media temperature for fluids	10 °C ... 50 °C
Ambient temperature	10 °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
Burst pressure	2 MPa
Burst pressure	20 bar
Burst pressure	290 psi
Total leakage	0.004 l/h

Feature	Value
Operational voltage range DC	12 V ... 24 V
Note on operational voltage range DC	Holding current reduction necessary
Characteristic coil data	12 - 24 V DC: low-current phase 1.4 W, high-current phase 5.5 W
Insulation material class	B
Duty cycle	100% in conjunction with holding current reduction Observe the notes on operating the solenoid valves.
Max. switching frequency	4 Hz
Note on switching frequency	Dependent on the ambient temperature and installation state
Switch-on time for fluids	14 ms
Switching time on gaseous media	12 ms
Standard nominal flow rate (standardised to DIN 1343)	53 l/min
Note on standard nominal flow rate	In case of a pressure drop of 1 -> 0 bar (gaseous media)
Flow rate Kv	0.046 m³/h
Flow rate Kv	0.77 l/min
Note on flow rate Kv	For water as medium Pressure difference 1 bar
Water flow rate at max. operating pressure	0.08 m³/h 1.3 l/min
Symbol	00992884
Material housing	PEEK
Material membrane	EPDM
Material seals	EPDM
Note on materials	RoHS compliant
LABS (PWIS) conformity	VDMA24364 zone III
Product weight	50 g
Degree of protection	IP40
Note on degree of protection	In mounted state
Instructions on use	For indoor use only
Corrosion resistance class CRC	0 - No corrosion stress
CE mark (see declaration of conformity)	In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions