

# media separated solenoid valve

## VYKB-F12-M22C-20-PE-1HPS

Part number: 8140316

FESTO



### Data sheet

Feature	Value
Design structure	Electrical connection at top Rocker valve with diaphragm seal
Sealing principle	soft
Materials in contact with media	EPDM PEEK
Valve function	2/2 closed, monostable
Nominal size	2 mm
Flow direction	non reversible
Type of actuation	electrical
Type of piloting	direct
Type of reset	mechanical spring
Manual override	None
Assembly position	Any
Mounting type	With through-hole for M3 screw
Electrical connection 1, connection type	Cable with plug
Electrical connection 1, connection technology	Plug pattern HP
Size	12
Fluid connection	Flange
Medium	Fluid media Gaseous media
Information on the medium	Observe resistance of materials that come into contact with media Maximum particle size: 5 µm
Internal volume	60 µl
Medium temperature	0 ... 50 °C
Temperature of liquid media	0 ... 50 °C
Ambient temperature	0 ... 50 °C
Storage temperature	-20 ... 70 °C
Pressure of medium	-0.075 ... 0.3 MPa
Medium pressure	-0.75 ... 3 bar
Pressure of medium psi	-10.875 ... 43.5 psi
Overload pressure	0.45 MPa 4.5 bar
Overload pressure (psi)	65.25 psi
Operating voltage range DC	24 V
Permissible voltage fluctuation	+/- 10 %
Characteristic coil data	24 V DC: low-current phase 1 W, high-current phase 4.5 W
Duty cycle	100 %
Max. switching frequency	2 Hz
Switching time on	≤ 15 ms
Switching time off	≤ 15 ms
Flow rate Kv	0.056 m <sup>3</sup> /h
Material housing	PEEK
Material membrane	EPDM
Material seals	EPDM
Materials note	Conforms to RoHS
PWIS conformity	VDMA24364 zone III

Feature	Value
Product weight	40 g
Protection class	IP40
Corrosion resistance classification CRC	0 - No corrosion stress
CE symbol (see declaration of conformity)	according to EU-EMV guideline in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions