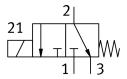
Media separated solenoid valve VYKB-F10-M32-16-PF-1HPS Part number: 8122824

FESTO





Data sheet

Sealing principle Soft Material in contact with the medium FFPM PEEK Valve function 3/2-way, monostable, open/closed Nominal size 1.6 mm Flow direction Non-reversible Tippe of actuation Electric Type of piloting Direct Type of piloting Direct Nome Manual override None Mounting position Optional Type of mounting Via through-hole for M2 screw Electrical connection 1, connection type Electrical connection 1, connector system Connection pattern HP Size 10 Flainge Hedium Liquid media Gaseous media Note on the medium Observe resistance of materials that come into contact with the media Maximum particle size 5 μm Media temperature Media temperature O °C50 °C Media temperature Medium pressure O one Shan, on MPaO.1 MPaO.1 MPaO.1 MPa. O.75 bar1 bar 10.875 psl1 L45 psi Overload pressure O 3 MPa 3 bar 4.35 psi	Feature	Value
Material in contact with the medium FFPM PEEK Valve function 3/2-way, monostable, open/closed 1.6 mm Non-reversible Type of actuation Type of actuation Type of piloting Direct Mechanical spring Manual override Mounting position Type of mounting Via through-hole for M2 screw Electrical connection 1, connector type Electrical connection 1, connector system Connection pattern HP Size 10 Fluid connection Flange Medium Uiquid media Gaseous media Note on the medium Note on the medium Media temperature Media temperature O °C50 °C Ambient temperature Medium pressure Overload pressure Overload pressure O Supen on the MPa Size Ansient demperature O °C50 °C Medium pressure O OC50 °C None time time to the medium None temperature O OC50 °C None time time to the medium None time time to the medium None time time time to the medium None time time time time time time time tim	Design	
PEEK Valve function 3/2-way, monostable, open/closed Nominal size 1.6 mm Flow direction Non-reversible Type of actuation Electric Type of piloting Direct Type of preset Mechanical spring Manual override None Mounting position optional Electrical connection 1, connector system Connection pattern HP Size 10 Fluid connection 1, connector system Connection pattern HP Size 10 Fluid connection 1 Flange Medium Gaseous media Note on the medium Observe resistance of materials that come into contact with the media Maximum particle size 5 µm Media temperature for fluids O°C50 °C Media temperature for fluids O°C50 °C Ambient temperature Medium Pressure O°C50 °C Medium	Sealing principle	Soft
Nominal size Flow direction Non-reversible Type of actuation Electric Type of piloting Direct Type of reset Mechanical spring Manual override None Mounting position Optional Type of mounting Via through-hole for M2 screw Electrical connection 1, connector system Connection pattern HP Size 10 Fluid connection Hedium Liquid media Gaseous media Note on the medium Observe resistance of materials that come into contact with the media Maximum particle size 5 µm Media temperature O°C50 °C Media temperature O°C50 °C Medium pressure Medium pressure Overload pressure	Material in contact with the medium	
Flow direction Non-reversible Electric Type of actuation Electric Type of piloting Direct Type of reset Mechanical spring Manual override None Mounting position Optional Type of mounting Electrical connection 1, connection type Electrical connection 1, connector system Connection pattern HP Size 10 Flange Medium Liquid media Gaseous media Note on the medium Note on the medium Asximum particle size 5 µm Media temperature O °C50 °C Media temperature O °C50 °C Medium pressure Medium pressure Overload pressure Medium pressure Overload pressure Oimmedia temperature Overload pressure Overload pressure Overload pressure Oimmedia temperature Overload pressure Overload pressure Oimmedia temperature Overload pressure Overload pressure Oimmedia temperature Oimme	Valve function	3/2-way, monostable, open/closed
Type of actuation Electric Type of piloting Direct Type of reset Mechanical spring Manual override None Mounting position Type of mounting Electrical connection 1, connection type Electrical connection 1, connector system Size 10 Fluid connection Flange Medium Liquid media Gaseous media Note on the medium Observer resistance of materials that come into contact with the media Maximum particle size 5 µm Media temperature O °C50 °C Media temperature O °C50 °C Medium pressure Overload pressure Medium pressure Overload pressure One Medium pressure Overload pressure	Nominal size	1.6 mm
Type of piloting Type of reset Mechanical spring Manual override Mounting position Optional Type of mounting Electrical connection 1, connection type Cable with plug Electrical connection 1, connector system Connection pattern HP Size 10 Fluid connection Flunge 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 Media temperature Media temperature O°C50 °C Media temperature for fluids O°C50 °C Ambient temperature O°C50 °C Medium pressure O°C50 °C Medium pressure O°C50 °C OC50 °C OC	Flow direction	Non-reversible
Manual override Mounting position Optional Type of mounting Electrical connection 1, connection type Cable with plug Electrical connection 1, connector system Connection pattern HP Size 10 Fluid connection Fluid media Gaseous media Note on the medium Observe resistance of materials that come into contact with the media Maximum particle size 5 μm Media temperature O°C50 °C Media temperature for fluids O°C50 °C Medium pressure O°C70 °C Medium pressure Overload pressure Optional Strain Survey Optional Op	Type of actuation	Electric
Manual override Mounting position Type of mounting Electrical connection 1, connection type Electrical connection 1, connector system Connection pattern HP Size 10 Fluid connection 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 Media temperature 0 °C50 °C Media temperature 0 °C50 °C Medium pressure -0.075 MPa0.1 MPa -0.75 bar1 bar -10.875 psi14.5 psi Overload pressure None Via through-hole for M2 screw Cable with plug Cable with plug Cable with plug Connection pattern HP Size 10 Flange Liquid media Gaseous media Observe resistance of materials that come into contact with the media Maximum particle size 5 µm O °C50 °C Media temperature 0 °C50 °C O °C50 °C Medium pressure 0 °C50 °C Medium pressure 0 °C50 °C O O C50 °C Medium pressure 0 °C50 °C O O C50 °C Medium pressure 0 °C50 °C O O C50 °C Medium pressure 0 °C50 °C O O C50 °C O O C50 °C Medium pressure 0 °C50 °C O O C50 °C Medium pressure 0 °C50 °C O O C50 °C O O C50 °C Medium pressure 0 °C50 °C O O C50 °C	Type of piloting	Direct
Mounting position Type of mounting Via through-hole for M2 screw Electrical connection 1, connection type Cable with plug Electrical connection 1, connector system Connection pattern HP Size 10 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 35 μl Media temperature 0 °C50 °C Media temperature for fluids 0 °C50 °C Ambient temperature 0 °C70 °C Medium pressure -0.075 MPa0.1 MPa -0.75 bar1 bar -10.875 psi14.5 psi Overload pressure 0 3 MPa 3 bar 43.5 psi	Type of reset	Mechanical spring
Type of mounting Via through-hole for M2 screw Electrical connection 1, connector type Electrical connection 1, connector system Connection pattern HP Size 10 Fluid connection 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 35 μl Media temperature 0°C50°C Media temperature for fluids 0°C50°C Ambient temperature 0°C50°C Storage temperature -20°C70°C Medium pressure -0.075 MPa0.1 MPa -0.75 bar1 bar -10.875 psi14.5 psi Overload pressure 0.3 MPa 3 bar 43.5 psi	Manual override	None
Electrical connection 1, connection type Electrical connection 1, connector system Connection pattern HP Size 10 Flunge Medium 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 35 μl Media temperature 0°C50 °C Media temperature for fluids 0°C50 °C Ambient temperature 0°C50 °C Storage temperature 0°C70 °C Medium pressure -0.075 MPa0.1 MPa -0.75 bar1 bar -10.875 psi14.5 psi Overload pressure 0 3 MPa 3 bar 43.5 psi	Mounting position	optional
Electrical connection 1, connector system Size 10 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 35 µl Media temperature 0°C50°C Media temperature for fluids 0°C50°C Ambient temperature 0°C50°C Storage temperature -20°C70°C Medium pressure -0.075 MPa0.1 MPa -0.75 bar1 bar -10.875 psi14.5 psi Overload pressure 0.3 MPa 3 bar 43.5 psi	Type of mounting	Via through-hole for M2 screw
Size 10 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 35 μl Media temperature 0°C50°C Media temperature for fluids 0°C50°C Ambient temperature 0°C50°C Storage temperature 0°C50°C Medium pressure -20°C70°C Medium pressure -0.075 MPa0.1 MPa -0.75 bar1 bar -10.875 psi14.5 psi Overload pressure 0.3 MPa 3 bar 43.5 psi	Electrical connection 1, connection type	Cable with plug
Fluid connection 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 35 µl Media temperature 0°C50°C Media temperature for fluids 0°C50°C Ambient temperature 0°C50°C Storage temperature -20°C70°C Medium pressure -0.075 MPa0.1 MPa -0.75 bar1 bar -10.875 psi14.5 psi Overload pressure 0.3 MPa 3 bar 43.5 psi	Electrical connection 1, connector system	Connection pattern HP
Medium Liquid media Gaseous media Observe resistance of materials that come into contact with the media Maximum particle size 5 μm Internal volume 35 μl Media temperature 0 °C50 °C Media temperature for fluids 0 °C50 °C Ambient temperature 0 °C50 °C Storage temperature -20 °C70 °C Medium pressure -0.075 MPa0.1 MPa -0.75 bar1 bar -10.875 psi14.5 psi Overload pressure 0.3 MPa 3 bar 43.5 psi	Size	10
Gaseous mediaNote on the mediumObserve resistance of materials that come into contact with the media Maximum particle size 5 μmInternal volume35 μlMedia temperature0 °C50 °CMedia temperature for fluids0 °C50 °CAmbient temperature0 °C50 °CStorage temperature-20 °C70 °CMedium pressure-0.075 MPa0.1 MPa -0.75 bar1 bar -10.875 psi14.5 psiOverload pressure0.3 MPa 3 bar 43.5 psi	Fluid connection	Flange
Internal volumeMaximum particle size 5 μmMedia temperature0 °C50 °CMedia temperature for fluids0 °C50 °CAmbient temperature0 °C50 °CStorage temperature-20 °C70 °CMedium pressure-0.075 MPa0.1 MPa -0.75 bar1 bar -10.875 psi14.5 psiOverload pressure0.3 MPa 3 bar 43.5 psi	Medium	
Media temperature 0 °C50 °C Media temperature for fluids 0 °C50 °C Ambient temperature 0 °C50 °C Storage temperature -20 °C70 °C Medium pressure -0.075 MPa0.1 MPa -0.75 bar1 bar -10.875 psi14.5 psi Overload pressure 0.3 MPa 3 bar 43.5 psi	Note on the medium	
Media temperature for fluids 0 °C50 °C Ambient temperature 0 °C50 °C Storage temperature -20 °C70 °C Medium pressure -0.075 MPa0.1 MPa -0.75 bar1 bar -10.875 psi14.5 psi Overload pressure 0.3 MPa 3 bar 43.5 psi	Internal volume	35 μl
Ambient temperature 0 °C50 °C Storage temperature -20 °C70 °C Medium pressure -0.075 MPa0.1 MPa -0.75 bar1 bar -10.875 psi14.5 psi Overload pressure 0.3 MPa 3 bar 43.5 psi	Media temperature	0 °C50 °C
Storage temperature	Media temperature for fluids	0 °C50 °C
-0.075 MPa0.1 MPa	Ambient temperature	0 °C50 °C
-0.75 bar1 bar -10.875 psi14.5 psi Overload pressure 0.3 MPa 3 bar 43.5 psi	Storage temperature	-20 °C70 °C
3 bar 43.5 psi	Medium pressure	-0.75 bar1 bar
Operational voltage range DC 24 V	Overload pressure	3 bar
	Operational voltage range DC	24 V

Feature	Value
Permissible voltage fluctuations	+/- 10 %
Characteristic coil data	24 V DC: low-current phase 1 W, high-current phase 3.7 W
Duty cycle	100%
Max. switching frequency	2 Hz
Switching time on	20 ms
Switching time off	20 ms
Flow rate Kv	0.034 m³/h
Material housing	PEEK
Material membrane	FFPM
Material seals	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 mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
CE marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions