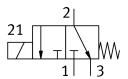
## Media separated solenoid valve VYKB-F10-M32-16-PE-1HPS Part number: 8122822

**FESTO** 





## **Data sheet**

Sealing principle Soft Materials in contact with the media  EPDM PEEK  Valve function 3/2, open/closed, monostable  Nominal width 1.6 mm Flow direction Non-reversible 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 Cable with plug Electrical connection 1, connection technology Port pattern HP Size 10 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 35 μl Emergature of medium O °C50 °C Emperature of Biquid media O °C50 °C Ambient temperature Storage temperature Medium pressure -0.75 bar1 bar -1.0.875 psi14.5 psi Overload pressure	Feature	Value
Materials in contact with the media  EPDM PEEK  Valve function  3/2, open/closed, monostable  1.6 mm  Non-reversible  Actuation type Electrical Type of control Direct  Reset method Mechanical spring Manual override None  Mounting position Any Type of mounting Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1 Plange  Heldid connector Flange  Medium Liquid media Gaseous media Information on medium  Doserve resistance of materials that come into contact with media Maximum particle size 5 µm Internal volume 35 µl Temperature of ilquid media O °C50 °C Temperature of ilquid media O °C50 °C Ambient temperature  -0.075 MPA0.1 MPa -0.75 bar1 bar -10.875 psi14.5 psi Overload pressure	Structural design	
PEEK  Valve function 3/2, open/closed, monostable  Nominal width 1.6 mm  Flow direction Non-reversible  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 Cable with plug  Electrical connection 1, connection technology Port pattern HP  Size 10  Fluid connector Flange  Medium Clade of materials that come into contact with media daximum particle size 5 µm  Internal volume 35 µl  Temperature of medium 0°C50 °C  Ambient temperature 0 0°C50 °C  Storage temperature 0 0°C50 °C  Medium pressure 0.0.75 bar bar -10.875 psi14.5 psi  Overload pressure  Overload pressure  Overload pressure  Overload pressure  Overload pressure  Overload pressure	Sealing principle	Soft
Nominal width  1.6 mm  Non-reversible  Actuation type  Electrical  Type of control  Reset method  Mechanical spring  Manual override  Mounting position  Any  Type of mounting  Electrical connection 1, connection type  Electrical connection 1, connection technology  Fluid connector  Fluid connector  Medium  Information on medium  Internal volume  Temperature of medium  Temperature  Storage temperature  Medium pressure  Any  1.6 mm  None-reversible  Electrical  Mechanical spring  Mechanical spring  Mechanical spring  Mith through-hole for M2 screw  Cable with plug  Electrical connection 1, connection type  Cable with plug  Port pattern HP  Size  10  Fluid connector  Flange  Liquid media  Gaseous media  Information on medium  Observe resistance of materials that come into contact with media Maximum particle size 5 µm  Internal volume  35 µl  Temperature of medium  0 °C50 °C  Temperature of liquid media  0 °C50 °C  Storage temperature  0 °C50 °C  Medium pressure  -0.075 MPa0.1 MPa -0.75 ba1 bar -10.875 psi14.5 psi  Overload pressure  0.3 MPa 3 bar 4.3.5 psi	Materials in contact with the media	
Flow direction  Actuation type  Electrical Type of control  Reset method  Mechanical spring  Manual override  Mounting position  Any Type of mounting  Electrical onnection 1, connection type  Electrical spring  With through-hole for M2 screw  Electrical connection 1, connection type  Electrical onnection 1, connection type  Electrical onnection 1, connection type  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  35 µl  Temperature of medium  O°C50 °C  Temperature of liquid media  O°C50 °C  Storage temperature  O°C50 °C  Storage temperature  O°C50 °C  Medium pressure  O°C50 °C  OO75 MPa0.1 MPa  O.75 MPa0.1 MPa	Valve function	3/2, open/closed, monostable
Actuation type  Electrical  Direct  Reset method  Mechanical spring  Manual override  Mounting position  Any  Type of mounting  Electrical onnection 1, connection type  Electrical connection 1, connection technology  Fletuid connector  Flange  Medium  Liquid media Gaseous media  Information on medium  Observer resistance of materials that come into contact with media Maximum particle size 5 µm  Internal volume  35 µl  Temperature of medium  O°C50 °C  Temperature of liquid media  O °C50 °C  Storage temperature  O °C70 °C  Medium pressure  Overload pressure  Overload pressure  Outpub Place of Medium Place of Medium  Outpub Place of Medium	Nominal width	1.6 mm
Type of control  Reset method  Mechanical spring  Manual override  Mounting position  Any  Type of mounting  Electrical connection 1, connection type  Electrical connection 1, connection technology  Fluid connector  Flunge  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  35 µl  Temperature of medium  O°C50 °C  Temperature of liquid media O°C50 °C  Storage temperature  O°C50 °C  Medium pressure  O°C50 °C  Medium pressure  O°C50 °C  O°C	Flow direction	Non-reversible
Reset method Mechanical spring  Manual override None  Mounting position Any Type of mounting Electrical connection 1, connection type Cable with plug Electrical connection 1, connection technology Port pattern HP  Size 10  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 35 µl  Temperature of medium 0 °C50 °C  Temperature of liquid media O °C50 °C  Ambient 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 3 bar -43.5 psi	Actuation type	Electrical
Manual override  Mounting position  Any  Type of mounting  Electrical connection 1, connection type  Electrical connection 1, connection technology  Port pattern HP  Size  10  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  35 µl  Temperature of medium  0 °C50 °C  Temperature of liquid media  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  3 bar 43.5 psi	Type of control	Direct
Mounting position  Any Type of mounting  Electrical connection 1, connection type  Electrical connection 1, connection technology  Port pattern HP  Size  10  Fluid connector  Flange  Medium  Uiquid media Gaseous media  Information on medium  Observe resistance of materials that come into contact with media Maximum particle size 5 μm  Internal volume  35 μl  Temperature of medium  0 °C50 °C  Temperature of liquid media 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	Reset method	Mechanical spring
Type of mounting  Electrical connection 1, connection type  Cable with plug  Electrical connection 1, connection technology  Port pattern HP  Size  10  Fluid connector  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  35 μl  Temperature of medium  0 °C50 °C  Temperature of liquid media  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, connection technology  Port pattern HP  Size  10  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  35 µl  Temperature of medium  O°C50 °C  Temperature of liquid media  O°C50 °C  Storage temperature  O°C70 °C  Medium pressure  Medium pressure  Overload pressure  Overload pressure  Overload pressure  Overload pressure  Overload pressure  Cable with plug  Port pattern HP  Cable with plug  Port pattern HP  10  Cable with plug  10  Port pattern HP  10  Cable with plug  10  Port pattern HP  10  Cable with plug  10  Cable with plug  10  Overload pressure  10  Cable with plug  10  Cable with Ple  10  Cable with plug  10  Cable with Ple  10  Cable	Mounting position	Any
Electrical connection 1, connection technology  Size  10  Fluid connector  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  35 μl  Temperature of medium  0 °C50 °C  Temperature of liquid media  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	With through-hole for M2 screw
Size 10  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 35 μl  Temperature of medium 0 ° C50 ° C  Temperature of liquid media 0 ° C50 ° C  Ambient temperature 0 o ° 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, connection type	Cable with plug
Fluid connector  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  35 µl  Temperature of medium  0°C50°C  Temperature of liquid media  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, connection technology	Port pattern HP
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 35 μl  Temperature of medium 0°C50 °C  Temperature of liquid media 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 media  Information on medium  Observe resistance of materials that come into contact with media Maximum particle size 5 μm  Internal volume  35 μl  Temperature of medium  0°C50 °C  Temperature of liquid media  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	Fluid connector	Flange
Internal volumeMaximum particle size 5 μmInternal volume35 μlTemperature of medium0 °C50 °CTemperature of liquid media0 °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	
Temperature of medium  0 °C50 °C  Temperature of liquid media  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	Information on medium	
Temperature of liquid media 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	Temperature of medium	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	Temperature of liquid media	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
DC operating voltage range 24 V	Overload pressure	3 bar
	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 3.7 W
Duty cycle	100%
Max. switching frequency	2 Hz
On switching time	15 ms
Switching time off	15 ms
Flow rate Kv	0.034 m³/h
Housing material	PEEK
Diaphragm material	EPDM
Seals material	EPDM
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 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