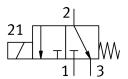
Media separated solenoid valve VYKB-F10-M32-16-PE-5HPS Part number: 8122819

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 Caseuve resistance of materials that come into contact with media maximum particle size 5 μm Internal volume 35 μl Itemperature of medium 0 °C50 °C Temperature of Ilquid media 0 °C50 °C Ambient temperature 0 °C50 °C Storage temperature -0.075 MPa0.1 MPa0	Feature	Value
Materials in contact with the media EPDM PEEK Valve function 3/2, open/closed, monostable Nominal width 1.6 mm Non-reversible Actuation type Electrical Type of control Mechanical spring Manual override None Mounting position Any Type of mounting Electrical connection 1, connection type Electrical connection 1 Flange Medium Liquid media Gaseous medial 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 Dar1 Dar -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 Caseous 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 fledium O°C50 °C Ambient temperature O°C50 °C Ambient temperature O°C50 °C Medium pressure O.0.75 MPAO.1 MPa -0.075 Dar Dar -10.875 psi14.5 psi Overload pressure	Sealing principle	Soft
Nominal width 1.6 mm Non-reversible Actuation type Electrical Type of control Reset method Menancial spring Manual override Mounting position Any Type of mounting Electrical connection 1, connection type Electrical connection 1, connection technology 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 Imperature of medium O °C50 °C Ambient temperature Medium pressure O o C50 °C Storage temperature Medium pressure O o C50 °C	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 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 iliquid media 0 °C50 °C Storage temperature 0 °C50 °C Storage temperature -20 °C70 °C Medium pressure -0.075 MPa0.1 MPa -0.75 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 Fort pattern HP Size 10 Fluid connector Flange Medium Liquid media Gaseous media Information on medium Diserver 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 4.20 °C70 °C Medium pressure 0.3 MPa -0.75 MPa0.1 MPa -0.75 MPa0	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 OOC50 °C Medium pressure OOC50 °C O	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 Type of mounting With through-hole for M2 screw Electrical connection 1, connection type Electrical connection 1, connection technology Port pattern HP Size 10 Fluid connector Fluid connector Hedium 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 -0.075 MPa0.1 MPa -0.75 bar1 bar -10.875 psi14.5 psi Overload pressure 3 bar 43.5 psi	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 0 °C50 °C Temperature of liquid media Δνευπατοία ου 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	Mounting position	Any
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 °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 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	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 	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 12 V	Overload pressure	3 bar
	DC operating voltage range	12 V

Feature	Value
Permissible voltage fluctuations	-5 % / +10 %
Coil characteristics	12 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