Media separated solenoid valve VYKB-F10-M32-16-PV-5HPA

FESTO

Part number: 8122808



Data sheet

General operating condition

Rocker valve with diaphragm seal sealing principle Soft Materials in contact with the media FPM PEEK Alave function 3/2, open/closed, monostable Johnmial width 1, 6 mm Jow direction Non-reversible Returned None-reversible None-reversib	Feature	Value
Alterials in contact with the media FPM PEEK Alve function 3/2, open/closed, monostable Alominal width 1.6 mm Non-reversible Electrical Vipe of control Electrical Vipe of control Annual override Annual overwell Electrical connection 1, connection type Liquid media Gaseous media Idquid media Gaseous media Observe resistance of materials that come into contact with media Maximum particle size 5 µm anternal volume Emperature of medium Observe resistance of materials that come into contact with media Maximum particle size 5 µm anternal volume Emperature of medium Observe resistance of materials that come into contact with media Maximum particle size 5 µm anternal volume Observe resistance of materials that come into contact with media Maximum particle size 5 µm anternal volume Observe resistance of materials that come into contact with media Maximum particle size 5 µm anternal volume Observe resistance of materials that come into contact with media Maximum particle size 5 µm anternal volume Observe resistance of materials that come into contact with media Maximum particle size 5 µm anternal volume Observe resistance of materials that come into contact with media Maximum particle size 5 µm anternal volume Observe resistance of materials that come into contact with media Maximum particle size 5 µm anternal volume Observe resistance of materials that come into contact with media Max	Structural design	
PEEK 3/2, open/closed, monostable 3/2, open/c	Sealing principle	Soft
1.6 mm Non-reversible	Materials in contact with the media	
Non-reversible Actuation type Electrical Direct Reset method Mechanical spring Manual override Mounting position Any Appe of mounting With through-hole for M2 screw Cable with plug Electrical connection 1, connection type Cable with plug Electrical connection 1, connection technology Port pattern HP Size 10 Hange 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 Remperature of medium O °C 50 °C Internature of medium O °C 50 °C Internature of liquid media O °C 50 °C O C Internature of liquid media O °C 50 °C O C Internature of liquid media O °C 50 °C O C Internature of liquid media O °C 50 °C O C Internature of liquid media O °C 50 °C O C Internature of liquid media O °C 50 °C O C Internature of liquid media O °C 50 °C O C Internature of liquid media O °C 50 °C O C Internature of liquid media O °C 50 °C O C Internature of liquid media O °C 50 °C O C Internature of liquid media O °C 50 °C O C Internature of liquid media O °C 50 °C O C Internature of liquid media O °C 50 °C O C Internature of liquid media O °C 50 °C O C Internature of liquid media O °C 50 °C O C Internature of liquid media O °C 50 °C O C Internature of liquid media O °C 50 °C O C Internation of metricals that come into contact with media O °C 50 °C O C Internation of metricals that come into contact with media O °C 50 °C O C Internation of metricals that come into contact with media O °C 50 °C O C Internation of metricals that come into contact with media O °C 50 °C O C Internation of metricals that come into contact with media O °C 50 °C O C Internation of metricals that come into contact with media O C Internation of metricals	Valve function	3/2, open/closed, monostable
Electrical Speed of control Direct Reset method Mechanical spring Mounting position Mounting position Mounting position Mounting position Mounting position Mounting position Mounting with through-hole for M2 screw Cable with plug Electrical connection 1, connection type Cable with plug Electrical connection 1, connection technology Port pattern HP Size 10 Redium Liquid media Gaseous media Information on medium Maximum particle size 5 µm Meremperature of medium O °C 50 °C Memperature of liquid media O °C 50 °C Medium pressure M	Nominal width	1.6 mm
Direct Reset method Mechanical spring Manual override Mounting position Manual override Mounting position Mype of mounting Electrical connection 1, connection type Electrical connection 1, connection technology Port pattern HP Size 10 Flange Fluid connector Flange Fluid media Gaseous media Information on medium Observe resistance of materials that come into contact with media Maximum particle size 5 µm Memperature of medium O ° C 50 ° C Remperature of liquid media O ° C 50 ° C Redium pressure O ° C 70 ° C Medium pressure Aedium pressure O 0.075 MPa 0.1 MPa Medium pressure O 0.3 MPa Overload pressure O 20 operating voltage range 12 V Permissible voltage fluctuations Direct Mith chanical spring Mechanical spring	Flow direction	Non-reversible
Mechanical spring Manual override Mounting position Mith through-hole for M2 screw Mith through-hole Mith through-hole Mith through-hole Mith through-hole Mith through-hol	Actuation type	Electrical
Manual override Mounting position Mounting position Mounting position Mounting position With through-hole for M2 screw Cable with plug Electrical connection 1, connection type Cable with plug Port pattern HP Size 10 Flange Liquid media Gaseous media Observe resistance of materials that come into contact with media Maximum particle size 5 μm Motion formation on medium Motionector Spin flag flag flag flag flag flag flag flag	Type of control	Direct
Any Any Any Any With through-hole for M2 screw Cable with plug Clectrical connection 1, connection type Clectrical connection 1, connection technology Port pattern HP Cliquid media Gaseous media Conformation on medium Cobserve resistance of materials that come into contact with media Maximum particle size 5 µm Comperature of medium Cobserve resistance of materials that come into contact with media Maximum particle size 5 µm Core 50 °C Core	Reset method	Mechanical spring
With through-hole for M2 screw Cable with plug Cletrical connection 1, connection type Cletrical connection 1, connection technology Port pattern HP Cletrical connection 1, connection technology Port pattern HP Cletrical connector Flange Addium Cledium	Manual override	None
Cable with plug Clettrical connection 1, connection type Clettrical connection 1, connection technology Port pattern HP Cluid connector Flange Addium Cluid connector Addium Cloud media Gaseous media Observe resistance of materials that come into contact with media Maximum particle size 5 μm Maximu	Mounting position	Any
Port pattern HP Size 10 Iduid connector Flange Medium Liquid media Gaseous media Observe resistance of materials that come into contact with media Maximum particle size 5 μm Internal volume 35 μl Imperature of medium 0°C 50°C Imperature of liquid media 0°C 50°C Imperature of liquid media 0°C 50°C Imperature of liquid media 0°C 50°C Imperature of medium 0°C 50°C Imperature of medium 0°C 50°C Imperature of liquid media 0°C 50°C Imperature of medium 0°C 50°C Imperature of medium 0°C 50°C Imperature of medium 0°C 50°C Imperature of liquid media 0°C 50°C Imperature of medium o°C	Type of mounting	With through-hole for M2 screw
10 Illuid connector Aedium Aedium Deserve resistance of materials that come into contact with media Gaseous media Observe resistance of materials that come into contact with media Maximum particle size 5 μm The properties of medium O ° C 50 ° C The pressure of liquid media O ° C 50 ° C The pressure of liquid media O ° C 50 ° C The pressure of medium O ° C 50 ° C The pressure of medium O ° C 50 ° C The pressure of medium O ° C 50 ° C The pressure of medium of medium or materials that come into contact with media maximum particle size 5 μm The pressure of medium or materials that come into contact with media maximum particle size 5 μm The pressure of medium or materials that come into contact with media maximum particle size 5 μm The pressure or materials that come into contact with media maximum particle size 5 μm The pressure or materials that come into contact with media maximum particle size 5 μm The pressure or materials that come into contact with media maximum particle size 5 μm The pressure or materials that come into contact with media maximum particle size 5 μm The pressure or materials that come into contact with media maximum particle size 5 μm The pressure or materials that come into contact with media maximum particle size 5 μm The pressure of materials that come into contact with media maximum particle size 5 μm The pressure of materials that come into contact with media maximum particle size 5 μm The pressure of materials that come into contact with media maximum particle size 5 μm The pressure of materials that come into contact with media maximum particle size 5 μm The pressure of materials that come into contact with media maximum particle size 5 μm The pressure of materials that come into contact with media maximum particle size 5 μm The pressure of materials that come into contact with media maximum particle size 5 μm The pressure of materials that come into contact with media maximum particle size 5 μm The pressure of materials that	Electrical connection 1, connection type	Cable with plug
Flange Medium Liquid media Gaseous media Observe resistance of materials that come into contact with media Maximum particle size 5 µm 35 µl Gemperature of medium O° C 50 °C Gemperature of liquid media O° C 50 °C Ambient temperature O° C 50 °C Andedium pressure Oone of the medium O	Electrical connection 1, connection technology	Port pattern HP
Addium Liquid media Gaseous media Observe resistance of materials that come into contact with media Maximum particle size 5 μm 35 μl Gemperature of medium O° C 50 °C Gemperature of liquid media O° C 50 °C Ambient temperature O° C 50 °C Addium pressure O° C 70 °C Addium pressure O° C 70 °C Addium pressure O° C 50 °C Addium pressure O° S bar 1 bar Overload pressure	Size	10
Gaseous media Observe resistance of materials that come into contact with media Maximum particle size 5 μm 35 μl Gemperature of medium O°C 50 °C Gemperature of liquid media O°C 50 °C Ambient temperature O°C 50 °C Andeium pressure O-0.075 MPa 0.1 MPa Medium pressure O-0.75 bar 1 bar Overload pressure O-0.3 MPa Overload pressure O-0.3 MPa Overload pressure O-0.3 MPa Overload pressure O-0.3 MPa Overload pressure O-0.3 Ppi O-0.3	Fluid connector	Flange
Maximum particle size 5 μmInternal volume35 μlTemperature of medium0 °C 50 °CTemperature of liquid media0 °C 50 °CAmbient temperature0 °C 50 °CStorage temperature-20 °C 70 °CMedium pressure-0.075 MPa 0.1 MPaMedium pressure-0.75 bar 1 barMedium pressure-10.875 psi 14.5 psiOverload pressure0.3 MPaOverload pressure3 barOverload pressure43.5 psiOc operating voltage range12 VPermissible voltage fluctuations-5 % / +10 %	Medium	
remperature of medium O °C 50 °C remperature of liquid media O °C 50 °C Ambient temperature O °C 50 °C Storage temperature -20 °C 70 °C Addium pressure -0.075 MPa 0.1 MPa Medium pressure -0.75 bar 1 bar Medium pressure Overload pressure 0.3 MPa Overload pressure 3 bar Overload pressure 43.5 psi OC operating voltage range Permissible voltage fluctuations -5 % / +10 %	Information on medium	
Temperature of liquid media 0 °C 50 °C Ambient temperature 0 °C 50 °C Storage temperature -20 °C 70 °C Medium pressure -0.075 MPa 0.1 MPa Medium pressure -0.75 bar 1 bar Medium pressure -10.875 psi 14.5 psi Overload pressure 0.3 MPa Overload pressure 3 bar Overload pressure 43.5 psi OC operating voltage range 12 V Permissible voltage fluctuations -5 % / +10 %	Internal volume	35 μl
Ambient temperature 0 °C 50 °C Storage temperature -20 °C 70 °C Medium pressure -0.075 MPa 0.1 MPa Medium pressure -0.75 bar 1 bar Medium pressure -10.875 psi 14.5 psi Overload pressure 0.3 MPa Overload pressure 3 bar Overload pressure 43.5 psi OC operating voltage range 12 V Overmissible voltage fluctuations -5 % / +10 %	Temperature of medium	0 °C 50 °C
Addium pressure -20 °C 70 °C Medium pressure -0.075 MPa 0.1 MPa -0.75 bar 1 bar -0.875 psi 14.5 psi Overload pressure 0.3 MPa Overload pressure 3 bar Overload pressure 43.5 psi OC operating voltage range 12 V -5 % / +10 %	Temperature of liquid media	0 ℃ 50 ℃
Medium pressure -0.075 MPa 0.1 MPa Medium pressure -0.75 bar 1 bar -10.875 psi 14.5 psi Overload pressure 0.3 MPa Overload pressure 3 bar Overload pressure 43.5 psi OC operating voltage range 12 V Permissible voltage fluctuations -5 % / +10 %	Ambient temperature	0 ℃ 50 ℃
Medium pressure -0.75 bar 1 bar Medium pressure -10.875 psi 14.5 psi Overload pressure 0.3 MPa Overload pressure 3 bar Overload pressure 43.5 psi OC operating voltage range 12 V Permissible voltage fluctuations -5 % / +10 %	Storage temperature	-20 °C 70 °C
Addium pressure -10.875 psi 14.5 psi Overload pressure 0.3 MPa Overload pressure 3 bar Overload pressure 43.5 psi OC operating voltage range 12 V Overmissible voltage fluctuations -5 % / +10 %	Medium pressure	-0.075 MPa 0.1 MPa
Overload pressure 0.3 MPa Overload pressure 3 bar Overload pressure 43.5 psi OC operating voltage range 12 V Overmissible voltage fluctuations -5 % / +10 %	Medium pressure	-0.75 bar 1 bar
Overload pressure 3 bar Overload pressure 43.5 psi OC operating voltage range 12 V Permissible voltage fluctuations -5 % / +10 %	Medium pressure	-10.875 psi 14.5 psi
Overload pressure 43.5 psi OC operating voltage range 12 V Permissible voltage fluctuations -5 % / +10 %	Overload pressure	0.3 MPa
OC operating voltage range 12 V Permissible voltage fluctuations -5 % / +10 %	Overload pressure	3 bar
Permissible voltage fluctuations -5 % / +10 %	Overload pressure	43.5 psi
	DC operating voltage range	12 V
Coil characteristics 12 V DC: low-current phase 1 W, high-current phase 3.7 W	Permissible voltage fluctuations	-5 % / +10 %
	Coil characteristics	12 V DC: low-current phase 1 W, high-current phase 3.7 W

Feature	Value
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
Symbol	00997353
Housing material	PEEK
Diaphragm material	FPM
Seals material	FPM
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