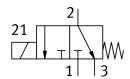
Media separated solenoid valve VYKB-F12-M32-20-PE-5HPS

FESTO

Part number: 8140317





Data sheet

General operating condition

Rocker valve with diaphragm seal sealing principle Soft Materials in contact with the media FPDM PEEK Alave function 3/2, open/closed, monostable Journal width 2 mm Alow direction Non-reversible Returned Non-reversible Returned None Returned None Research Mechanical spring Romanual override Rome Rounting position Any Rype of mounting Returned None Rounting position Any Rype of mounting Returned None Rounting position Any Rype of mounting Returned None Rounting None Rounting None Rounting None Returned	Feature	Value
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Alay Function 3/2, open/closed, monostable 3/	Sealing principle	Soft
Journal width 2 mm Allow direction Non-reversible Electrical Pype of control Eye of control Direct Exest method Mechanical spring Manual override None Mounting position Any Yype of mounting With through-hole for M3 screw Electrical connection 1, connection type Cable with plug Electrical connection 1, connection type Table with plug Aledium Liquid media Gaseous media O °C 50 °C <td>Materials in contact with the media</td> <td></td>	Materials in contact with the media	
Non-reversible Electrical Size of control Any Size of mounting Electrical connection 1, connection type Aledium persiture Mechanical spring Mechanical sp	Valve function	3/2, open/closed, monostable
Electrical Sype of control Direct Direct Direct Mechanical spring Mone Mounting position Any Sype of mounting With through-hole for M3 screw Cable with plug Clectrical connection 1, connection type Cable with plug Clectrical connection 1, connection technology Port pattern HP Size 12 Tange Liquid media Gaseous media Observe resistance of materials that come into contact with media Maximum particle size 5 µm Anternal volume Femperature of medium O°C50°C Comperature of liquid media O°C50°C Comperature of liquid media O°C50°C Andium pressure O°C70°C Andium pressure O.075 MPa 0.3 MPa Andium pressure Overload pressure Overload pressure Overload pressure Overload pressure Occupating voltage range 12 V Permissible voltage fluctuations Position Any With through-hole for M3 screw Medium price for M3 screw Overload pressure Occupating voltage range 12 V Permissible voltage fluctuations	Nominal width	2 mm
Direct	Flow direction	Non-reversible
Mechanical spring Manual override Mounting position Mounting position Mounting position Mounting position Mounting position Mounting position Mounting with through-hole for M3 screw Clectrical connection 1, connection type Cable with plug Clectrical connection 1, connection type Clectrical connection 1, connection technology Port pattern HP Clectrical connector Flange Cliquid media Gaseous media Idquid media Gaseous media Moberve resistance of materials that come into contact with media Maximum particle size 5 μm Memperature of medium O °C 50 °C Mounting position Moberve resistance of materials that come into contact with media Maximum particle size 5 μm Mounting position O °C 50 °C Mounting position O °C 50 °C Mounting position Motor position O °C 50 °C Mounting position Motor position O °C 50 °C Mounting position O °C 50 °C Mounting position Motor position O °C 50 °C Mounting position O °C 50 °C Mounting position Overload pressure O .0.75 MPa 0.3 MPa Overload pressure O .0.45 MPa Overload pressure O .45 Dar Overload pressure O .5 % / +10 %	Actuation type	Electrical
Manual override Mounting position Mounting position Mounting position Mounting position Mounting position Mounting position With through-hole for M3 screw Cable with plug Electrical connection 1, connection type Cable with plug Port pattern HP Size 12 Flange Liquid media Gaseous media Observe resistance of materials that come into contact with media Maximum particle size 5 μm Mother and Maximum particle size 5 μm Mother and Maximum particle size 5 μm Mother and M	Type of control	Direct
Any Any Any Any With through-hole for M3 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 Conserve resistance of materials that come into contact with media Maximum particle size 5 µm Comperature of medium Conserve resistance of materials that come into contact with media Maximum particle size 5 µm Conserve resistance of materials that come into contact with media Maximum particle size 5 µm Conserve resistance of materials that come into contact with media Maximum particle size 5 µm Conserve resistance of materials that come into contact with media Maximum particle size 5 µm Conserve resistance of materials that come into contact with media Maximum particle size 5 µm Conserve resistance of materials that come into contact with media Maximum particle size 5 µm Conserve resistance of materials that come into contact with media Maximum particle size 5 µm Conserve resistance of materials that come into contact with media Maximum particle size 5 µm Conserve resistance of materials that come into contact with media Maximum particle size 5 µm Conserve resistance of materials that come into contact with media Maximum particle size 5 µm Conserve resistance of materials that come into contact with media Maximum particle size 5 µm Conserve resistance of materials that come into contact with media Maximum particle size 5 µm Conserve resistance of materials that come into contact with media Maximum particle size 5 µm Conserve resistance of materials that come into contact with media Maximum particle size 5 µm Conserve resistance of materials that come into contact with media Maximum particle size 5 µm Conserve resistance of materials that come into contact with media Maximum particle size 5 µm Conserve resistance of materials that come into contact with	Reset method	Mechanical spring
With through-hole for M3 screw Cable with plug Cable with plug Cable with plug Cable with plug Port pattern HP Size 12 Cluid connection 1, connection technology Port pattern HP Size 12 Cluid connector Medium Caseous media Cobserve resistance of materials that come into contact with media Maximum particle size 5 µm Comparation on medium Cor 50 °C Comparative of Medium Cor 50 °C Cor 50 °C Cord	Manual override	None
Cable with plug Cletrical connection 1, connection type Cletrical connection 1, connection technology Port pattern HP Cluid connector Flange Addium Cledium Cobserve resistance of materials that come into contact with media Maximum particle size 5 μm Coperature of medium Coperature of liquid media Coperature of liquid media Coperature of liquid media Coperature Copera	Mounting position	Any
Port pattern HP Size 12 Iluid connector Flange Medium Liquid media Gaseous media Observe resistance of materials that come into contact with media Maximum particle size 5 μm Internal volume 60 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 50°C Imperature o°C 50°C Imperature of medium o°C 50°C Impe	Type of mounting	With through-hole for M3 screw
12 Illuid connector Aedium Aedium Liquid media Gaseous media Observe resistance of materials that come into contact with media Maximum particle size 5 μm Anternal volume Acopy in the medium	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 of pl emperature of medium o °C 50 °C emperature of liquid media o °C 50 °C emperature of liquid media o °C 50 °C emperature o °C 50 °C Andium pressure o °C 70 °C Andium pressure -0.075 MPa 0.3 MPa Andium pressure -0.45 bar 3 bar Overload pressure 0.45 MPa Overload pressure 0.45 bar Overload pressure 0.50 perating voltage range 12 V Permissible voltage fluctuations	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 formation on medium O° C 50 °C femperature of medium O° C 50 °C femperature of liquid media O° C 50 °C Ambient temperature O° C 50 °C Addium pressure O° C 70 °C Addium pressure O° C 30 MPa Overload pressure	Size	12
Gaseous media Observe resistance of materials that come into contact with media Maximum particle size 5 μm Internal volume 60 μl Imperature of medium 0°C 50°C Imperature of liquid media	Fluid connector	Flange
Maximum particle size 5 μmInternal volume60 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 0.3 MPaMedium pressure-0.75 bar 3 barMedium pressure-10.875 psi 43.5 psiOverload pressure0.45 MPaOverload pressure4.5 barOverload pressure65.25 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 0.3 MPa Medium pressure -0.75 bar 3 bar Medium pressure Overload pressure 0.45 MPa Overload pressure 4.5 bar Overload pressure OC operating voltage range 12 V 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 0.3 MPa Medium pressure -0.75 bar 3 bar Medium pressure -10.875 psi 43.5 psi Overload pressure 0.45 MPa Overload pressure 4.5 bar Overload pressure 0.45 psi	Internal volume	60 µl
Ambient temperature 0 °C 50 °C Storage temperature -20 °C 70 °C Medium pressure -0.075 MPa 0.3 MPa Medium pressure -0.75 bar 3 bar Medium pressure -10.875 psi 43.5 psi Overload pressure 0.45 MPa Overload pressure 4.5 bar Overload pressure 65.25 psi OC operating voltage range 12 V Overmissible voltage fluctuations -5 % / +10 %	Temperature of medium	0 ℃ 50 ℃
Storage temperature -20 °C 70 °C Medium pressure -0.075 MPa 0.3 MPa Medium pressure -0.75 bar 3 bar Medium pressure -10.875 psi 43.5 psi Overload pressure 0.45 MPa Verload pressure 4.5 bar Overload pressure 65.25 psi OC operating voltage range 12 V Permissible voltage fluctuations -5 % / +10 %	Temperature of liquid media	0 ℃ 50 ℃
Medium pressure -0.075 MPa 0.3 MPa Medium pressure -0.75 bar 3 bar Medium pressure -10.875 psi 43.5 psi Overload pressure 0.45 MPa Overload pressure 4.5 bar Overload pressure 65.25 psi OC operating voltage range 12 V Permissible voltage fluctuations -5 % / +10 %	Ambient temperature	0 ℃ 50 ℃
Medium pressure -0.75 bar 3 bar Medium pressure -10.875 psi 43.5 psi Overload pressure 0.45 MPa Overload pressure 4.5 bar Overload pressure 65.25 psi OC operating voltage range 12 V Permissible voltage fluctuations -5 % / +10 %	Storage temperature	-20 °C 70 °C
Addium pressure -10.875 psi 43.5 psi Overload pressure 0.45 MPa Overload pressure 4.5 bar Overload pressure 65.25 psi OC operating voltage range 12 V Overmissible voltage fluctuations -5 % / +10 %	Medium pressure	-0.075 MPa 0.3 MPa
Overload pressure 0.45 MPa Overload pressure 4.5 bar Overload pressure 65.25 psi OC operating voltage range 12 V Overmissible voltage fluctuations -5 % / +10 %	Medium pressure	-0.75 bar 3 bar
Overload pressure 4.5 bar Overload pressure 65.25 psi OC operating voltage range 12 V Permissible voltage fluctuations -5 % / +10 %	Medium pressure	-10.875 psi 43.5 psi
Overload pressure 65.25 psi OC operating voltage range 12 V Permissible voltage fluctuations -5 % / +10 %	Overload pressure	0.45 MPa
OC operating voltage range 12 V Permissible voltage fluctuations -5 % / +10 %	Overload pressure	4.5 bar
Permissible voltage fluctuations -5 % / +10 %	Overload pressure	65.25 psi
-	DC operating voltage range	12 V
Coil characteristics 12 V DC: low-current phase 1 W, high-current phase 5.2 W	Permissible voltage fluctuations	-5 % / +10 %
	Coil characteristics	12 V DC: low-current phase 1 W, high-current phase 5.2 W

Feature	Value
Duty cycle	100%
Max. switching frequency	2 Hz
On switching time	≤15 ms
Switching time off	≤15 ms
Flow rate Kv	0.056 m³/h
Symbol	00997353
Housing material	PEEK
Diaphragm material	EPDM
Seals material	EPDM
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364 zone III
Product weight	40 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