Solenoid valve CPE18-M2H-5LS-1/4

FESTO

Part number: 163766





Data sheet

Type of actuation Electric Construction width 18 mm Standard nominal flow rate (standardised to DIN 1343) 1500 //min pneumatic working port 61/4 Operating voltage 110V AC Operating pressure -0.99 MPa10 MPa -0.9 bar10 bar Operating pressure -0.99 memanic spring Operating voltage Piston gate valve Type of reset Pneumatic spring Cult us - Recognized (OL) Maritime classification See certificate CE mark (see declaration of conformity) To EU Low Voltage Directive UKCA marking (see declaration of conformity) To UK regulations for electrical equipment Certificate issuing authority UN TANA000032X UL MH19482 Degree of protection Piecs Soft To IEC 60529 Nominal size 8 mm Exhaust-air function Soft Operating Vith flow control option Sealing principle Soft Mounting position optional Manual override Detenting via accessory Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Valve position code Inscription label holder Joer Manual overside Overlap	Feature	Value
Construction width 18 mm Standard nominal flow rate (standardised to DIN 1343) 1500 l/min pneumatic working port 61/4 Operating voltage 110V AC Operating pressure -0.09 MPa1 MPa -0.9 bar10 bar Design Piston gate valve Prope of reset Pneumatic spring Cut Lus - Recognized (OL) Maritime classification See certificate CE mark (see declaration of conformity) To EU Low Voltage Directive UKCA marking (see declaration of conformity) To UK regulations for electrical equipment Certificate issuing authority DNV-TAA00003.2X UL MH19482 Degree of protection P65 With plug socket To IEC 605.29 Nominal size 8 m Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Manual override Detenting via accessory Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Valve position code Inscription label holder Jovatage 10.25 MPa 1 MPa 2.5 bar 10 bar	Valve function	5/2-way, monostable
Standard nominal flow rate (standardised to DIN 1343) pneumatic working port Operating voltage 110V AC Operating pressure -0.09 MPa1 MPa -0.9 bar10 bar Design Piston gate valve Type of reset Pneumatic spring Approval CE mark (see declaration of conformity) To EU Low Voltage Directive CE mark (see declaration of conformity) To EU Low Voltage Directive Degree of protection Degree of protection Degree of protection With flow control option Sealing principle Mounting position Manual override Mounting position Pilot acruated Pilot air supply External Flow direction Reversible Rowel Degree of Poloter on Reversible Rowel Degree on Rowel Degree	Type of actuation	Electric
Operating voltage 110 V AC Operating pressure -0.09 MPa1 MPa -0.9 bar10 bar Design Piston gate valve Properating voltage Operating pressure -0.09 MPa1 MPa -0.9 bar10 bar	Construction width	18 mm
Operating voltage Operating pressure Operating pres	Standard nominal flow rate (standardised to DIN 1343)	1500 l/min
Design Piston gate valve Type of reset Pneumatic spring Approval Cut us - Recognized (OL) Maritime classification See certificate CE mark (see declaration of conformity) To EU Low Voltage Directive UKCA marking (see declaration of conformity) DNV-TAA000032X UL MH19482 Degree of protection Pose Minimum	pneumatic working port	G1/4
Design Piston gate valve Type of reset Pneumatic spring Approval c. UL us - Recognized (OL) Maritime classification See certificate CE mark (see declaration of conformity) To UL ow Voltage Directive UKCA marking (see declaration of conformity) To UK regulations for electrical equipment Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection Ple5 With plug socket To IEC 60529 Nominal size 8 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Manual override Detenting via accessory Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Valve position code Inscription label holder Iap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar	Operating voltage	110V AC
Approval c UL us - Recognized (OL) Maritime classification See certificate CE mark (see declaration of conformity) To EU Low Voltage Directive UKCA marking (see declaration of conformity) DNV-TAA000032X UL MH19482 Degree of protection Protection With plug socket To IEC 60529 Nominal size 8 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position optional	Operating pressure	1 - 1
Approval c UL us - Recognized (OL) Maritime classification See certificate CE mark (see declaration of conformity) To EU Low Voltage Directive UKCA marking (see declaration of conformity) DNV-TAA000032X UL MH19482 Degree of protection IP66 See Mith plug socket To IEC 60529 Nominal size 8 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Optional Manual override Detenting via accessory Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Valve position code Inscription label holder Journal overlap Pilot pressure Overlap Pilot pressure O.25 MPa 1 MPa 2.5 bar 10 bar	Design	Piston gate valve
Maritime classification CE mark (see declaration of conformity) To EU Low Voltage Directive UKCA marking (see declaration of conformity) To UK regulations for electrical equipment DNV-TAA00003.2X UL MH1948.2 Degree of protection IP65 With plug socket To IEC 605.29 Nominal size Exhaust-air function Sealing principle Mounting position Manual override Detenting via accessory Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Valve position code Inscription label holder Overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar	Type of reset	Pneumatic spring
To EU Low Voltage Directive UKCA marking (see declaration of conformity) To UK regulations for electrical equipment DNV-TAA000032X UL MH19482 Degree of protection IP65 With plug socket To IEC 60529 Nominal size Exhaust-air function Sealing principle Mounting position Manual override Detenting via accessory Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Valve position code Inscription label holder Joyen Joy	Approval	c UL us - Recognized (OL)
UKCA marking (see declaration of conformity) To UK regulations for electrical equipment DNV-TAA000032X UL MH19482 Degree of protection IP65 With plug socket To IEC 60529 Nominal size 8 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Manual override Detenting via accessory Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Valve position code Inscription label holder Joverlap Pilot pressure O.25 MPa1 MPa 2.5 bar10 bar	Maritime classification	See certificate
Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection IP65 With plug socket To IEC 60529 Nominal size 8 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Optional Manual override Detenting via accessory Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Valve position code Inscription label holder Inscription label holder Overlap Pilot pressure O.25 MPa1 MPa 2.5 bar10 bar	CE mark (see declaration of conformity)	To EU Low Voltage Directive
Degree of protection Nominal size 8 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Optional Manual override Detenting via accessory Non-detenting Type of piloting Pilot actuated Pilot actuated External Flow direction Reversible Valve position code Inscription label holder Iap Overlap Pilot pressure O.25 MPa1 MPa 2.5 bar10 bar	UKCA marking (see declaration of conformity)	To UK regulations for electrical equipment
With plug socket To IEC 60529 Nominal size 8 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Manual override Detenting via accessory Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Valve position code Inscription label holder Overlap Pilot pressure O.25 MPa1 MPa 2.5 bar10 bar	Certificate issuing authority	
Exhaust-air function Sealing principle Soft Mounting position Manual override Manual override Detenting via accessory Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Valve position code Inscription label holder Overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar	Degree of protection	With plug socket
Sealing principle Mounting position Manual override Detenting via accessory Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Valve position code Inscription label holder Overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar	Nominal size	8 mm
Mounting position Manual override Detenting via accessory Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Valve position code Inscription label holder lap Overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar	Exhaust-air function	With flow control option
Manual override Detenting via accessory Non-detenting Pilot actuated Pilot air supply External Flow direction Reversible Valve position code Inscription label holder Iap Overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar	Sealing principle	Soft
Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Valve position code Inscription label holder lap Overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar	Mounting position	optional
Pilot air supply External Flow direction Reversible Valve position code Inscription label holder Overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar	Manual override	
Reversible Valve position code Inscription label holder Valve position code Overlap Pilot pressure O.25 MPa1 MPa 2.5 bar10 bar	Type of piloting	Pilot actuated
Valve position code Inscription label holder Overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar	Pilot air supply	External
Overlap Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar	Flow direction	Reversible
Pilot pressure 0.25 MPa1 MPa 2.5 bar10 bar	Valve position code	Inscription label holder
2.5 bar10 bar	lap	Overlap
Switching time off 20 ms	Pilot pressure	
	Switching time off	20 ms

Feature	Value
Switching time on	26 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	3300 μs
Max. negative test pulse with 1 signal	3100 µs
Characteristic coil data	110 V AC: 50/60 Hz, pick-up power 3.0 VA, holding power 2.4 VA
Permissible voltage fluctuations	-15%/+10%
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Media temperature	-5 °C50 °C
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C50 °C
Product weight	220 g
Electrical connection	Type C
Type of mounting	With through-hole
Pilot exhaust port 82	M5
Pilot exhaust port 84	M5
Pilot air port 12	M5
Pilot air port 14	M5
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	G1/4
Pneumatic connection, port 4	G1/4
Pneumatic connection, port 5	G1/4
Note on materials	RoHS-compliant
Material seals	NBR
Material housing	Die-cast aluminium