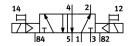
Air solenoid valve CPE18-M2H-5J-QS-10 Part number: 163779

FESTO





General operating condition

Data sheet

Actuation type Electrical Width 18 mm Standard nominal flow rate 1000 l/min Pheumatic working port QS-10 Operating voltage 110V AC Operating pressure 0.2 MPa 1 MPa Operating pressure 2 bar 10 bar Structural design Piston gate valve Certification cU us - Recognized (OL) Maritime classification See certificate CE marking (see declaration of conformity) As per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority DINV-TAA000032X UL MH19-882 Degree of protection Pf6 With plug socket as per IEC 60529 Nominal width 8 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Tipe of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol O0991013 Valve position ID Label holder Lap Changeover time 13 ms Duty cycle 100% Max. negative test pulse on 1 signal 3100 µs Coil characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations -15 % / +10 %	Feature	Value
Width 18 mm Standard nominal flow rate 1000 l/min 1000	Valve function	5/2, bistable
Standard nominal flow rate 1000 l/min Pneumatic working port QS-10 Operating yoltage 110 V AC Operating pressure 0.2 MP 1 MP a Operating pressure 2 bar 10 bar Structural design Piston gate valve Certification cUL us - Recognized (OL) Maritime classification See certificate CE marking (see declaration of conformity) As per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority UL MH19482 Degree of protection Pie65 With plug socket as per IEC 60529 Nominal width 8 mm EXhaust air function With flow control option Sealing principle Soft Manual override Detenting via accessory Non-detenting Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol 00991013 Valve position ID Label holder Lap Overlap Changeover time 13 ms Duty cycle 100 Wax. positive test pulse with 0 signal 3300 µs Max. negative test pulse with 0 signal 3100 µs Coil characteristics 110 VAC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations	Actuation type	Electrical
Pneumatic working port Operating voltage 110 V AC Operating pressure 0.2 MPa 1 MPa Operating pressure 2 bar 10 bar Structural design Piston gate valve Certification CUL us - Recognized (OL) Maritime classification See certificate Et marking (see declaration of conformity) As per EU low voltage directive UKCA marking (see declaration of conformity) TO UK instructions for electrical equipment Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection Pip65 With plug socket as per IEC 60529 Nominal width 8 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Oo991013 Valve position ID Labe holder Lap Changeover time 13 ms Duty cycle Max. negative test pulse with 0 signal Max. negative test pulse with 0 signal Max. negative test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations - 15 % / +10 % Permissible voltage fluctuations	Width	18 mm
Operating voltage Operating pressure Operating of Operation Operating directive Operating pressure Operating	Standard nominal flow rate	1000 l/min
Operating pressure Operating pressure 2 bar 10 bar Structural design Piston gate valve Certification Cut us - Recognized (Ot) Maritime classification See certificate CE marking (see declaration of conformity) As per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority UKCA marking (see declaration of conformity) Degree of protection Pie65 With plus socket as per IEC 60529 Nominal width S mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Type of control Pilot controlled Pilot controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Queyposition ID Label holder Lap Overlap Changeover time 13 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. positive test pulse with 0 signal Max. positive test pulse on 1 signal Coil characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations -15 % / +10 %	Pneumatic working port	QS-10
Operating pressure 2 bar 10 bar Structural design Piston gate valve Certification Cut. us - Recognized (OL) Maritime classification See certificate CE marking (see declaration of conformity) DIVA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority DIV-TAA000032X UL MH19482 Degree of protection Pie5 With plug socket as per IEC 60529 Nominal width 8 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Nom-detenting Type of control Pilot-controlled Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Valve position ID Label holder Lap Overlap Changeover time 13 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations - 15 % / +10 %	Operating voltage	110V AC
Structural design Piston gate valve Certification c UL us - Recognized (OL) Maritime classification See certificate CE marking (see declaration of conformity) As per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection Pieto Pie	Operating pressure	0.2 MPa 1 MPa
Certification culture - Recognized (OL) Maritime classification See certificate CE marking (see declaration of conformity) LIKCA marking (see declaration of conformity) TO UK instructions for electrical equipment DNV-TAA000032X UL MH19482 Degree of protection P65 With plug socket as per IEC 60529 Nominal width 8 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Type of control Pilot controlled Pilot controlled Flow direction Non-reversible Symbol Oo991013 Valve position ID Label holder Lap Overlap Changeover time 13 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations	Operating pressure	2 bar 10 bar
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Degree of protection P65 With plug socket as per IEC 60529 Nominal width Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Oo991013 Valve position ID Label holder Lap Overlap Changeover time 13 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations 15 % / +10 %	UKCA marking (see declaration of conformity)	To UK instructions for electrical equipment
With plug socket as per IEC 60529 Nominal width Exhaust air function Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol O0991013 Valve position ID Label holder Lap Overlap Changeover time 13 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations	Certificate issuing authority	
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Pilot air supply portInternalFlow directionNon-reversibleSymbol00991013Valve position IDLabel holderLapOverlapChangeover time13 msDuty cycle100%Max. positive test pulse with 0 signal3300 μsMax. negative test pulse on 1 signal3100 μsCoil characteristics110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VAPermissible voltage fluctuations-15 % / +10 %	Manual override	
Flow direction Non-reversible Symbol 00991013 Valve position ID Label holder Lap Overlap Changeover time 13 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations Non-reversible	Type of control	Pilot-controlled
Symbol 00991013 Valve position ID Label holder Lap Overlap Changeover time 13 ms Duty cycle 100% Max. positive test pulse with 0 signal 3300 µs Max. negative test pulse on 1 signal 3100 µs Coil characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations -15 % / +10 %	Pilot air supply port	Internal
Valve position ID Label holder Lap Overlap Changeover time 13 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal 3100 μs Coil characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations -15 % / +10 %	Flow direction	Non-reversible
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Changeover time13 msDuty cycle100%Max. positive test pulse with 0 signal3300 μsMax. negative test pulse on 1 signal3100 μsCoil characteristics110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VAPermissible voltage fluctuations-15 % / +10 %	Valve position ID	Label holder
Duty cycle100%Max. positive test pulse with 0 signal3300 μsMax. negative test pulse on 1 signal3100 μsCoil characteristics110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VAPermissible voltage fluctuations-15 % / +10 %	Lap	Overlap
Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations -15 % / +10 %	Changeover time	13 ms
Max. negative test pulse on 1 signal 3100 μs Coil characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations -15 % / +10 %	Duty cycle	100%
Coil characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations -15 % / +10 %	Max. positive test pulse with 0 signal	3300 μs
Permissible voltage fluctuations -15 % / +10 %	Max. negative test pulse on 1 signal	3100 μs
	Coil characteristics	110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA
Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Permissible voltage fluctuations	-15 % / +10 %
	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]

Feature	Value
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Temperature of medium	-5 °C 50 °C
Ambient temperature	-5 °C 50 °C
Electrical connection	Form C
Type of mounting	With through-hole
Pilot exhaust air port 82	M5
Pilot exhaust air port 84	M5
Pilot air port 12	M5
Pilot air port 14	M5
Pneumatic connection 1	QS-10
Pneumatic connection 2	QS-10
Pneumatic connection 3	G1/4
Pneumatic connection 4	QS-10
Pneumatic connection 5	G1/4
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum