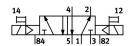
Air solenoid valve CPE10-M1BH-5J-QS-6 Part number: 196877







General operating condition

Data sheet

Valve function 5/2, bistable Actuation type Electrical Width 10 mm Standard nominal flow rate 320 l/min Pneumatic working port QS-6 Operating pressure Q.24 DC Operating pressure 0.25 MPa 0.8 MPa Operating pressure 9.25 bar 8 bar Structural design Piston gate valve Certification 1 c UL us - Recognized (OL) Maritime classification 2 c UL us - Recognized (OL) Maritime classification 3 ese certificate Certificate issuing authority DNV-TAAQ00032X UL MH19482 Degree of protection 1 P65 With plug socket as per IEC 60529 Nominal width 4 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Pilot air supply port Pilot controlled Pilot air supply port Pilot internal Flow direction Non-reversible Symbol 00991013 Valve position ID Label holder Lap 00verlap Changeover time 8 ms Duty cycle 100% in combination with holding current reduction Max. positive test pulse with 0 signal 1200 µs Max. positive test pulse with 0 signal 900 µs Compressed air as per ISO 8573-1:2010 [7:4:4] Permissible voltage fluctuations 1-5 % / +10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Feature	Value
Width 10 mm Standard nominal flow rate 320 l/min Pneumatic working port QS-6 Operating voltage 24V DC Operating pressure 0.25 MPa 0.8 MPa Operating pressure 2.5 bar 8 bar Structural design Piston gate valve Certification CUL us - Recognized (OL) Maritime classification See certificate Certificate issuing authority DNV-TAA000032X ULI MH19/882 Degree of protection Pieto gate valve 2 mit help by a per left 60529 Nominal width 4 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Determine Pilot-controlled Pilot-contro	Valve function	5/2, bistable
Standard nominal flow rate Pneumatic working port QS-6 Operating voltage Q2-4V DC Operating pressure Q5-5 MPa 0.8 MPa Operating pressure Q5-6 MPa 0.8 MPa Operating voltage Q5-6 Operating voltage Q5-6 Operating voltage Q6-6 Q6-6 MPa 0.8 MPa Q5-6 Operating voltage Q6-6 MPa 0.8 MPa Q5-6 Operating voltage Q6-6 MPa 0.8 MPa Q5-6 Operating voltage Q6-6 Q6-6 MPa 0.8 MPa Q6-6 MPa .	Actuation type	Electrical
Pneumatic working port Operating voltage Operating pressure Operating pressure Operating pressure 2.5 bar 8 bar Structural design Piston gate valve Certification Certification See certificate Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection Pies with plug socket as per IEC 60529 Nominal width A mm Eshaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Dietenting via accessory Non-detenting Pilot control Pilot air supply port Internal Flow direction Non-reversible Symbol Valve position ID Label holder Lape Changeover time Bar Sam Duty cycle Max. positive test pulse on 1 signal Operating medium Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Width	10 mm
Operating voltage 24 V DC Operating pressure 0.25 MPa 0.8 MPa Operating pressure 2.5 bar 8 bar Structural design Piston gate valve Certification c UL us - Recognized (OL) Maritime classification See certificate Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection IP65 With plug socket as per IEC 60529 Nominal width 4 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 air supply port Internal Flow direction Non-reversible Symbol 0099103 Valve position ID Label holder Lap Overlap Changeover time 8 ms Duty cycle 100% in combination with holding current reduction Max. negative test pulse with 0 signal 1200 µs Max. negative test pulse on 1 signal 24 V DC: 1.28 W	Standard nominal flow rate	320 l/min
Operating pressure 0.25 MPa 0.8 MPa Operating pressure 2.5 bar 8 bar Structural design Piston gate valve Certification c UL us - Recognized (OU) Maritime classification See certificate Certificate issuing authority DN-T-AA000032X UL MH19482 Degree of protection IP65 With plug socket as per IEC 60529 Nominal width 4 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 air supply port Internal Flow direction Non-reversible Symbol 00991013 Valve position ID Label holder Lap Overlap Changeover time 8 ms Duty cycle 100% in combination with holding current reduction Max. negative test pulse with 0 signal 1200 μs Max. negative test pulse with 0 signal 24 V DC: 1.28 W Permissible voltage fluctuations	Pneumatic working port	QS-6
Operating pressure 2.5 bar 8 bar Structural design Piston gate valve Certification c U. U. s - Recognized (OL) Maritime classification See certificate Certificate issuing authority DNY-TAA000032X UL MH19482 Degree of protection IP65 With plug socket as per IEC 60529 Nominal width 4 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 air supply port Internal Flow direction Non-reversible Symbol 00991013 Valve position ID Label holder Lap Overlap Changeover time 8 ms Duty cycle 100% in combination with holding current reduction Max. negative test pulse with 0 signal 1200 µs Max. negative test pulse with 0 signal 24 V D:: 1.28 W Permissible voltage fluctuations -15 % / +10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Operating voltage	24V DC
Structural design Piston gate valve Certification c UL us - Recognized (OL) Maritime classification See certificate Certificate issuing authority DN-TAA000032X UL MH19482 Degree of protection IP65 With plug socket as per IEC 60529 Nominal width 4 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 air supply port Internal Flow direction Non-reversible Symbol 00991013 Valve position ID Label holder Lap Overlap Changeover time 8 ms Duty cycle 100% in combination with holding current reduction Max. positive test pulse with 0 signal 1200 µs Max. positive test pulse on 1 signal 900 µs Coil characteristics 24 V DC: 1.28 W Permissible voltage fluctuations 15 % /+10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Operating pressure	0.25 MPa 0.8 MPa
Certification cuber of control plot plot plot plot plot plot plot pl	Operating pressure	2.5 bar 8 bar
Maritime classificationSee certificateCertificate issuing authorityDNV-TAA000032X UL MH19482Degree of protectionBNV-TAA000032X UL MH19482Degree of protectionWifth plug socket as per IEC 60529Nominal width4 mmExhaust air functionWith flow control optionSealing principleSoftMounting positionAnyManual overrideDetenting via accessory Non-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleSymbol00991013Valve position IDLabel holderLapOverlapChangeover time0094100Duty cycle100% in combination with holding current reductionMax. positive test pulse with 0 signal1200 μsMax. negative test pulse with 0 signal900 μsCoil characteristics24 V DC: 1.28 WPermissible voltage fluctuations-15 % / +10 %Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]	Structural design	Piston gate valve
Certificate issuing authority DRY-TAA000032X UL MH19482 Degree of protection Ple65 With plug socket as per IEC 60529 Nominal width 4 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Pilot-controlled Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Valve position ID Lap Changeover time Duty cycle Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Operating medium Diverating medium DINY-TAA000032X UL MH19482 DNY-TAA000032X UL MH19482 DINY-TAA000032X UL MH19482 With plug socket as per IEC 60529 Non-TAA000032X UL MH19482 DNY-TAA000032X With plug socket as per IEC 60529 With plug socket as per IEC 60529 Non-TAA000032X With plug socket as per IEC 60529 Non-TAA000032X With plug socket as per IEC 60529 DNY-TAA000032X With plug socket as per IEC 60529 Non-Taa00003 DNY-TAA00003 With flow control option Sock as per IEC 60529 Non-Taa00000000000000000000000000000000000	Certification	c UL us - Recognized (OL)
Degree of protection Protecti	Maritime classification	See certificate
Nominal width4 mmExhaust air functionWith flow control optionSealing principleSoftMounting positionAnyManual overrideDetenting via accessory Non-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleSymbol00991013Valve position IDLabel holderLapOverlapChangeover time8 msDuty cycle100% in combination with holding current reductionMax. positive test pulse with 0 signal1200 μsMax. negative test pulse on 1 signal900 μsCoil characteristics24 V DC: 1.28 WPermissible voltage fluctuations15 % / +10 %Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]	Certificate issuing authority	
Exhaust air function Sealing principle Soft Mounting position Manual override Pilot-controlled Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Overlap Changeover time Duty cycle Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Operating wind in the follow control option With flow control option With flow control option Soft Any Mith flow control option Soft Any Any Any Pilot-controlled Pilot-controlled Pilot-controlled Pilot-controlled Pilot-controlled Pilot-controlled Pilot-controlled Non-reversible Non-reversible Overlap Coverlap Overlap Coverlap 100% in combination with holding current reduction Max. positive test pulse with 0 signal 1200 µs Max. negative test pulse on 1 signal Ous in combination with holding current reduction Max. negative test pulse on 1 signal Ous in combination with holding current reduction Max. negative test pulse on 1 signal Ous in combination with holding current reduction Max. negative test pulse on 1 signal Ous in combination with holding current reduction Max. negative test pulse on 1 signal Ous in combination with holding current reduction Max. negative test pulse on 1 signal Ous in combination with holding current reduction Max. negative test pulse on 1 signal Ous in combination with holding current reduction Any Out in combination with holding current reduction Out in combination with holding current reduction on the pulse of th	Degree of protection	With plug socket
Sealing principleSoftMounting positionAnyManual overrideDetenting via accessory Non-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleSymbol00991013Valve position IDLabel holderLapOverlapChangeover time8 msDuty cycle100% in combination with holding current reductionMax. positive test pulse with 0 signal1200 μsMax. negative test pulse on 1 signal900 μsCoil characteristics24 V Dc: 1.28 WPermissible voltage fluctuations-15 % / +10 %Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]	Nominal width	4 mm
Mounting positionAnyManual overrideDetenting via accessory Non-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleSymbol00991013Valve position IDLabel holderLapOverlapChangeover time8 msDuty cycle100% in combination with holding current reductionMax. positive test pulse with 0 signal1200 μsMax. negative test pulse on 1 signal900 μsCoil characteristics24 V DC: 1.28 WPermissible voltage fluctuations-15 % / +10 %Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]	Exhaust air function	With flow control option
Manual overrideDetenting via accessory Non-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleSymbol00991013Valve position IDLabel holderLapOverlapChangeover time8 msDuty cycle100% in combination with holding current reductionMax. positive test pulse with 0 signal1200 μsMax. negative test pulse on 1 signal900 μsCoil characteristics24 V DC: 1.28 WPermissible voltage fluctuations-15 % / +10 %Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]	Sealing principle	Soft
Type of controlNon-detentingPilot air supply portInternalFlow directionNon-reversibleSymbol00991013Valve position IDLabel holderLapOverlapChangeover time8 msDuty cycle100% in combination with holding current reductionMax. positive test pulse with 0 signal1200 μsMax. negative test pulse on 1 signal900 μsCoil characteristics24 V DC: 1.28 WPermissible voltage fluctuations-15 % / +10 %Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]	Mounting position	Any
Pilot air supply portInternalFlow directionNon-reversibleSymbol00991013Valve position IDLabel holderLapOverlapChangeover time8 msDuty cycle100% in combination with holding current reductionMax. positive test pulse with 0 signal1200 μsMax. negative test pulse on 1 signal900 μsCoil characteristics24 V DC: 1.28 WPermissible voltage fluctuations-15 % / +10 %Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]	Manual override	
Flow direction Non-reversible Symbol O0991013 Valve position ID Label holder Lap Overlap Changeover time 8 ms Duty cycle 100% in combination with holding current reduction Max. positive test pulse with 0 signal 1200 µs Max. negative test pulse on 1 signal Ooil characteristics 24 V DC: 1.28 W Permissible voltage fluctuations Operating medium Non-reversible Non-reversible Non-reversible 10091013 Label holder 1000 µs 8 ms 2000 µs Coil characteristics 24 V DC: 1.28 W Compressed air as per ISO 8573-1:2010 [7:4:4]	Type of control	Pilot-controlled
Symbol00991013Valve position IDLabel holderLapOverlapChangeover time8 msDuty cycle100% in combination with holding current reductionMax. positive test pulse with 0 signal1200 μsMax. negative test pulse on 1 signal900 μsCoil characteristics24 V DC: 1.28 WPermissible voltage fluctuations-15 % / +10 %Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]	Pilot air supply port	Internal
Valve position IDLabel holderLapOverlapChangeover time8 msDuty cycle100% in combination with holding current reductionMax. positive test pulse with 0 signal1200 μsMax. negative test pulse on 1 signal900 μsCoil characteristics24 V DC: 1.28 WPermissible voltage fluctuations-15 % / +10 %Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]	Flow direction	Non-reversible
LapOverlapChangeover time8 msDuty cycle100% in combination with holding current reductionMax. positive test pulse with 0 signal1200 μsMax. negative test pulse on 1 signal900 μsCoil characteristics24 V DC: 1.28 WPermissible voltage fluctuations-15 % / +10 %Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]	Symbol	00991013
Changeover time8 msDuty cycle100% in combination with holding current reductionMax. positive test pulse with 0 signal1200 μsMax. negative test pulse on 1 signal900 μsCoil characteristics24 V DC: 1.28 WPermissible voltage fluctuations-15 % / +10 %Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]	Valve position ID	Label holder
Duty cycle100% in combination with holding current reductionMax. positive test pulse with 0 signal1200 μsMax. negative test pulse on 1 signal900 μsCoil characteristics24 V DC: 1.28 WPermissible voltage fluctuations-15 % / +10 %Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]	Lap	Overlap
Max. positive test pulse with 0 signal1200 μsMax. negative test pulse on 1 signal900 μsCoil characteristics24 V DC: 1.28 WPermissible voltage fluctuations-15 % / +10 %Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]	Changeover time	8 ms
Max. negative test pulse on 1 signal900 μsCoil characteristics24 V DC: 1.28 WPermissible voltage fluctuations-15 % / +10 %Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]	Duty cycle	100% in combination with holding current reduction
Coil characteristics 24 V DC: 1.28 W Permissible voltage fluctuations -15 % / +10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Max. positive test pulse with 0 signal	1200 µs
Permissible voltage fluctuations -15 % / +10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Max. negative test pulse on 1 signal	900 μs
Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Coil characteristics	24 V DC: 1.28 W
	Permissible voltage fluctuations	-15 % / +10 %
	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)

Feature	Value
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 ℃ 50 ℃
Ambient temperature	-5 ℃ 50 ℃
Electrical connection	2-pin
Type of mounting	With through-hole
Pilot exhaust air port 82	M3
Pilot exhaust air port 84	M3
Pilot air port 12	M3
Pilot air port 14	M3
Pneumatic connection 1	QS-6
Pneumatic connection 2	QS-6
Pneumatic connection 3	M7
Pneumatic connection 4	QS-6
Pneumatic connection 5	M7
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum