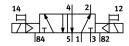
Air solenoid valve CPE24-M2H-5J-QS-12 Part number: 163827







General operating condition

Data sheet

Actuation type Electrical Width 24 mm Standard nominal flow rate 1650 l/min Pheumatic working port Operating voltage 1100 AC Operating pressure Operating pressure 1 2 bar 10 bar Structural design Piston gate valve Certification CL UL us - Recognized (OL) Maritime classification See certificate CE marking (see declaration of conformity) Marking (see declaration of conformity) MCA marking (see declaration of conformity) DNV-TAA000032X UL MH19482 Degree of protection Piston gate valve With plug socket as per IEC 60529 Nominal width 11 mm Exhaust air function Wealth flow control option Sealing principle Soft Mounting position Any Manual override Detenting yai accessory Non-detenting Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Valve position ID Label holder Lap Changeover time 25 ms Duty cycle Max. negative test pulse on 1 signal Coil characteristics 110 VAC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations -15 % / +10 % Permissible voltage fluctuations -15 % / +10 % Permissible voltage fluctuations	Feature	Value
Width 24 mm Standard nominal flow rate 1650 l/min Pherumatic working port QS 12 Operating yoltage 110 V AC Operating pressure 0.2 MPa 1 MPa Operating pressure 2 bar 10 bar Structural design Plston gate valve Certification 5 certification 5 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 UK MH19482 Degree of protection Pfe5 With plug socket as per IEC 60529 Nominal width 11 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Determine Pilot-controlled Pilot-controlled Pilot of control option Flow direction Non-reversible Symbol 00991013 Valve position ID Label holder Lap Overlap O	Valve function	5/2, bistable
Standard nominal flow rate 1650 l/min QS-12 Operating ports QS-12 Operating pressure 0.2 Mr 1 MPa 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 MH9482 UBGE of protection Pies With plug socket as sper IEC 60529 Nominal width 11 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Pilot control Pilot controlled Pilot air supply port Internal Flow direction Non-reversible Symbol 00991013 Valve position ID Label holder Lap Overlap Changeover time 25 ms Duty cycle 100% Max. negative test pulse with 0 signal 3300 µs Max. negative test pulse with 0 signal 110 VAC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations - 15 % /+10 %	Actuation type	Electrical
Preumatic 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 cultus - Recognized (0t) Maritime classification See certificate CE marking (See declaration of conformity) As per EU low voltage directive UKCA marking (See declaration of conformity) DNV-TAA000032X UL MH19482 Degree of protection Pie56 With plug socket as per IEC 60529 Nominal width 11 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 O0991013 Valve position ID Labe holder Lap Changeover time 25 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 - 25 m/s 5 m/s 10 VAC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations	Width	24 mm
Operating voltage Operating pressure Operating of Operating Operating pressure Operating pressure Operating of Operating Operating operative Operating direction Operating operative Operating operation Operating operation Operating operation Operating operation Operating operation Operating operation Operating Operating operation Operating Operating operation Operating Operation O	Standard nominal flow rate	1650 l/min
Operating pressure Operating pressure Operating pressure 2 bar 10 bar Structural design Piston gate valve Certification Cettraction 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) DNV-TAA000033X UL MH19482 Degree of protection Pie65 With plus socket as per IEC 60529 Nominal width 11 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 O0991013 Valve position ID Label holder Lap Overlap Changeover time 25 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse with 0 signal Max. negative test pulse with 0 signal Max. positive test pulse with 0 signal Max. negative test pulse with 0 signal Max. positive test pulse with 0 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-12
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) As per EU low voltage directive UKCA marking (see declaration of conformity) DNV-TAA000032X UL MH19482 Degree of protection Pie5 With plug socket as per IEC 60529 Nominal width 11 mm Exhaust air function Sealing principle Soft Mounting position Manual override Detenting via accessory Non-detenting Type of control Pilot-controlled Pilot-controlled Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Oo991013 Valve position ID Label holder Lap Overlap Changeover time Duty cycle Max. pegative 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 Piess With plug socket as per IEC 60529 Nominal width 11 mm Exhaust air function Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Pilot air supply port Internal Flow direction Non-reversible Symbol Oo991013 Valve position ID Label holder Lap Overlap Changeover time 25 ms Duty cycle 100% Max. positive 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	Operating pressure	0.2 MPa 1 MPa
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 IP65 With plug socket as per IEC 60529 Nominal width 11 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 O0991013 Valve position ID Label holder Lap Overlap Changeover time 25 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
Maritime classification 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 Pfe5 With plug socket as per IEC 60529 Nominal width 11 mm Exhaust air function Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Type of control Pflot air supply port Internal Flow direction Non-reversible Symbol Valve position ID Label holder Lap Changeover time Duty cycle 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	Structural design	Piston gate valve
LE marking (see declaration of conformity) As per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment DNV-TAA000032X UL MH19482 Degree of protection Degree of protection Pl65 With plug socket as per IEC 60529 Nominal width 11 mm Exhaust air function Sealing principle Soft Mounting position 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 Changeover time Date to the problem of th	Certification	c UL us - Recognized (OL)
UKCA marking (see declaration of conformity) To UK instructions for electrical equipment DNV-TAA000032X UL MH19482 Degree of protection Power as per IEC 60529 Nominal width 11 mm Exhaust air function Sealing principle Mounting position 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 Changeover time Duty cycle Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics 110 ∨ AC: 50/60 Hz, initial power 3.0 ∨A, holding power 2.4 ∨A Permissible voltage fluctuations 15 % / +10 %	Maritime classification	See certificate
DNV-TAA000032X UL MH19482 Degree of protection P65 With plug socket as per IEC 60529 Nominal width 11 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 Valve position ID Label holder Lap Overlap Changeover time Detenting via by Sm Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics 110 ∨ AC: 50/60 Hz, initial power 3.0 ∨A, holding power 2.4 ∨A Permissible voltage fluctuations	CE marking (see declaration of conformity)	As per EU low voltage directive
Degree of protection IP65 With plug socket as per IEC 60529 Nominal width 11 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 O0991013 Valve position ID Label holder Lap Changeover time 25 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 Mounting position Manual override Detenting via accessory Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Valve position ID Label holder Lap Overlap Changeover time Duty cycle 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 11 W AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations	Certificate issuing authority	
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 Ooy91013 Valve position ID Label holder Changeover time 25 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	Degree of protection	With plug socket
Sealing principle 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 Valve position ID Label holder Lap Overlap Changeover time Duty cycle 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	Nominal width	11 mm
Mounting position Manual override Detenting via accessory Non-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 25 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	Exhaust air function	With flow control option
Manual overrideDetenting via accessory Non-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleSymbol00991013Valve position IDLabel holderLapOverlapChangeover time25 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 %	Sealing principle	Soft
Non-detenting Type of control Pilot air supply port Internal Flow direction Non-reversible Symbol O0991013 Valve position ID Label holder Lap Overlap Changeover time 25 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	Mounting position	Any
Pilot air supply port Flow direction Non-reversible Symbol 00991013 Valve position ID Label holder Overlap Changeover time 25 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	Manual override	
Flow direction Non-reversible O0991013 Valve position ID Label holder Lap Overlap Changeover time 25 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal 3300 µs Coil characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations Non-reversible Non-reversible	Type of control	Pilot-controlled
Symbol 00991013 Valve position ID Label holder Lap Overlap Changeover time 25 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 Overlap Changeover time 25 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
LapOverlapChangeover time25 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 %	Symbol	00991013
Changeover time 25 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 %	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	25 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-12
Pneumatic connection 2	QS-12
Pneumatic connection 3	G3/8
Pneumatic connection 4	QS-12
Pneumatic connection 5	G3/8
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum