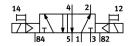
## Air solenoid valve CPE18-M3H-5J-QS-10 Part number: 163803







General operating condition

## **Data sheet**

Actuation type  Electrical  Width  18 mm  Standard nominal flow rate  1000 l/min  Pheumatic working port  Operating voltage  230V 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  EE marking (see declaration of conformity)  Marking (see declaration of conformity)  To UK instructions for electrical equipment  Certificate issuing authority  DINV-TAA00032X  UL MH19482  Degree of protection  Piston gate valve  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 yai accessory  Non-detenting  Type of control  Pilot control  Pilot controlled  Pilot controlled  Pilot controlled  Pilot air supply port  Internal  Flow direction  Non-reversible  Symbol  Valve position ID  Label holder  Lap  Changeover time  13 ms  Duty cycle  Max. negative test pulse on 1 signal  Coil characteristics  230 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   Pheumatic working port QS 10 Operating yoltage 230 W C Operating pressure 0.2 MPa 1 MPa Operating pressure 2 bar 10 bar  Structural design Plston gate valve Certification CLU 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 PR65 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 Determine Soft Mounting position Any Manual override Determine Soft Non-reversible Symbol Valve position ID Label holder Label holder Lape Overlap Overlap Change or time 13 ms Duty cycle 100% Max. negative test pulse on 1 signal 3100 µs Coli characteristics 230 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations -15 % / +10 %	Valve function	5/2, bistable
Standard nominal flow rate 1000 l/min   Pneumatic working port QS-10 Operating pressure 0.2 MP 1 MPa Operating pressure 2 bar 10 bar Structural design Piston gate valve Certification cUL us - Recognized (OU) 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 8 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 13 ms Duty cycle 100% Max. negative test pulse with 0 signal 3300 µs Max. negative test pulse with 0 signal 100 ks. 15% / +10 %	Actuation type	Electrical
Preumatic working port Operating voltage 230 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 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 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 230 VAc; 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations - 258 Fare Pilot on Pilot power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations - 258 VAC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations - 258 VAC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations	Width	18 mm
Operating voltage 230V AC Operating pressure 0.2 MPa 1 MPa Operating pressure 2 bar 10 bar Structural design Piston gate valve Certification cUL us - Recognized (OU) 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 Pies Exhaust air function 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 Determing via accessory Non-detenting Vipe of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Operating Pilot-controlled Lape Overlap Changeover time 13 ms Duty cycle 100% Max. negative test pulse with 0 signal 3100 µs Max. negative test pulse on 1 signal 3100 µs Permissible voltage fluctuations -15 % / +10 %	Standard nominal flow rate	1000 l/min
Operating pressure Operating pressure Operating pressure 2 bar 10 bar Structural design Piston gate valve Certification Cettrication 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 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 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 with 0 signal Max. negative test pulse with 0 signal Max. positive test pulse with 0 signal Max. negative test pulse with 0 signal Coil characteristics 230 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)  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  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  Non-detenting  Type of control  Pilot-controlled  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. negative test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  230 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA  Permissible voltage fluctuations  - 15 % /+10 %	Operating voltage	230V 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 8 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 13 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 230 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  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  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  3300 μs  Max. negative test pulse on 1 signal  Coil characteristics  230 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  8 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  Changeover time  Duty cycle  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  230 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA  Permissible voltage fluctuations	Structural design	Piston gate valve
CE 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  P165 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 air supply port  Internal  Flow direction  Non-reversible  Symbol  Oo991013  Valve position ID  Label holder  Changeover time  Daty cycle  Max. positive test pulse on 1 signal  Max. negative test pulse on 1 signal  Soil Was accessory Non-detenting  3100 µs  Coil characteristics  230 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA  Permissible voltage fluctuations	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  S 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  230 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA  Permissible voltage fluctuations	Maritime classification	See certificate
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 air supply port  Internal  Flow direction  Non-reversible  Symbol  Valve position ID  Label holder  Lap  Overlap  Changeover time  Duty cycle  100%  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  230 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA  Permissible voltage fluctuations	CE marking (see declaration of conformity)	As per EU low voltage directive
Degree of protection  Nominal width  Exhaust air function  Sealing principle  Soft  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  Oo991013  Valve position ID  Label holder  Lap  Changeover time  13 ms  Duty cycle  100%  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  230 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA  Permissible voltage fluctuations	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  230 V 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  13 ms  Duty cycle  100%  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  230 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  13 ms  Duty cycle  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  230 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA  Permissible voltage fluctuations	Nominal width	8 mm
Mounting positionAnyManual overrideDetenting via accessory Non-detentingType of controlPilot-controlledPilot 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 characteristics230 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VAPermissible voltage fluctuations-15 % / +10 %	Exhaust air function	With flow control option
Manual overrideDetenting via accessory Non-detentingType of controlPilot-controlledPilot 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 characteristics230 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 13 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics 230 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  13 ms  Duty cycle  100%  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  230 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  13 ms  Duty cycle  100%  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  230 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA  Permissible voltage fluctuations  Non-reversible  Non-reversible  100991013  Itabel holder  100%  13 ms  100%  23 ms  24 ms  25 ms  26 ms  27 ms  27 ms  28 ms  28 ms  28 ms  28 ms  28 ms  29 ms  29 ms  29 ms  20	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 230 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  13 ms  Duty cycle  100%  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  230 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 time13 msDuty cycle100%Max. positive test pulse with 0 signal3300 μsMax. negative test pulse on 1 signal3100 μsCoil characteristics230 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VAPermissible voltage fluctuations-15 % / +10 %	Symbol	00991013
Changeover time13 msDuty cycle100%Max. positive test pulse with 0 signal3300 μsMax. negative test pulse on 1 signal3100 μsCoil characteristics230 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 characteristics230 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  230 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 230 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 230 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	230 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