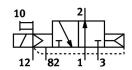
## Air solenoid valve CPE24-M2H-3OLS-QS-10 Part number: 163820







## **Data sheet**

General operating condition

Actuation type  Electrical  Width  24 mm  Standard nominal flow rate  1250 l/min  Preumatic working port  Operating voltage  110V AC  Operating pressure  -0.09 MPa 1 MPa  Operating pressure  -0.9 bar 10 bar  Piston gate valve  Reset method  Pneumatic spring  Certification  Cul. us - Recognized (OL)  Maritime classification  Emarking (see declaration of conformity)  As per El llow voltage directive  CETIFIcate issuing authority  DNV-TAA000032X  UL MH19482  Degree of protection  Ple56  With plug socket as per lice 60529  Nominal width  11 mm  Sealing principle  Soft  Mounting position  Any  Manual override  Operating position  Any  Manual override  Detenting via accessory  Non-detenting  Flot-controlled  Elctrail  Flot direction  Non-reversible  Symbol  Operating voltage  One switching time of one  One switching time of one  One switching time of one	Feature	Value
Avidith 24 mm  Standard nominal flow rate 1250 l/min  Oneumatic working port Q5-10  Operating voltage 110 V AC  Operating pressure -0.09 Mpa 1 Mpa  Operating pressure 9.09 bar 10 bar  Structural design Piston gate valve  Reset method Pneumatic spring  Certification CUL us - Recognized (OL)  Waritime classification See certificate  Et marking (see declaration of conformity) As per EU low voltage directive  ELKCA marking (see declaration of conformity) To UK instructions for electrical equipment  Certificate issuing authority UL MH19482  Deverage of protection Piece of the processor of the	Valve function	3/2, open, monostable
Standard nominal flow rate 1250 l/min Peneumatic working port QS-10  Operating pressure - 0.09 MPa 1 MPa Operating pressure - 0.99 bar 10 bar  Structural design Piston gate valve Reset method Pneumatic spring Cretification C UL us - Recognized (01)  Maritime classification See certificate Examering (see declaration of conformity) As per EU low voltage directive  LIKCA marking (see declaration of conformity) To UK instructions for electrical equipment  Certificate issuing authority DNV-TAA000032X UL MH19482  Degree of protection PP65 With plug socket as per EC 60529  Nominal width 11 mm  Sealing principle Soft Mounting position Any Manual override Determine Piot-controlled External  Flot control Pilot-controlled  Pilot control Pilot-controlled  External  Flow direction Non-reversible  Soymbol O0991402  John Date of Doub Pilot Date Overlap  Overlap  Overlap  Overlap  Overlap  Overlap  Out yocke  Doub Som Som Sound  Doub yocke  Doub yo	Actuation type	Electrical
Operating voltage 110V AC Operating voltage 110V AC Operating pressure -0.09 MPa 1 MPa Operating pressure -0.99 bar 10 bar Operating time off Operating time of Operating time of Operating time off Operating time of Operating time off Operating Operatin	Width	24 mm
Departing voltage	Standard nominal flow rate	1250 l/min
Departing pressure  -0.09 MPa 1 MPa -0.9 bar 10 bar  Piston gate valve Reset method  Pneumatic spring Certification  CUL us - Recognized (OL) Maritime classification  See certificate  Emarking (see declaration of conformity)  Maritime (see declaration of conformity)  Maritime (see declaration of conformity)  Maritime is suing authority  DINV-TAA000032X  UL MH19462  Degree of protection  P65 With plug socket as per IEC 60529  Nominal width  11 mm  Sealing principle  Soft Mounting position  Manual override  Detenting via accessory Non-detenting Vipe of control  Pilot-controlled  External  Siew direction  Non-reversible  Symbol  Oo991402  Valve position ID  Label holder  Overlap  Oilot pressure MPa  Pilot pressure  2.5 bar 10 bar  Switching time off  Som Souty cycle  Domes  Output cycle  Overlap  Output cycle  Domes  Dome	Pneumatic working port	QS-10
Operating pressure -0.9 bar 10 bar Structural design Piston gate valve Reset method Pneumatic spring Certification c UL us - Recognized (OL) Maritime classification See certificate EE marking (see declaration of conformity) As per EU low voltage directive DIKCA marking (see declaration of conformity) DIV-TAA000032X UL MH19482 Degree of protection Degree of protection Degree of protection Divident of the same of the sam	Operating voltage	110V AC
Structural design Piston gate valve  Reset method Pneumatic spring  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 DNY-TAA000032X  UL MH19482  Degree of protection IP65  With plug socket as per IEC 60529  Nominal width 11 mm  Sealing principle Soft  Mounting position Any  Manual override Determing via accessory  Non-detenting  Fipe of control Pilot-controlled  Pilot air supply port External  Flow direction Non-reversible  Symbol 00991402  Valve position ID Label holder  Department of Develop  Pilot pressure MPa  Overlap  Pilot pressure MPa  Out yoyle  Down witching time  So ms  Down witching time  Down witching time  Down witching time  So ms  Duty cycle  DIANY TAA000032X  UL MH19482  DIANY TAA000032X  UL MH19482  DOWN TAA000032X  UL MH19482  DOWN TAA000032X  UL MH19482  DOWN TAA000032X  UL MH19482  Pilot pressure Soft Any  Down Taa00032X  DOWN TAA000032X  UL MH19482  Pilot pressure Soft Any  Down Taa00032X  DOWN TAA000032X  DOWN TAA000032X  DOWN TAA000032X  UL MH19482  DOWN TAA0000032X  UL MH19482  DOWN TAA0000032X  UL MH19482  DOWN TAA00000032X  UL MH19482  DOWN TAA00000000000000000000000000000000000	Operating pressure	-0.09 MPa 1 MPa
Reset method Pneumatic spring Certification c UL us - Recognized (OL) Maritime classification See certificate  Et marking (see declaration of conformity) As per EU low voltage directive  JKCA marking (see declaration of conformity) To UK instructions for electrical equipment  DIV-TAA000032X UL MH19482  Degree of protection IP65 With plug socket as per IEC 60529  Nominal width 11 mm Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Pilot-controlled Pilot air supply port External Flow direction Non-reversible Symbol O0991402 Valve position ID Label holder Delto pressure Despite of position Despite on Develap Pilot pressure Despite of SPA 1 MPa Despite of SPA	Operating pressure	-0.9 bar 10 bar
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  P65 With plug socket as per IEC 60529  Nominal width  11 mm  Sealing principle  Soft  Mounting position  Any  Manual override  Detenting via accessory Non-detenting  Fype of control  Pilot-controlled  Pilot-controlled  Pilot air supply port  External  Flow direction  Non-reversible  Symbol  00991402  Alabe position ID  Label holder  Lap  Pilot pressure MPa  O.25 MPa 1 MPa  Pilot pressure  2.5 bar 10 bar  Switching time  Down witching time  Do	Structural design	Piston gate valve
Maritime classification  E marking (see declaration of conformity)  As per EU low voltage directive  To UK instructions for electrical equipment  DNV-TAAO00032X UL MH19482  Degree of protection  Degree of protection  P65 With plug socket as per IEC 60529  Nominal width  In mm  Sealing principle  Mounting position  Manual override  Detenting via accessory Non-detenting  Filot-controlled  Pilot air supply port  External  How direction  Non-reversible  Symbol  O0991402  Valve position ID  Label holder  Jap Pilot pressure MPa  O25 MPa 1 MPa  Pilot pressure  2.5 bar 10 bar  Switching time  Do my voltage directive  To UK instructions for electrical equipment  DNV-TAA000032X  UL MH19482  P65  With plug socket  as per IEC 60529  Non-detenting  Pilot-controlled  Pilot-controlled  External  Non-reversible  O0991402  Valve position ID  Label holder  Overlap  O25 MPa 1 MPa  Pilot pressure  2.5 bar 10 bar  Switching time off  On switching time  Down	Reset method	Pneumatic spring
Emarking (see declaration of conformity)  As per EU low voltage directive  To UK instructions for electrical equipment  DNV-TAA000032X UL MH19482  Degree of protection  Plots With plug socket as per IEC 60529  Nominal width  11 mm  Sealing principle  Soft  Mounting position  Any  Manual override  Detenting via accessory Non-detenting  Pilot-controlled  Pilot air supply port  External  Flow direction  Non-reversible  Symbol  Jave position ID  Jape  Politot pressure MPa  Politot pressure  2.5 bar 1 0 bar  Switching time  Duty cycle  Dave red accessory  Overlap  Overlap  Dous witching time  Dous witching time  Dous not in the work and the selection of the control of the c	Certification	c UL us - Recognized (OL)
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DNV-TAA000032X UL MH19482 Degree of protection  IP65 With plug socket as per IEC 60529 Nominal width  11 mm Sealing principle Soft Mounting position  Manual override Detenting via accessory Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Non-reversible Symbol O0991402 Valve position ID Label holder Deltot pressure MPa Pilot pressure Detenting via accessory Non-detenting Overlap Description	CE marking (see declaration of conformity)	As per EU low voltage directive
Degree of protection  Plot with plug socket as per IEC 60529  Nominal width  11 mm  Sealing principle  Mounting position  Any  Manual override  Detenting via accessory Non-detenting  Pilot-controlled  Pilot air supply port  External  Flow direction  Non-reversible  Symbol  Any  Valve position ID  Label holder  Lap  Pilot pressure MPa  Pilot pressure  2.5 bar 1 MPa  Pilot pressure  Switching time off  Day  Description  Descript	UKCA marking (see declaration of conformity)	To UK instructions for electrical equipment
With plug socket as per IEC 60529  Nominal width  11 mm  Sealing principle Soft  Mounting position Any  Manual override Detenting via accessory Non-detenting If ype of control Pilot controlled Pilot air supply port External Flow direction Non-reversible Symbol Outprict App Overlap Diot pressure MPa Diot pressure MPa Diot pressure Switching time off Diox switching time Douty cycle  With plug socket as per IEC 60529  Non  Detenting via accessory Non-detenting Non-reversible Detenting via accessory Non-detenting Non-detenting Non-detenting Non-detenting Non-detenting Value Detenting via accessory Non-detenting via	Certificate issuing authority	
Sealing principle Mounting position Any Manual override Detenting via accessory Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Non-reversible Symbol Overlap Pilot pressure Dity person overlap Pilot pressure Switching time off 33 ms On switching time Duty cycle  Any Detenting via accessory Non-detenting Pilot-controlled External Detenting via accessory Non-detenting via acce	Degree of protection	With plug socket
Mounting position  Manual override  Detenting via accessory Non-detenting  Flot-controlled  Pilot-controlled  External  Flow direction  Non-reversible  Symbol  Valve position ID  Label holder  Detenting via accessory Non-detenting  Non-reversible  Overlap  Pilot air supply port  External  Overlap  Overlap  Pilot pressure MPa  O.25 MPa 1 MPa  Pilot pressure  2.5 bar 10 bar  Switching time off  On switching time  50 ms  Duty cycle  100%	Nominal width	11 mm
Manual override  Detenting via accessory Non-detenting  Pilot-controlled  Pilot air supply port  External  Flow direction  Non-reversible  Symbol  O0991402  Valve position ID  Label holder  Lape  Overlap  Pilot pressure MPa  O1.25 MPa 1 MPa  Pilot pressure  2.5 bar 10 bar  Switching time off  On switching time  50 ms  Duty cycle  Detenting via accessory Non-detenting  Pilot-controlled  Pilot preventle  Pilot	Sealing principle	Soft
Non-detenting  Type of control Pilot air supply port External Flow direction Non-reversible Symbol O0991402 Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure Switching time off On switching time Outy cycle Indicate the switch of the switch o	Mounting position	Any
External Flow direction Non-reversible Symbol O0991402 Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure Switching time off On switching time Outy cycle External Ext	Manual override	
Non-reversible Symbol O0991402 Valve position ID Label holder Lap Overlap Pilot pressure MPa O.25 MPa 1 MPa Pilot pressure Switching time off 33 ms On switching time 50 ms Outy cycle Non-reversible Non-reversible Overlap Overlap Overlap Overlap Ozerlap Ozerl	Type of control	Pilot-controlled
Symbol 00991402 Valve position ID Label holder Lap Overlap Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure Switching time off 33 ms On switching time 50 ms Outy cycle 100%	Pilot air supply port	External
Valve position ID  Label holder  Overlap  Pilot pressure MPa  Pilot pressure  2.5 bar 1 MPa  Switching time off  33 ms  On switching time  50 ms  Duty cycle  100%	Flow direction	Non-reversible
Overlap Pilot pressure MPa  0.25 MPa 1 MPa Pilot pressure 2.5 bar 10 bar  Switching time off 33 ms On switching time 50 ms Outy cycle 100%	Symbol	00991402
Dilot pressure MPa 0.25 MPa 1 MPa 2.5 bar 10 bar 33 ms 3 ms 50n switching time off 50 ms	Valve position ID	Label holder
Pilot pressure 2.5 bar 10 bar Switching time off 33 ms On switching time 50 ms Outy cycle 100%	Lap	Overlap
Switching time off 33 ms On switching time 50 ms Outy cycle 100%	Pilot pressure MPa	0.25 MPa 1 MPa
On switching time 50 ms Outy cycle 100%	Pilot pressure	2.5 bar 10 bar
Duty cycle 100%	Switching time off	33 ms
···	On switching time	50 ms
Max. positive test pulse with 0 signal 3300 μs	Duty cycle	100%
	Max. positive test pulse with 0 signal	3300 µs

Feature	Value
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 %
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
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 ℃ 50 ℃
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 ℃ 50 ℃
Electrical connection	Form C
Type of mounting	With through-hole
Pilot exhaust air port 82	M5
Pilot air port 12	M5
Pneumatic connection 1	QS-10
Pneumatic connection 2	QS-10
Pneumatic connection 3	G3/8
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum