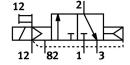
## Air solenoid valve CPE24-M2H-3GLS-QS-10 Part number: 163821







## **Data sheet**

General operating condition

Actuation type   Electrical   Width   24 mm   Standard nominal flow rate   1250 l/min   Pneumatic working port   QS-10   Operating voltage   110V AC   Operating pressure   -0.09 MPa 1 MPa   Operating pressure   -0.99 bar 10 bar   Structural design   Piston gate valve   Reset method   Pneumatic spring   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   DNN-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 controlled   Pilot controlled   Pilot controlled   Pilot controlled   Pilot air supply port   External   Flow direction   Non-reversible   Symbol   00991405   Valve position ID   Label holder   Lap   Overlap   Pilot pressure   2.5 bar 10 bar   Switching time   50 ms   Duty cycle   100%	Feature	Value
Width 24 mm  Standard nominal flow rate 1250 l/min  Pneumatic working port QS-10  Operating voltage 110V 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)  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 UNH19482  Degree of protection Piessure Piess	Valve function	3/2, closed, monostable
Standard nominal flow rate 1250 l/min Pneumatic working port QS-10 Operating yoltage 110V AC Operating pressure -0.09 MPa 1 MPa Operating pressure  -0.99 bar 10 bar Structural design Piston gate valve Reset method  -0.09 MPa 1 MPa Operating the standard pressure  -0.99 bar 10 bar Structural design  -0.09 MPa 1 MPa Operating pressure  -0.99 bar 10 bar Structural design  -0.09 MPa 1 MPa Operating pressure  -0.99 bar 10 bar Structural design  -0.09 MPa 1 MPa Operating pressure  -0.99 bar 10 bar Structural design  -0.09 MPa 1 MPa Operating pressure  -0.99 bar 10 bar Structural design  -0.09 MPa 1 MPa Operating pressure  -0.99 bar 10 bar Structural design  -0.09 MPa 1 MPa Operating pressure  -0.99 bar 1 Dar Operating pressure  -0.99 bar 1 MPa Pilot pressure MPa Operating position  -0.09 MPa 1 MPa Operating pressure  -0.99 MPa 1 MPa Operating principle  -0.25 MPa 1 MPa Operating pressure  -0.99 MPa 1 MPa Operating principle  -0.25 MPa 1 MPa Pilot pressure MPa Operating principle  -0.25 MPa 1 MPa Operat	Actuation type	Electrical
Pneumatic working port Operating voltage 110V AC Operating pressure -0.09 MPa 1 MPa Operating pressure -0.9 bar 10 bar Structural design Piston gate valve Reset method Pneumatic spring Certification Cult. us - Recognized (OL) Maritime classification See certificate CE marking (see declaration of conformity) Maritime classification 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 Type of control Pilot arisupply port External Flow direction Non-reversible Symbol Valve position ID Label holder Lap Dict pressure MPa Pilot pressure MPa Put plus position of So ms Duty cycle Doms Posms P	Width	24 mm
Operating voltage 110V AC Operating pressure -0.09 MPa 1 MPa Operating pressure -0.99 bar 10 bar Structural design Piston gate valve Reset method Pneumatic spring 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 UNY-TAA000032X UL MH19482 Degree of protection Pie5 With plug socket as per IEC 60529 Nominal width 11 mm Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Type of control Pilot-controlled Pilot-controlled Pilot air supply port External Flow direction Non-reversible Symbol 00991405 Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure MPa Pilot pressure MPa Pilot pressure MPa Duty cycle 100%	Standard nominal flow rate	1250 l/min
Operating pressure Piston gate valve Reset method Pneumatic spring 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 ULM H19482 Degree of protection IP65 With plug socket as per IEC 60529 Nominal width II mm Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Type of control Pilot air supply port External Flow direction Non-reversible Symbol O0991405 Valve position ID Label holder Lap Overlap Pilot pressure MPa O.25 MPa 1 MPa Duty cycle Duty cycle 100%	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  CE marking (see declaration of conformity)  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  Type of control  Pilot-controlled  Pilot air supply port  External  Flow direction  Non-reversible  Symbol  Valve position ID  Label holder  Lap  Overlap  Pilot pressure  2.5 bar 10 bar  Switching time  50 ms  Duty cycle  100%	Operating voltage	110V AC
Structural design Piston gate valve  Reset method Pneumatic spring  Certification c U. U. s - 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 Piscon Pisc	Operating pressure	-0.09 MPa 1 MPa
Reset method  Certification  Cult us - Recognized (OL)  Maritime classification  See certificate  CE marking (see declaration of conformity)  May 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  Sealing principle  Soft  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  O0991405  Valve position ID  Label holder  Lap  Overlap  Pilot pressure  2.5 bar 1 MPa  Pilot pressure  2.5 bar 1 0 bar  Switching time  Fo ms  So ms  Duty cycle  100%	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	Structural design	Piston gate valve
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  Detrificate issuing authority  DNY-TAA000032X  UL MH19482  Degree of protection  P65 With plug socket as per IEC 60529  Nominal width  11 mm  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  Oo991405  Valve position ID  Label holder  Lap  Pilot pressure MPa  Pilot pressure  2.5 bar 1 0 bar  Switching time  Do ms witching time  50 ms  Duty cycle  100%	Reset method	Pneumatic spring
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  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  Type of control  Pilot air supply port  External  Flow direction  Non-reversible  Symbol  Valve position ID  Label holder  Lap  Overlap  Pilot pressure  2.5 bar 1 MPa  Pilot pressure  Switching time off  On switching time  Duty cycle  As per EU low voltage directive  To UK instructions for electrical equipment  To UK instructions for electrical equipment  To UK instructions for electrical equipment  To UK instructions of electrical equipment  To UK instructions of electrical equipment  To UK instructions oscillated  With plug socket as per IEC 60529  Non-TAA000032X UL MH19482  Degree of Protection as per IEC 60529  Nominal vide in protection as per IEC 60529  Detenting via accessory Non-detenting	Certification	c UL us - Recognized (OL)
UKCA marking (see declaration of conformity)  Certificate issuing authority  DNV-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  Type of control  Pilot air supply port  External  Flow direction  Non-reversible  Symbol  Valve position ID  Label holder  Lap  Overlap  Pilot pressure MPa  Pilot pressure  2.5 bar 1 0 bar  Switching time  50 ms  Duty cycle  100%	Maritime classification	See certificate
Certificate issuing authority  DNV-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  Type of control Pilot-controlled Pilot air supply port External Flow direction Non-reversible Symbol Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure MPa Pilot pressure Switching time On switching time Duty cycle  DNV-TAA000032X UL MH19482  DNV-TAA000032X UL MH19482  DAVI AD000032  Neth H19482  DAVI AD000032  Neth H19482  DNV-TAA000032X UL MH19482  Detenting via sccessory Non-detenting  Detenting via accessory Non-detenting  Detenting via acce	CE marking (see declaration of conformity)	As per EU low voltage directive
Degree of protection    P65	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 Type of control Pilot-controlled  Pilot air supply port External Flow direction Non-reversible Symbol 00991405  Valve position ID Label holder  Lap Overlap Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure MPa 0.5 MPa 1 MPa Switching time off 33 ms On switching time Duty cycle 100%	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  O0991405  Valve position ID  Label holder  Lap  Overlap  Pilot pressure MPa  Pilot pressure  Switching time off  On switching time  Duty cycle  Soft  Any  Detenting via accessory Non-detenting  Pilot-controlled  External  Laternal  Overeversible  Overversible  Overlap  Overlap  Overlap  Overlap  1.5 bar 10 bar  33 ms  On switching time  50 ms  Duty cycle	Degree of protection	With plug socket
Mounting position  Manual override  Detenting via accessory Non-detenting  Type of control  Pilot-controlled  External  Flow direction  Non-reversible  Symbol  Valve position ID  Label holder  Lap  Overlap  Pilot pressure MPa  Pilot pressure  2.5 bar 10 bar  Switching time off  On switching time  Duty cycle  Potenting via accessory Non-detenting  Detenting via accessory Non-detenting  External  Latel holder  Overlap  0.25 MPa 1 MPa  33 ms  50 ms  Duty cycle	Nominal width	11 mm
Manual override  Detenting via accessory Non-detenting  Type of control  Pilot-controlled  Pilot air supply port  External  Flow direction  Non-reversible  Symbol  O0991405  Valve position ID  Label holder  Lap  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%	Sealing principle	Soft
Non-detenting Type of control Pilot air supply port External Flow direction Non-reversible Symbol O0991405 Valve position ID Label holder Lap Overlap Pilot pressure MPa O.25 MPa 1 MPa Pilot pressure Switching time off On switching time Duty cycle Non-detenting Non-reversible No	Mounting position	Any
Pilot air supply port  Flow direction  Non-reversible  Symbol  O0991405  Valve position ID  Label holder  Lap  Overlap  Pilot pressure MPa  Pilot pressure  2.5 bar 10 bar  Switching time off  33 ms  On switching time  Duty cycle  External  Non-reversible  O0991405  Label holder  2.5 bar 1 MPa  2.5 bar 1 D bar  33 ms	Manual override	
Flow direction Non-reversible  Symbol 00991405  Valve position ID Label holder  Lap Overlap  Pilot pressure MPa 0.25 MPa 1 MPa  Pilot pressure  2.5 bar 10 bar  Switching time off 33 ms  On switching time  Duty cycle 100%	Type of control	Pilot-controlled
Symbol 00991405  Valve position ID Label holder  Lap Overlap  Pilot pressure MPa 0.25 MPa 1 MPa  Pilot pressure 2.5 bar 10 bar  Switching time off 33 ms  On switching time  Duty cycle 100%	Pilot air supply port	External
Valve position ID  Label holder  Overlap  Pilot pressure MPa  Pilot pressure  2.5 bar 1 MPa  2.5 bar 10 bar  Switching time off  33 ms  On switching time  50 ms  Duty cycle  100%	Flow direction	Non-reversible
Duty cycle  Overlap  Overlap  Overlap  O.25 MPa 1 MPa  2.5 bar 10 bar  33 ms  50 ms  Duty cycle  Overlap  Ozerlap  Ozerla	Symbol	00991405
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  Duty cycle  100%	Valve position ID	Label holder
Pilot pressure 2.5 bar 10 bar  Switching time off 33 ms  On switching time 50 ms  Duty cycle 100%	Lap	Overlap
Switching time off 33 ms On switching time 50 ms Duty cycle 100%	Pilot pressure MPa	0.25 MPa 1 MPa
On switching time 50 ms Duty 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