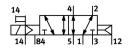
## Air solenoid valve CPE18-M2H-5LS-QS-8 Part number: 163774







General operating condition

## **Data sheet**

Retuation type  Flectrical  Midth  18 mm  Standard nominal flow rate  850 l/min  Peneumatic working port  OS-8  Operating woltage  110V AC  Operating pressure  Operating pressure  Operating pressure  Operating of the standard design  Piston gate valve  Reset method  Peneumatic spring  Certification  Cult us - Recognized (OL)  Maritime classification  Cettarking (see declaration of conformity)  JKCA marking (see declaration of conformity)  To UK instructions for electrical equipment  Certificate issuing authority  DNV-TAA000032X  UI Mi119482  Degree of protection  Person  Pers	Feature	Value
Avidith 18 mm  Standard nominal flow rate 850 l/min  Poerating vorking port QS-8  Operating voltage 110V AC  Operating pressure -0.09 MPa 1 MPa  Operating pressure 9.9 bar 1 O bar  Structural design Piston gate valve  Reset method Pneumatic spring  Certification CU us - Recognized (OL)  Maritime classification See certificate  Emarking (see declaration of conformity) As per EU low voltage directive  LEC marking (see declaration of conformity) To LK instructions for electrical equipment  Certificate issuing authority UI MH19/482  Degree of protection Ploss  Operating voltage Protection With flow control option  Sealing principle Soft  Wounting position Any  Manual override Deterting  Floys of control Pilot control  Pilot control  Pilot control  Pilot control  Pilot control  Any  Average Protection Reversible  Symbol Oo991026  Alva position ID Label holder  Jap Overlap  Pilot pressure MPa  O 25 MPa 1 MPa  20 ms  Down witching time off  Do switching time off  Do special proversible  Dout yetcle  Do special position of proversible  Dout yetcle  Do special position of proversible  Dout yetcle  Do special position of proversible  Do switching time off  Do switching time off  Do switching time off  Do special position of proversible  Dout yetcle  Do special position of proversible  Do special position of proversible  Dout yetcle  Do special position of proversible  Do special pos	Valve function	5/2, monostable
Standard nominal flow rate Peneumatic working port QS-8  Decrating pressure -0.09 MPa 1 MPa -0.9 bar 1 0 bar  Structural design Piston gate valve Peneumatic spring Certification Certification CE marking (see declaration of conformity) Certificate issuing authority Certificate issuing prescripe Certificate issuing authority Certificate Cer	Actuation type	Electrical
Operating voltage 110 V AC   Operating pressure -0.09 MPa 1 MPa   Operating pressure -0.99 MPa 1 Dear   Operating pressure -0.99 MPa 1 MPa   Operating pressure MPa   Operating pressure -0.99 MPa 1 MPa   Operating pressure MPa   Operating pressure -0.99 MPa 1 MPa   Operating princip time -0.99 MPa 1 MPa   Operating pressure -0.99 MPa 1 MPa   Operating princip time -0.99 MPa 1 MPa   Operating time -0.99 MPa 1 MPa   Ope	Width	18 mm
Deperating voltage  Deperating pressure  Operating Sea declaration  Operating Sea declaration  Operating Sea declaration of conformity)  Operating Sea declaration of conformity  Operating Sea declaration of conformity  Operation Sea declaration Sea declaration of culture sea declaration of	Standard nominal flow rate	850 l/min
Departing pressure -0.09 MPa 1 MPa Departing pressure -0.9 bar 10 bar  Piston gate valve Piston gate valve Petentid design Piston gate valve Petentidication -CUL us - Recognized (OL) Maritime classification -CE marking (see declaration of conformity) -CE with plug socket as per IEC 60529 -CE with plug s	Pneumatic working port	QS-8
Operating pressure  -0.9 bar 10 bar  Structural design  Piston gate valve  Presumatic spring  Certification  cult. us - Recognized (OL)  Maritime classification  See certificate  Et marking (see declaration of conformity)  JKCA marking (see declaration of conformity)  JKCA marking (see declaration of conformity)  JKCA marking (see declaration of conformity)  To UK instructions for electrical equipment  Degree of protection  IF65 With plug socket as per IEC 60529  Nominal width  Smm  Exhaust air function  With flow control option  Sealing principle  Soft  Mounting position  Manual override  Detenting via accessory Non-detenting  Sype of control  Pilot-controlled  External  Flow direction  Reversible  Symbol  O0991026  Valve position ID  Label holder  Jeel bolder  Jeel bol	Operating voltage	110V AC
Extructural design Piston gate valve  Reset method Pneumatic spring  Certification c UL us - Recognized (OL)  Maritime classification See certificate  Externating (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 Piece of protection With plug socket as per IEC 60529  Nominal width Smm  Extraust air function Soft  Soft With flow control option  Sealing principle Soft  Mounting position Any  Manual override Detenting via accessory Non-detenting  Fupe of control Pilot-controlled  Pilot air supply port External  Clow direction Reversible  Symbol O0991026  Valve position ID Label holder  Overlap  Overlap  Overlap  Overlap  O125 MPa 1 MPa  Pilot pressure MPa  Pilot pressure  O25 MPa 1 MPa  Pilot pressure  Switching time off  O2 ms  On switching time  O2 6 ms  Outly cycle  Dout pressure  O2 6 ms  Outly cycle  OUtly cycle  OUTL US - Recognized (OL)  Sec certificate  Securiticate Spring  OUTL US - Recognized (OL)  Securiticate Spring  OUTL US - Recognized (OL)  OUTL US - Recognized (OL)  Securiticate  CUL US - Recognized (OL)  OUTL Securities  OUTL US - Recognized (OL)  Securities off  OUTL US - Recognized (OL)  CUL US - Recognized (OL)  CUL US - Recognized (OL)  Securiticate  CUL US - Recognized (OL)  Securities off  OUTL US - Recognized (OL)  CUL US - Recognized (OL)  Securities off  OUTL US - Recognized (OL)  CUL US - Recognized (OL)  CUL US - Recognized (OL)  Securities off  OUTL US - Recognized (OL)  CUL US - Recurities  OUTL US - Recuriti	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  UKCA 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 8 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Determing via accessory Non-detenting Flype of control Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol O0991026 Label holder Overlap Pilot pressure MPa Pilot pressure 1.5 by m. 1 MPa Pilot pressure 2.5 bar 1 0 bar Switching time Outy cycle Inow Diversible On switching time Outy cycle Inow Description Inow Description See EU ov voltage directive CUL us - Recognized (OL) Non-detenting CUL us - Recognized (OL) Non-detenting CUL us - Recognized (OL) Diversible D	Operating pressure	-0.9 bar 10 bar
Certification c UL us - Recognized (OL)  Maritime classification See certificate  Emarking (see declaration of conformity)  MSCA marking (see declaration of conformity)  DIV-TAA00032X UL MH19482  Degree of protection  IP65 With plug socket as per IEC 60529  Nominal width  Semantian function  With flow control option  Sealing principle  Mounting position  Manual override  Mounting position  Manual override  Pilot controlled  Pilot air supply port  External  Bow direction  Reversible  Symbol  Journal overlap  Jou	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-TAA000032X UL MH19482  Degree of protection  Degree of protection  Nominal width  S mm  Exhaust air function  Sealing principle  Mounting position  Manual override  Detenting via accessory Non-detenting  Pilot-controlled  Pilot-controlled  Pilot sir supply port  External  Elow direction  Reversible  Symbol  Andough Degree of protection  Degree of protection  Despitation ID  Label holder  Jape  Pilot pressure  Jess MPa  Josephan  Jos	Reset method	Pneumatic spring
Examing (see declaration of conformity)  As per EU low voltage directive  JKCA marking (see declaration of conformity)  To UK instructions for electrical equipment  DNV-TAA000032X UL MH19482  Degree of protection  DNV-TAA000032X With plug socket as per IEC 60529  Nominal width  Smm  Exhaust air function  With flow control option  Sealing principle  Soft  Mounting position  Any  Manual override  Detenting via accessory Non-detenting  Flot-controlled  Pilot-controlled  Pilot-co	Certification	c UL us - Recognized (OL)
DIKCA marking (see declaration of conformity)  DIV-TAA000032X UL MH19482  Degree of protection  Rew IP65 With plug socket as per IEC 60529  Nominal width  Rew IP60  Soft  Mounting position  Any  Wanual override  Detenting via accessory Non-detenting  Dive of control  Pilot-controlled  Pilot-controlled  Pilot air supply port  External  Clow direction  Reversible  Symbol  O0991026  Valve position ID  Label holder  Judy Position ID  Label holder  Judy Degree of MPa  Diversure  Di	Maritime classification	See certificate
Degree of protection P	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  Exhaust air function  With flow control option  Sealing principle  Mounting position  Any  Manual override  Detenting via accessory Non-detenting  Ippe of control  Pilot-controlled  Pilot air supply port  External  Flow direction  Reversible  Symbol  O0991026  Valve position ID  Label holder  Judy persorned  Detenting via accessory Non-detenting  Overlap  Pilot pressure MPa  O125 MPa 1 MPa  Pilot pressure  2.5 bar 10 bar  Switching time  On switching time  Do wy cycle  100%	UKCA marking (see declaration of conformity)	To UK instructions for electrical equipment
With plug socket as per IEC 60529  Nominal width  Rexhaust air function  With flow control option  Sealing principle  Soft  Mounting position  Any  Manual override  Pilot-controlled  Pilot air supply port  External  Flow direction  Reversible  Symbol  O0991026  Valve position ID  Label holder  Lape  Overlap  Pilot pressure MPa  O.25 MPa 1 MPa  Switching time off  On switching time  Outy cycle  100%	Certificate issuing authority	
Exhaust air function Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Flype of control Pilot-controlled External Flow direction Reversible Symbol Overlap Pilot pressure MPa Pilot pressure Distriction Overlap Pilot pressure Distriction Districti	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 External Flow direction Reversible Symbol Overlap Pilot pressure Overlap Pilot pressure 2.5 bar 10 bar Switching time off On switching time Duty cycle 100%	Nominal width	8 mm
Mounting position  Manual override  Detenting via accessory Non-detenting  Flore of control  Pilot-controlled  External  Flow direction  Reversible  Symbol  Op91026  Valve position ID  Label holder  Dielot pressure MPa  Pilot pressure  2.5 bar 1 MPa  Switching time off  20 ms  Duty cycle  100%	Exhaust air function	With flow control option
Manual override  Detenting via accessory Non-detenting  Pilot-controlled  Pilot air supply port External  Flow direction Reversible Symbol 00991026  Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure 2.5 bar 1 MPa Switching time off 20 ms Duty cycle 100%	Sealing principle	Soft
Non-detenting  Type of control Pilot-controlled Pilot-controlled Pilot-controlled External Flow direction Reversible Symbol 00991026 Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure 2.5 bar 1 MPa Switching time off 20 ms Duty cycle 100%	Mounting position	Any
External Flow direction Reversible Symbol O0991026 Valve position ID Label holder Overlap Pilot pressure MPa Pilot pressure Switching time off On switching time Outy cycle External Ex	Manual override	
Reversible  Symbol  O0991026  Valve position ID  Label holder  Overlap  Pilot pressure MPa  O.25 MPa 1 MPa  Pilot pressure  2.5 bar 10 bar  Switching time off  On switching time  26 ms  Outy cycle  100%	Type of control	Pilot-controlled
Symbol 00991026 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 20 ms On switching time 26 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  2.5 bar 10 bar  Switching time off  20 ms  On switching time  26 ms  Outy cycle  100%	Flow direction	Reversible
Overlap  Pilot pressure MPa  0.25 MPa 1 MPa  Pilot pressure  2.5 bar 10 bar  Switching time off  20 ms  On switching time  26 ms  Outy cycle  100%	Symbol	00991026
Pilot pressure MPa  0.25 MPa 1 MPa  2.5 bar 10 bar  20 ms  On switching time  26 ms  Duty cycle  100%	Valve position ID	Label holder
2.5 bar 10 bar  Switching time off 20 ms  On switching time 26 ms  Outy cycle 100%	Lap	Overlap
Switching time off 20 ms On switching time 26 ms Outy cycle 100%	Pilot pressure MPa	0.25 MPa 1 MPa
On switching time 26 ms Outy cycle 100%	Pilot pressure	2.5 bar 10 bar
Duty cycle 100%	Switching time off	20 ms
, ,	On switching time	26 ms
Max. positive test pulse with 0 signal 3300 us	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 °C 50 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
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-8
Pneumatic connection 2	QS-8
Pneumatic connection 3	G1/4
Pneumatic connection 4	QS-8
Pneumatic connection 5	G1/4
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum