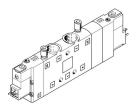
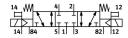
## Air solenoid valve CPE24-M2H-5/3GS-3/8 Part number: 170302







General operating condition

## **Data sheet**

Actuation type  Electrical  Width  24 mm  Standard nominal flow rate  3000 l/min  Pheumatic working port  Operating voltage  Diperating pressure  Operating pressure	Feature	Value
Avidith 24 mm  Standard nominal flow rate 3000 l/min  Peneumatic working port 63/8  Operating yolage 110V AC  Operating pressure -0.09 MPa 1 MPa  Operating pressure 9.9 bar 1 Obar  Structural design Piston gate valve  Reset method Mechanical spring  Certification CU us - Recognized (OL)  Maritime classification See certificate  EE marking (see declaration of conformity) To UK instructions for electrical equipment  Certificate issuing authority DINV-TAA000032X  UL MH19/462  Degree of protection Protection With flow control option  Sealing principle Soft  Mounting position Any  Mounting position Any  Mounting position Protection Reversible  Flow direction DL Label holder  Lap Overlap  Pilot pressure MPa  O 1.25 MPa 1 MPa  Dout cycle 100%	Valve function	5/3, closed
Standard nominal flow rate Pneumatic working port G3/8  Operating pressure Operating via accessory Operating O	Actuation type	Electrical
Peneumatic working port Departing voltage 110V AC Departing pressure -0.99 MPa 1 MPa Departing pressure -0.99 kar 1 Dear Structural design Piston gate valve Reset method Mechanical spring Certification Certification Certification See certificate CERTIFICATION	Width	24 mm
Deperating voltage Deperating pressure Operating Operatin	Standard nominal flow rate	3000 l/min
Operating pressure Operating Operating Operating pressure Operating O	Pneumatic working port	G3/8
Operating pressure  -0.9 bar 10 bar  Structural design  Piston gate valve  Mechanical spring  Certification  c UL us - Recognized (OL)  Maritime classification  See certificate  CE marking (see declaration of conformity)  UKCA marking (see declaration of conformity)  DIVECA marking (see declaration of conformity)  TO UK instructions for electrical equipment  Certificate issuing authority  UL MH19482  Degree of protection  Piec Swith plug socket as per IEC 60529  Nominal width  11 mm  Exhaust air function  With flow control option  Sealing principle  Soft  Mounting position  Manual override  Detenting via accessory  Non-detenting  Pilot controlled  Pilot air supply port  External  Flow direction  Reversible  Symbol  O0991020  Valve position ID  Label holder  Lap  Overlap  Pilot pressure MPa  Pilot pressure MPa  Pilot pressure  2.5 bar 10 bar  Switching time  55 ms  On switching time  25 ms  Duty cycle  Duty cycle  Dissignment of the survey was a care of the survey of the sur	Operating voltage	110V AC
Structural design Piston gate valve  Reset method Mechanical 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  DNV-TAA000032X  UL MH19482  Degree of protection Piece of protection With plug socket as per IEC 60529  Nominal width 11 mm  Exhaust air function Soft  Mounting position Any  Manual override Detenting via accessory Non-detenting  Pilot air supply port External  Flow direction Reversible  Symbol 00991020  Valve position ID Label holder  Use Manual overlap  Pilot pressure MPa  Pilot pressure MPa  Pilot pressure  2.5 bar 1 MPa  Pilot pressure  Symbol volume off  Symbol 0.25 MPa 1 MPa  Pilot pressure  2.5 bar 1 Dar  Switching time off  Symbol volve(ed)  Down witching time  Down	Operating pressure	-0.09 MPa 1 MPa
Reset method Mechanical spring Certification c UL us - Recognized (OL) Maritime classification See certificate  EE marking (see declaration of conformity) As per EU low voltage directive  UKCA marking (see declaration of conformity) To UK instructions for electrical equipment  DECERTIFICATE issuing authority DNV-TAA000032X UL MH19482  Degree of protection IP65 With plug socket as per IE G 60529  Nominal width 11 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 00991020  Valve position ID Label holder  Lap Overlap  Pilot pressure MPa  O 1.55 ms  On switching time 0ff  O 55 ms  Douty cycle  DOUT ASSOCIATION OF TOTAL ON	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  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  IP96 Centrolled  Pilot air supply port  External  Flow direction  Reversible  Symbol  O0991020  Valve position ID  Label holder  Lape  Overlap  Pilot pressure  Dougled  Soft MPa 1 MPa  Pilot pressure  Soft MPa 1 MPa  Dougled  Soft MPa 1 MPa  Soft MPa 1 MPa  Dougled	Structural design	Piston gate valve
Maritime classification  CE marking (see declaration of conformity)  As per EU low voltage directive  To UK instructions for electrical equipment  DIV. TAAO00032X UL MH19482  Degree of protection  Degree of protection  Nominal width  In m  Exhaust air function  Sealing principle  Mounting position  Manual override  Detenting via accessory Non-detenting  Type of control  Pilot-controlled  Pilot-controlled  Pilot supply port  External  Flow direction  Reversible  Symbol  Ooy91020  Valve position ID  Label holder  Lap  Pilot pressure MPa  Pilot pressure  2.5 bar 10 bar  Switching time  Dots witching time  Dots witching time  25 ms  Douty cycle  Dour Another Equipment  To UK instruction  See certificate  On With stow outgage directive  To UK instructions of electrical equipment  To UK instructions or electrical equipment  DNV-TAA000032X  UL MH19482  DNV-TAA000032X  UL MH19482  Divide instructions or electrical equipment  DNV-TAA000032X  UL MH19482  Descriptions or electrical equipment  DNV-TAA000032X  UL MH19482  Descriptions or electrical equipment  DNV-TAA000032X  UL MH19482  Descriptions or electrical equipment  DNV-TAA000032X  UL MH19482  DNV-TAA00032X  UL MH19482  DNV-TAA00032X  UL MH19482  DNV-TAA00032X  UL MH19482  Descriptions or electrical equipment  DPS	Reset method	Mechanical spring
EE marking (see declaration of conformity)  As per EU low voltage directive  DKCA marking (see declaration of conformity)  To UK instructions for electrical equipment  DNV-TAA000032X UL MH19482  Degree of protection  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-controlled  Pilot air supply port  External  Flow direction  Reversible  Symbol  O0991020  Valve position ID  Label holder  Lap  Pilot pressure MPa  O.25 MPa 1 MPa  Pilot pressure  2.5 bar 1 0 bar  Switching time off  Dos witching time  Dos Witching time off  Dos Witching time  Dos Witching time off  Dos Witching time  Dos Witching time off	Certification	c UL us - Recognized (OL)
DUKCA marking (see declaration of conformity)  Certificate issuing authority  DNV-TAA000032X UL MH19482  Degree of protection  Degree of protection  Diff of 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 air supply port  External  Flow direction  Reversible  Symbol  Outplot  Valve position ID  Label holder  Lap  Dito pressure MPa  Pilot pressure  2.5 bar 10 bar  Switching time off  Do switching time  Duty cycle  100%	Maritime classification	See certificate
Degree of protection Degree of Ecology Degree	CE marking (see declaration of conformity)	As per EU low voltage directive
Degree of protection  Nominal width  Exhaust air function  With flow control option  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  Oo991020  Valve position ID  Label holder  Lap  Overlap  Pilot pressure MPa  O.25 MPa 1 MPa  Pilot pressure  Switching time off  On switching time  Douty cycle  100%	UKCA marking (see declaration of conformity)	To UK instructions for electrical equipment
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  External  Flow direction  Reversible  Symbol  Outprojet  App  Overlap  Pilot pressure MPa  0.25 MPa 1 MPa  25 ms  Duty cycle  Duty cycle  100%	Certificate issuing authority	
Exhaust air function Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Type of control Pilot air supply port External Flow direction Reversible Symbol Overlap Pilot pressure MPa Pilot pressure Pilot pressure Switching time off On switching time Duty cycle  With flow control option With flow control option Soft Soft With flow control option Any With flow control option Soft Soft Soft Any With flow control option Any With flow control option Any  Detenting via accessory Non-detenting Pilot-controlled External External Overland	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 Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure Switching time off Do switching time Duty cycle 100%	Nominal width	11 mm
Mounting position  Manual override  Detenting via accessory Non-detenting  Type of control  Pilot-controlled  External  Flow direction  Reversible  Symbol  Valve position ID  Label holder  Lap  Overlap  Pilot pressure MPa  Pilot pressure  2.5 bar 1 MPa  Switching time off  55 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  Valve position ID  Label holder  Lap  Overlap  Pilot pressure MPa  Pilot pressure  2.5 bar 1 MPa  Switching time off  55 ms  Duty cycle  100%	Sealing principle	Soft
Non-detenting  Type of control Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol 00991020 Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure 2.5 bar 1 MPa Switching time off 55 ms Duty cycle 100%	Mounting position	Any
Pilot air supply port  Flow direction  Reversible  Symbol  Valve position ID  Label holder  Overlap  Pilot pressure MPa  Pilot pressure  Switching time off  On switching time  Duty cycle  External  Reversible  O0991020  Label holder  Overlap  Overlap  0.25 MPa 1 MPa  2.5 bar 10 bar  55 ms  Do switching time  100%	Manual override	
Reversible  Symbol  O0991020  Valve position ID  Label holder  Lap  Overlap  Pilot pressure MPa  Pilot pressure  2.5 bar 1 MPa  Switching time off  On switching time  25 ms  Duty cycle  Reversible  Reversible  O0991020  Label holder  Overlap  Overlap  Overlap  2.5 bar 1 MPa  2.5 bar 10 bar  55 ms  Duty cycle  100%	Type of control	Pilot-controlled
Symbol 00991020  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 55 ms  On switching time 25 ms  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  55 ms  On switching time  25 ms  Duty cycle  100%	Flow direction	Reversible
Overlap Pilot pressure MPa  0.25 MPa 1 MPa Pilot pressure 2.5 bar 10 bar Switching time off 55 ms On switching time 25 ms Duty cycle 100%	Symbol	00991020
Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure 2.5 bar 10 bar Switching time off 55 ms On switching time 25 ms Duty cycle 100%	Valve position ID	Label holder
Pilot pressure 2.5 bar 10 bar  Switching time off 55 ms  On switching time 25 ms  Duty cycle 100%	Lap	Overlap
Switching time off 55 ms On switching time 25 ms Duty cycle 100%	Pilot pressure MPa	0.25 MPa 1 MPa
On switching time 25 ms Duty cycle 100%	Pilot pressure	2.5 bar 10 bar
Duty cycle 100%	Switching time off	55 ms
, ,	On switching time	25 ms
Max nocitive tect pulse with 0 signal 3300 us	Duty cycle	100%
was, positive test pulse with a signal	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 ℃
Product weight	430 g
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	G3/8
Pneumatic connection 2	G3/8
Pneumatic connection 3	G3/8
Pneumatic connection 4	G3/8
Pneumatic connection 5	G3/8
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum