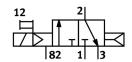
## Air solenoid valve CPE18-M3H-3GL-QS-8 Part number: 163793







General operating condition

Valve function Actuation type Electrical Width Is mm Standard nominal flow rate Pneumatic working port Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating operating Operating operating Operating operating Operating pressure Operating operation Operation Operating operation Oper	Feature	Value
Width 18 mm Standard nominal flow rate 850 l/min Preumatic working port QS-8 Operating voltage 320W AC Operating pressure 0.25 MPa 1 MPa Operating pressure 1.25 Mar 1 Mbar Structural design Preumatic spring Certification Preumatic spring Certification CUL us - Recognized (OU) Maritime classification See certificate CE marking (see declaration of conformity) As per EU low voltage directive UNCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection Protection Preumatic spring Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection Pr	Valve function	3/2, closed, monostable
Standard nominal flow rate	Actuation type	Electrical
Preumatic working port Operating voltage Operating voltage Operating pressure Operating pressure 2.5 bar 10 bar Structural design Piston gate valve Reset method Pneumatic spring Certification Certification Certification CE marking (see declaration of conformity) Nur.Anamono32X ULM19482 Degree of protection Ple5 With plug socket as sprinc of principle Nounting position Any Manual override Detenting principle Soft Non-detenting Pilot air supply port Internal Flow direction Non-reversible Symbol Valve position ID Label holder Lap Switching time off Out soft spulse with 0 signal Max. positive test pulse with 0 signal Max. positive test pulse with 0 signal Max. positive test pulse with 0 signal Max. negative test pulse with 5 signal Certificate issuinel power 2.4 VA Non-detentinic power 3.00 VA, holding power 2.4 VA	Width	18 mm
Operating voltage 0,25 MPa 1 MPa 0,25 MPa 0,25 MPa 1 MPa 0,25 M	Standard nominal flow rate	850 l/min
Operating pressure         0.25 MPa 1 MPa           Operating pressure         2.5 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         DNV-TAA000032X UL MH19482           Degree of protection         IP65 With plug socket as per IEC 60529           Nominal width         8 mm           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         00991655           Valve position ID         Label holder           Lap         Overlap           Switching time off         18 ms           On switching time         28 ms           Duty cycle         100% <td>Pneumatic working port</td> <td>QS-8</td>	Pneumatic working port	QS-8
Operating pressure  2.5 bar 10 bar  Structural design Reset method Pneumatic spring Certification Certification See certificate CE marking (see declaration of conformity) UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority UKCA marking (see declaration of conformity) Degree of protection Personal Per	Operating voltage	230V AC
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 UKCA marking (see declaration of conformity) To UK instructions for electrical equipment  Certificate issuing authority UKCA marking (see declaration of conformity) To UK instructions for electrical equipment  Certificate issuing authority UKCA marking (see declaration of conformity) UKCA marking (see declaration of conformity)  DNV-TAA000032X  UL MH19482  Degree of protection Pictor Soft  Soft  Mounting position Any  Manual override Soft  Mounting position Any  Manual override Detenting via accessory Non-detenting  Type of control Pilot-controlled  Internal  Flow direction Non-reversible  Symbol 00991655  Valve position ID Label holder  Lap Overlap  Switching time off Overlap  Switching time off 18 ms  On switching time off 18 ms  On switching time off 18 ms  On switching time off 100%  Max, positive test pulse with 0 signal 3300 µs  Max, negative test pulse with 0 signal 3100 µs  Coil characteristics 230 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA	Operating pressure	0.25 MPa 1 MPa
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       DNV-TAA000032X UL MH19482         Degree of protection       IP65 With plug socket as per IEC 60529         Nominal width       8 mm         Sealing principle       Soft         Mounting position       Any         Manual override       Detenting via accessory Non-detenting         Type of control       Pilot-controlled         Plot air supply port       Internal         Flow direction       Non-reversible         Symbol       00991655         Valve position ID       Label holder         Lap       Overlap         Switching time off       18 ms         On switching time       28 ms         Duty cycle       100%         Max, positive test pulse with 0 signal       3300 µs         Max, negative test pulse with 0 signal       3100 µs         Coil characteristics       230 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA    <	Operating pressure	2.5 bar 10 bar
Certification culture classification culture 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 UNV-TAA000032X UL MH19482  Degree of protection Personal Person	Structural design	Piston gate valve
Maritime classification  CE marking (see declaration of conformity)  May per EU low voltage directive  UKCA marking (see declaration of conformity)  To UK instructions for electrical equipment  Oertificate issuing authority  DNV-TAA000032X UL MH19482  Degree of protection  Ple5 With plug socket as per IEC 60529  Nominal width  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  Oo991655  Valve position ID  Label holder  Lap  Overlap  Switching time off  On switching time  Duty cycle  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  See certificate  No IN Surversion (Not Internal)  To UK instructions for electrical equipment  Non-Tea00032X  UL MH19482  UL MH19482  Un MH19482  Smm  Detenting via accessory Non-detenting  Pilot-controlled  Pilot-co	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         Certificate issuing authority       DNV-TAA000032X UL MH19482         Degree of protection       BNV-TAA000032X UL MH19482         Degree of protection       With plug socket as per IEC 60529         Nominal width       8 mm         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       00991655         Valve position ID       Label holder         Lap       Overlap         Switching time off       18 ms         On switching time       28 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	Certification	c UL us - Recognized (OL)
UKCA marking (see declaration of conformity)  Certificate issuing authority  DNV-TAA000032X UL MH19482  Degree of protection  Plo56 With plug socket as per IEC 60529  Nominal width  Sealing principle  Soft  Mounting position  Manual override  Detenting via accessory Non-detenting  Type of control  Pilot-controlled  Pilot-controlled  Pilot air supply port  Flow direction  Symbol  Valve position ID  Label holder  Lap  Overlap  Switching time off  On switching time  On switching time  Duty cycle  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coll characteristics  TO NON-TEVERIBLE DAY, initial power 3.0 VA, holding power 2.4 VA	Maritime classification	See certificate
Certificate issuing authority       DNV-TAA000032X UL MH19482         Degree of protection       IP65 With plug socket as per IEC 60529         Nominal width       8 mm         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       00991655         Valve position ID       Label holder         Lap       Overlap         Switching time off       18 ms         On switching time       28 ms         Duty cycle       100%         Max. positive test pulse with 0 signal       3300 μs         Max. negative test pulse on 1 signal       3100 μs         Coll characteristics       230 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA	CE marking (see declaration of conformity)	As per EU low voltage directive
Degree of protectionIP65 With plug socket as per IEC 60529Nominal width8 mmSealing principleSoftMounting positionAnyManual overrideDetenting via accessory Non-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleSymbol00991655Valve position IDLabel holderLapOverlapSwitching time off18 msOn switching time28 msDuty cycle100%Max. positive test pulse with 0 signal3300 μsMax. negative test pulse on 1 signal3100 μsColl characteristics230 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA	UKCA marking (see declaration of conformity)	To UK instructions for electrical equipment
Nominal width8 mmSealing principleSoftMounting positionAnyManual overrideDetenting via accessory Non-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleSymbol00991655Valve position IDLabel holderLapOverlapSwitching time off18 msOn switching time28 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 VA	Certificate issuing authority	
Sealing principle  Mounting position  Any  Manual override  Detenting via accessory Non-detenting  Type of control  Pilot air supply port  Internal  Flow direction  Non-reversible  Symbol  Oosp1655  Valve position ID  Lap  Overlap  Switching time off  On switching time  Duty cycle  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  Soft  Any  Detenting via accessory Non-detenting  Pilot-controlled  Pilot-controlled  Non-reversible  Son-reversible  Non-reversible  Sognal  S	Degree of protection	With plug socket
Mounting positionAnyManual overrideDetenting via accessory Non-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleSymbol00991655Valve position IDLabel holderLapOverlapSwitching time off18 msOn switching time28 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 VA	Nominal width	8 mm
Manual overrideDetenting via accessory Non-detentingType of controlPilot-controlledPilot air supply portInternalFlow directionNon-reversibleSymbol00991655Valve position IDLabel holderLapOverlapSwitching time off18 msOn switching time28 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 VA	Sealing principle	Soft
Type of controlNon-detentingPilot controlledPilot-controlledPilot air supply portInternalFlow directionNon-reversibleSymbol00991655Valve position IDLabel holderLapOverlapSwitching time off18 msOn switching time28 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 VA	Mounting position	Any
Pilot air supply port Internal Flow direction Non-reversible Symbol 00991655 Valve position ID Label holder Lap Overlap Switching time off 18 ms On switching time On switching time 28 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	Manual override	
Flow direction  Non-reversible  O0991655  Valve position ID  Label holder  Lap  Overlap  Switching time off  18 ms  On switching time  28 ms  Duty cycle  100%  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  Non-reversible  Non-revers	Type of control	Pilot-controlled
Symbol 00991655  Valve position ID Label holder  Lap Overlap  Switching time off 18 ms  On switching time 28 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	Pilot air supply port	Internal
Valve position ID  Label holder  Lap  Overlap  Switching time off  18 ms  On switching time  28 ms  Duty cycle  100%  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Signal  3100 µs  Coil characteristics  230 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA	Flow direction	Non-reversible
LapOverlapSwitching time off18 msOn switching time28 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 VA	Symbol	00991655
Switching time off 18 ms  On switching time 28 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	Valve position ID	Label holder
On switching time 28 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	Lap	Overlap
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 VA	Switching time off	18 ms
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Max. negative test pulse on 1 signal3100 μsCoil characteristics230 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA	Duty cycle	100%
Coil characteristics 230 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA	Max. positive test pulse with 0 signal	3300 μs
	Max. negative test pulse on 1 signal	3100 μs
Permissible voltage fluctuations -15 % / +10 %	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
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
Ambient temperature	-5 °C 50 °C
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-8
Pneumatic connection 2	QS-8
Pneumatic connection 3	G1/4
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum