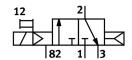
Air solenoid valve CPE18-M3H-3GL-1/4 Part number: 163785







Data sheet

General operating condition

Valve function Actuation type Electrical Width Standard nominal flow rate Pneumatic working port Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating operation Operating Oper	Feature	Value
Width 18 mm Standard nominal flow rate 1300 l/min Preumatic working port 61/4 61/4 61/4 61/4 61/4 61/4 61/4 61/4	Valve function	3/2, closed, monostable
Standard nominal flow rate 1300 l/min 61/4 Coperating port 61/4 230V AC Operating pressure 0.25 MPa 1 MPa Operating pressure 2.5 bar 10 bar Structural design Pressure 12.5 bar 10 bar Pressure 12.5 bar 10 bar Structural design Pressure 12.5 bar 10 bar bar .	Actuation type	Electrical
Pneumatic working port Operating voltage 230V AC Operating pressure 0.25 bar 10 bar Structural design Piston gate valve Reset method Pneumatic spring Certification Certification 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) DNV-TAA000032X UL MH19482 Degree of protection Ple5 With plug socket as sper IEC 60529 Nominal width Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Pilot air supply port Internal Flow direction Non-reversible Symbol Valve position ID Label holder Lap Switching time off 18 ms On switching time Duty cycle Max. positive test pulse with 0 signal Max. positive test pulse with 0 signal Max. negative test pulse with 5 government Structural design ever 2.4 VA Please of Execution of Conformity Deversible Sould Conformity Daverson Conformity Daverson Conformity Daverson Conformity Div Scotland Daverson Conformity Daverson Confo	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	1300 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>G1/4</td>	Pneumatic working port	G1/4
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
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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
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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
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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
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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
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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
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	On switching time	28 ms
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
Product weight	150 g
Electrical connection	Form C
Type of mounting	With through-hole
Pilot exhaust air port 82	M5
Pilot air port 12	M5
Pneumatic connection 1	G1/4
Pneumatic connection 2	G1⁄4
Pneumatic connection 3	G1/4
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum