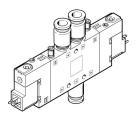
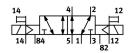
Air solenoid valve CPE18-M3H-5JS-QS-10 Part number: 163807







General operating condition

Data sheet

Actuation type Electrical Width 18 mm Standard nominal flow rate 1000 l/min Pheumatic working port Operating voltage Operating pressure Operating voltage Operating vo	Feature	Value
Width 18 mm Standard nominal flow rate 1000 l/min Peneumatic working port QS 10 Operating yoltage 230 W C Operating pressure 0.09 MPa 1 MPa Operating pressure 9.99 MPa 1 MPa Operating of the Cartification Plotting pressure 10.99 me 1 MPa Operating of the Cartification CLU 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 P65 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 Determine Pilot controlled Pilot or control Pilot of control Pilot air supply port External Flow direction Reversible Symbol 00991016 Valve position ID Label holder Lap Overlap Pilot pressure MPa 0.2 MPa 1 MPa Pilot pressure MPa 0.2 MPa 1 MPa Pilot pressure MPa 0.2 MPa 1 MPa Max. positive test pulse with 0 signal 3300 µs Max. negative test pulse with 0 signal 3100 µs	Valve function	5/2, bistable
Standard nominal flow rate 1000 l/min Pneumatic working port QS-10 Operating pressure 200 WPa 1 MPa Operating pressure -0.09 MPa 1 MPa Operating pressure -0.99 bar 10 bar Structural design Piston gate valve 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 UN MP482 UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority UN MP482 Degree of protection Pie65 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 Detenting via accessory Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol 00991016 Valve position ID Label holder Lap 00verlap Pilot pressure MPa 0.2 MPa 1 MPa Pilot pressure Unity volve Lest pulse with 0 signal 3300 µs Max. negative test pulse with 0 signal 3100 µs	Actuation type	Electrical
Preumatic working port Operating voltage 230 V AC Operating pressure -0.09 MPa 1 MPa Operating pressure -0.9 bar 10 bar Structural design Piston gate valve Certification Cult us - Recognized (0t) 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 Pie55 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 Detenting via accessory Non-detenting Pilot air supply port External Flow direction Reversible Symbol O0991016 Label holder Lap Pilot pressure MPa O.2 MPa 1 MPa Pilot pressure Use yold Max. positive test pulse with 0 signal Max. negative test pulse with 0 signal Max. negative test pulse on 1 signal	Width	18 mm
Operating voltage 230V AC Operating pressure -0.09 MPa 1 MPa Operating pressure -0.99 bar 10 bar Structural design Piston gate valve Certification c UL 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 DNV-TAA000032X UL MH19482 Degree of protection Pies Exhaust air function With plug socket as per IEC 60529 Nominal width Sem Soft Mounting position Any Manual override Soft Mounting position Any Manual override Determine With flow control option Filot air supply port External Flow direction Reversible Overlap Pilot air supply port External Flow direction Reversible Overlap Pilot pressure MPa Overlap Pilot pressure Day Overlap Pilot pressure Day Overlap Pilot pressure Day Overlap Down Overlop Duty cycle Day Max. negative test pulse with 0 signal Day Max. negative test pulse with 0 signal Day Max. negative test pulse with 0 signal Day Degree of prote test pulse with 0 signal Day Degree of prote test pulse with 0 signal Doys Day Degree of protection Signal Doys Degree of Day Day Degree of protection on Degree of Day Day	Standard nominal flow rate	1000 l/min
Operating pressure Operating operation Operating Operating pressure Operating pressure Operating Operation Op	Pneumatic working port	QS-10
Operating pressure Operating pressure Operating pressure Structural design Piston gate valve Certification Cut us - Recognized (Ot) Maritime classification See certificate CET 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 Pie65 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 Detenting via accessory Nom-detenting Type of control Pilot-controlled Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol Valve position ID Label holder Lap Overlap Pilot pressure Deta June Dave Da	Operating voltage	230V AC
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DNV-TAA000032X UL MH19482 Degree of protection P65 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 Detenting via accessory Non-detenting Type of control Pilot controlled Pilot air supply port External Flow direction Reversible Symbol O0991016 Valve position ID Label holder Lap Overlap Pilot pressure MPa O1.2 MPa 1 MPa Pilot pressure Daty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal DNV-TAA000032X UL MH19482 DNV-TAA000032X UL MH19482 Deventing via Server With flow control option With flow control option Sealing principle Soft With plug socket as per IEC 60529 Nominal Pilot Server Soft With plug socket as per IEC 60529 With plug socket as per IE	CE marking (see declaration of conformity)	As per EU low voltage directive
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Mounting positionAnyManual overrideDetenting via accessory Non-detentingType of controlPilot-controlledPilot air supply portExternalFlow directionReversibleSymbol00991016Valve position IDLabel holderLapOverlapPilot pressure MPa0.2 MPa 1 MPaPilot pressure2 bar 10 barChangeover time13 msDuty cycle100%Max. positive test pulse with 0 signal3300 μsMax. negative test pulse on 1 signal3100 μs	Exhaust air function	With flow control option
Manual overrideDetenting via accessory Non-detentingType of controlPilot-controlledPilot air supply portExternalFlow directionReversibleSymbol00991016Valve position IDLabel holderLapOverlapPilot pressure MPa0.2 MPa 1 MPaPilot pressure2 bar 10 barChangeover time13 msDuty cycle100%Max. positive test pulse with 0 signal3300 μsMax. negative test pulse on 1 signal3100 μs	Sealing principle	Soft
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Flow direction Reversible Symbol 00991016 Valve position ID Label holder Lap Overlap Pilot pressure MPa 0.2 MPa 1 MPa Pilot pressure 2 bar 10 bar Changeover time 13 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal 3100 µs	Type of control	Pilot-controlled
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Valve position ID Label holder Overlap Pilot pressure MPa Pilot pressure 2 bar 10 bar Changeover time 13 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal 3100 µs	Flow direction	Reversible
Dilot pressure MPa Pilot pressure MPa 0.2 MPa 1 MPa Pilot pressure 2 bar 10 bar Changeover time 13 ms Duty cycle 100% Max. positive test pulse with 0 signal 3300 µs Max. negative test pulse on 1 signal 3100 µs	Symbol	00991016
Pilot pressure MPa 0.2 MPa 1 MPa 2 bar 10 bar Changeover time 13 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal 3100 µs	Valve position ID	Label holder
Pilot pressure 2 bar 10 bar Changeover time 13 ms Duty cycle 100% Max. positive test pulse with 0 signal 3300 µs Max. negative test pulse on 1 signal 3100 µs	Lap	Overlap
Changeover time 13 ms Duty cycle 100% Max. positive test pulse with 0 signal 3300 µs Max. negative test pulse on 1 signal 3100 µs	Pilot pressure MPa	0.2 MPa 1 MPa
Duty cycle 100% Max. positive test pulse with 0 signal 3300 µs Max. negative test pulse on 1 signal 3100 µs	Pilot pressure	2 bar 10 bar
Max. positive test pulse with 0 signal 3300 μs Max. negative test pulse on 1 signal 3100 μs	Changeover time	13 ms
Max. negative test pulse on 1 signal 3100 μs	Duty cycle	100%
	Max. positive test pulse with 0 signal	3300 μs
Coil characteristics 230 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA	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

Feature	Value
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-10
Pneumatic connection 2	QS-10
Pneumatic connection 3	G1/4
Pneumatic connection 4	QS-10
Pneumatic connection 5	G1/4
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum