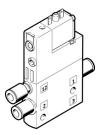
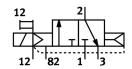
Air solenoid valve CPE14-M1BH-3GLS-QS-6 Part number: 196889







Data sheet

General operating condition

Valve function 3/2, closed, monostable Actuation type Electrical Width 14 mm Standard nominal flow rate 510 l/min Pneumatic working port QS-6 Operating yoltage 24V DC Operating pressure -0.09 MPa 1 MPa Operating pressure -0.9 bar 10 bar Structural design Piston gate valve Reset method Pneumatic spring Certification c U. U. s. Recognized (OL) Maritime classification See certificate Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection With plug socket as per IEC 60529 Nominal width 6 mm 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 Non-reversible Symbol Oo991405 Valve position ID Label holder Using time off 27 ms Switching time off 27 ms On switching time off 1500 us. Regeated Son us. R	Feature	Value
Width 14 mm Standard nominal flow rate 510 I/min Pneumatic working port QS-6 Operating voltage 24V DC Operating pressure -0.09 MPa 1 MPa Operating pressure -0.9 bar 10 bar Structural design Piston gate valve Reset method Pneumatic spring Certification C UL us - Recognized (OL) Maritime classification Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection Plots With plug socket as per IEC 60529 Nominal width 6 mm 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 Non-reversible Symbol 0.0991405 Valve position ID Label holder Lap Overlap Pilot pressure MPa O 27 ms On switching time 0.100% in combination with holding current reduction Max. positive test pulse with 0 signal	Valve function	3/2, closed, monostable
Standard nominal flow rate Pneumatic working port QS-6 Operating voltage QS-6 Operating pressure Operating pressure Operating pressure O-9 bar 10 bar Structural design Piston gate valve Reset method Pneumatic spring Certification Certification See certificate Certificate issuing authority DNV-TAA000033X UL MH19482 Degree of protection Pies of mm Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Type of control Pilot air supply port External Flow direction DNO-TAA00000 Symbol Oop91405 Symbol Oop91405 Symbol Detenting via control Pilot controlled Pilot air supply port External Flow direction Non-reversible Symbol Oop91405 Symbol Oop91405 Label holder Lap Overlap Pilot pressure DNO-MBPA Soft MBPA Oos MPA DO-MBPA DO	Actuation type	Electrical
Pneumatic working port Operating voltage 24V DC Operating pressure -0.09 MPa 1 MPa Operating pressure -0.9 bar 10 bar Structural design Reset method Pneumatic spring Certification c UL us - Recognized (OL) Maritime classification See certificate Certificate issuing authority UL MH19482 Degree of protection IP65 With plug socket as per IEC 60529 Nominal width 6 mm Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Type of control Pilot air supply port External Flow direction Non-reversible Symbol Valve position ID Label holder Lap Overlap Pilot pressure Duty cycle 10 ms Soft ms Ouspitude Using Holding current reduction Max. positive test pulse with 0 signal 1200 µs	Width	14 mm
Operating voltage 24V DC Operating pressure -0.09 MPa 1 MPa Operating pressure -0.9 bar 10 bar Structural design Piston gate valve Reset method Pneumatic spring Certification c UL us - Recognized (OL) Maritime classification See certificate Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection IP65 With plug socket as per IEC 60529 Nominal width 6 mm 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 Non-reversible Symbol 00991405 Valve position ID Label holder Lap Overlap Pilot pressure 2.5 bar 8 bar Switching time off 27 ms On switching time 16 ms Duty cycle 100% in combination with holding current reduction	Standard nominal flow rate	510 l/min
Operating pressure -0.09 MPa 1 MPa Operating pressure -0.9 bar 10 bar Structural design Piston gate valve Reset method Pneumatic spring Certification c UL us - Recognized (OL) Maritime classification See certificate Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection IP65 With plug socket as per IEC 60529 Nominal width 6 mm 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 Non-reversible Symbol 00991405 Valve position ID Label holder Lap Overlap Pilot pressure MPa 0.25 MPa 0.8 MPa Pilot pressure 2.5 bar 8 bar Switching time off 27 ms On switching time 16 ms Duty cycle 100% in combination with holding current reduction	Pneumatic working port	QS-6
Operating pressure	Operating voltage	24V DC
Structural design Piston gate valve Reset method Pneumatic spring Certification c UL us - Recognized (OL) Maritime classification See certificate Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection IP65 With plug socket as per IEC 60529 Nominal width 6 mm 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 Non-reversible Symbol 00991405 Valve position ID Label holder Lap Overlap Pilot pressure MPa 0.25 MPa 0.8 MPa Pilot pressure 2.5 bar 8 bar Switching time off 27 ms On switching time 16 ms Duty cycle 100% in combination with holding current reduction Max. positive test pulse with 0 signal 1200 μs	Operating pressure	-0.09 MPa 1 MPa
Reset method Pneumatic spring Certification c UL us - Recognized (OL) Maritime classification See certificate Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection IP65 With plug socket as per IEC 60529 Nominal width 6 mm 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 Non-reversible Symbol 00991405 Valve position ID Label holder Lap Overlap Pilot pressure MPa 0.25 MPa 0.8 MPa Pilot pressure 2.5 bar 8 bar Switching time off 27 ms On switching time 16 ms Duty cycle 100% in combination with holding current reduction Max. positive test pulse with 0 signal 1200 μs	Operating pressure	-0.9 bar 10 bar
Certification c UL us - Recognized (OL) Maritime classification See certificate Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection IP65 With plug socket as per IEC 60529 Nominal width 6 mm 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 Non-reversible Symbol 00991405 Valve position ID Label holder Lap Overlap Pilot pressure MPa 0.25 MPa 0.8 MPa Pilot pressure 2.5 bar 8 bar Switching time off 27 ms On switching time 16 ms Duty cycle 100% in combination with holding current reduction Max. positive test pulse with 0 signal 1200 μs	Structural design	Piston gate valve
Maritime classification Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection IP65 With plug socket as per IEC 60529 Nominal width 6 mm 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 Non-reversible Symbol Valve position ID Label holder Lap Pilot pressure MPa Pilot pressure 2.5 bar 8 bar Switching time off On switching time Duty cycle 100% in combination with holding current reduction Max. positive test pulse with 0 signal	Reset method	Pneumatic spring
Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection IP65 With plug socket as per IEC 60529 Nominal width 6 mm 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 Non-reversible Symbol O0991405 Valve position ID Label holder Lap Pilot pressure MPa O.25 MPa 0.8 MPa Pilot pressure 2.5 bar 8 bar Switching time off On switching time Duty cycle 100% in combination with holding current reduction Max. positive test pulse with 0 signal	Certification	c UL us - Recognized (OL)
Degree of protection IP65 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 External Flow direction Non-reversible Symbol O0991405 Valve position ID Label holder Lap Overlap Pilot pressure MPa O25 MPa 0.8 MPa Pilot pressure Switching time off On switching time Duty cycle 100% in combination with holding current reduction Max. positive test pulse with 0 signal	Maritime classification	See certificate
With plug socket as per IEC 60529 Nominal width 6 mm 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 Non-reversible Symbol 00991405 Valve position ID Label holder Lap Overlap Pilot pressure MPa 0.25 MPa 0.8 MPa Pilot pressure 2.5 bar 8 bar Switching time off 27 ms On switching time 16 ms Duty cycle 100% in combination with holding current reduction Max. positive test pulse with 0 signal	Certificate issuing authority	-
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 Non-reversible Symbol 00991405 Valve position ID Label holder Lap Overlap Pilot pressure MPa 0.25 MPa 0.8 MPa Pilot pressure 2.5 bar 8 bar Switching time off 27 ms On switching time 16 ms Duty cycle 100% in combination with holding current reduction Max. positive test pulse with 0 signal 1200 μs	Degree of protection	With plug socket
Mounting positionAnyManual overrideDetenting via accessory Non-detentingType of controlPilot-controlledPilot air supply portExternalFlow directionNon-reversibleSymbol00991405Valve position IDLabel holderLapOverlapPilot pressure MPa0.25 MPa 0.8 MPaPilot pressure2.5 bar 8 barSwitching time off27 msOn switching time16 msDuty cycle100% in combination with holding current reductionMax. positive test pulse with 0 signal1200 μs	Nominal width	6 mm
Manual override Detenting via accessory Non-detenting Pilot-controlled Pilot air supply port External Flow direction Non-reversible Symbol Valve position ID Label holder Lap Overlap Pilot pressure MPa 0.25 MPa 0.8 MPa Pilot pressure 2.5 bar 8 bar Switching time off On switching time 16 ms Duty cycle 100% in combination with holding current reduction Max. positive test pulse with 0 signal	Sealing principle	Soft
Non-detenting Type of control Pilot controlled Pilot air supply port External Flow direction Non-reversible Symbol O0991405 Valve position ID Label holder Lap Overlap Pilot pressure MPa O.25 MPa 0.8 MPa Pilot pressure 2.5 bar 8 bar Switching time off 27 ms On switching time 16 ms Duty cycle 100% in combination with holding current reduction Max. positive test pulse with 0 signal	Mounting position	Any
Pilot air supply portExternalFlow directionNon-reversibleSymbol00991405Valve position IDLabel holderLapOverlapPilot pressure MPa0.25 MPa 0.8 MPaPilot pressure2.5 bar 8 barSwitching time off27 msOn switching time16 msDuty cycle100% in combination with holding current reductionMax. positive test pulse with 0 signal1200 μs	Manual override	,
Flow direction Non-reversible Symbol 00991405 Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure 2.5 bar 8 bar Switching time off 27 ms On switching time 16 ms Duty cycle 100% in combination with holding current reduction Max. positive test pulse with 0 signal	Type of control	Pilot-controlled
Symbol 00991405 Valve position ID Label holder Lap Overlap Pilot pressure MPa 0.25 MPa 0.8 MPa Pilot pressure 2.5 bar 8 bar Switching time off 27 ms On switching time 16 ms Duty cycle 100% in combination with holding current reduction Max. positive test pulse with 0 signal 1200 μs	Pilot air supply port	External
Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure 2.5 bar 8 bar Switching time off On switching time 16 ms Duty cycle 100% in combination with holding current reduction Max. positive test pulse with 0 signal	Flow direction	Non-reversible
Lap Overlap Pilot pressure MPa 0.25 MPa 0.8 MPa Pilot pressure 2.5 bar 8 bar Switching time off 27 ms On switching time 16 ms Duty cycle 100% in combination with holding current reduction Max. positive test pulse with 0 signal 1200 μs	Symbol	00991405
Pilot pressure MPa 0.25 MPa 0.8 MPa Pilot pressure 2.5 bar 8 bar Switching time off 27 ms On switching time 16 ms Duty cycle 100% in combination with holding current reduction Max. positive test pulse with 0 signal 1200 μs	Valve position ID	Label holder
Pilot pressure 2.5 bar 8 bar Switching time off 27 ms On switching time 16 ms Duty cycle 100% in combination with holding current reduction Max. positive test pulse with 0 signal 1200 µs	Lap	Overlap
Switching time off 27 ms On switching time 16 ms Duty cycle 100% in combination with holding current reduction Max. positive test pulse with 0 signal 1200 µs	Pilot pressure MPa	0.25 MPa 0.8 MPa
On switching time 16 ms Duty cycle 100% in combination with holding current reduction Max. positive test pulse with 0 signal 1200 μs	Pilot pressure	2.5 bar 8 bar
Duty cycle 100% in combination with holding current reduction Max. positive test pulse with 0 signal 1200 μs	Switching time off	27 ms
Max. positive test pulse with 0 signal 1200 μs	On switching time	16 ms
	Duty cycle	100% in combination with holding current reduction
Max. negative test pulse on 1 signal	Max. positive test pulse with 0 signal	1200 μs
	Max. negative test pulse on 1 signal	900 μs
Coil characteristics 24 V DC: 1.28 W	Coil characteristics	24 V DC: 1.28 W

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	2-pin
Type of mounting	With through-hole
Pilot exhaust air port 82	M3
Pilot air port 12	M3
Pneumatic connection 1	QS-6
Pneumatic connection 2	QS-6
Pneumatic connection 3	G1/8
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum