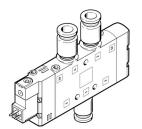
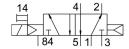
Air solenoid valve CPE24-M2H-5L-QS-10 Part number: 163818

FESTO





Data sheet

Maritime classification See certificate Overlap Actuation type Electrical Width 24 mm Standard nominal flow rate 1250 I/min Preumatic working port Operating pressure Degreating pressure Design Piston gate valve Reset method Preumatic spring Degree of protection Preumatic spring Degree of protection Preumatic spring Degree of protection Us. Recognized (OL) Nominal width 11 mm Nominal width 11 mm Type code 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 accessory Non-detenting Type of control Pilot controlled Pilot is supply port Internal Flow direction Non-reversible Symbol Oosy 1003 Valve position ID Label holder Switching time off Oon switching time off Oon switching time off Oon switching time off Max. positive test pulse with 0 signal Max. positive test pulse on 1 signal Max. positive test pulse on 1 signal Max. positive test pulse on 1 signal Operating medium Compressed air as per ISO 8573-1:2010 [74:4:4]	Feature	Value
Actuation type Electrical Width 24 mm Standard nominal flow rate Preumatic working port Operating voltage Operating ressure Operating pressure Design Reset method Degree of protection Preumatic spring Certification CUL us - Recognized (0L) Nominal width 11 mm Type code Exhaust air function Sealing principle Monunal override Monunal override Monunal override Pilot controlled Pilot-controlled Pilot-controlled Internal Flow direction Nom-reversible Soms Oos witching time off Oos wax permissible voltage fluctuations Max. positive test pulse with 0 signal Max. positive test pulse with 0 signal Max. permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Compressed air as per ISO 8573-1:2010 [7:4:4]	Valve function	5/2, monostable
Actuation type Electrical Width 24 mm Standard nominal flow rate Pheumatic working port Operating voltage Operating yoltage Operating yoltage Operating yoltage Operating pressure 2.5 bar 10 bar Operating pressure Pheumatic spring Pester method Degree of protection Pester with plug socket as per IEC 60529 Certification Cult. us - Recognized (OL) Nominal width 11 mm Type code CPE24 Exhaust air function Soft Mounting position Any Manual override Detenting via accessory Non-detenting Type of control Pilot air supply port Internal Flow direction Non-reversible Symbol Operating time off So ms On switching time off So ms On switching time Max. negative test pulse with 0 signal Max. negative test pulse with 0 signal Max. negative test pulse on 1 signal Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Maritime classification	See certificate
Width 24 mm Standard nominal flow rate 1250 l/min Peneumatic working port QS-10 Operating voltage 110 V AC Operating pressure 2.5 bar 10 bar Design Piston gate valve Reset method Pneumatic spring Degree of protection Pie65 With plug socket as per IEC 60529 Certification CUL us - Recognized (OL) Nominal width 11 mm Type code CPE24 Exhaust air function With flow control option Septimal principle Soft Mounting position Any Manual override Determine Determine Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol 00991023 Valve position ID Label holder Switching time off 00 ns witching time Duty cycle 100% Max. positive test pulse with 0 signal 3300 µs Max. positive test pulse with 0 signal 110 VAC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1;2010 [7:444]	Lap	Overlap
Standard nominal flow rate 1250 l/min Pneumatic working port QS-10 Operating pressure 2.5 bar 10 bar Design Pliston gate valve Reset method Pneumatic spring Degree of protection IP65 With plug socket as per IEC 60529 Certification CUL us - Recognized (OL) Nominal width 11 mm Type code CPE24 Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Determine Pliot-controlled Pliot air supply port Internal Flow direction Non-reversible Symbol O0991023 Valve position ID Label holder Switching time off 50 ms Out yocked Max. negative test pulse with 0 signal 3300 µs Max. negative test pulse on 1 signal Copperating medium Operating medium Operating medium Compressed air as per ISO 8573-1;2010 [7:4:4]	Actuation type	Electrical
Preumatic working port Operating voltage 110V AC Operating pressure 2.5 bar 10 bar Design Piston gate valve Reset method Degree of protection Pies With plug socket as per IEC 60529 Certification Cultus Recognized (OL) Nominal width 11 mm Type code CPE24 Exhaust air function With flow control option Sealing principle Soft Mounting position Manual override Detenting via accessory Non-detenting Type of control Pilot controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Valve position ID Label holder Switching time off On switching time Outy cycle Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1;2010 [7:4:4]	Width	24 mm
Operating voltage 110V AC Operating pressure 2.5 bar 10 bar Design Piston gate valve Reset method Pneumatic spring Degree of protection IP65 With plug socket as per IEC 60529 Certification CUL us - Recognized (OL) Nominal width 11 mm Type code CPE24 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 Internal Flow direction Non-reversible Symbol 00991023 Valve position ID Label holder Switching time off 50 ms On switching time Max. positive test pulse with 0 signal 3100 µs Max. positive test pulse with 0 signal 3100 µs Coperating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Standard nominal flow rate	1250 l/min
Operating pressure 2.5 bar 10 bar Design Piston gate valve Reset method Pneumatic spring Degree of protection IP65 With plug socket as per IEC 60529 Certification CUL us - Recognized (OL) Nominal width 11 mm Type code CPE24 Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Mon-detenting Internal Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol 00991023 Valve position ID Label holder Switching time off 50 ms On switching time 40 ms Duty cycle 100% Max. positive test pulse with 0 signal 3300 μs Max. acquite 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 % <td>Pneumatic working port</td> <td>QS-10</td>	Pneumatic working port	QS-10
Design Piston gate valve Reset method Pneumatic spring Degree of protection IP65 With plug socket as per IEC 60529 Certification c UL us - Recognized (OL) Nominal width 11 mm Type code CPE24 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 Internal Flow direction Non-reversible Symbol 00991023 Valve position ID Label holder Switching time off 50 ms On switching time 40 ms Duty cycle 100% Max. positive test pulse with 0 signal 3300 μs 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]	Operating voltage	110V AC
Reset method Degree of protection Degree of CPE24 Degree of Coll Coll Degree of Coll Coll Degree of CPE24 Degree of Coll Coll Degree of Coll Coll Degree of Coll Coll Degree of Coll Coll Degree of Coll Degree of Coll Degree of CPE24 Degree of Coll Degree of C	Operating pressure	2.5 bar 10 bar
Degree of protection Detailing a control option Detailing position Detailing via accessory Non-detenting Detenting via accessory Non-detenting Detenting via protection Degree of control Pilot-controlled Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Degree of protection Non-reversible Symbol Dogglo23 Valve position ID Deswitching time off Don switching time Don switching time Don's witching time Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Dogglo25 Dogglo26 Max. negative test pulse on 1 signal Dogglo27 Dogglo37 Dogglo38 Dogglo38 Dogglo39 Do	Design	Piston gate valve
With plug socket as per IEC 60529 Certification cUL us - Recognized (OL) Nominal width 11 mm Type code CPE24 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 Internal Plow direction Non-reversible Symbol O0991023 Valve position ID Label holder Switching time off 50 ms Don switching time off 40 ms Duty cycle 100% Max. positive test pulse with 0 signal 3300 µs 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 Compressed air as per ISO 8573-1:2010 [7:4:4]	Reset method	Pneumatic spring
Nominal width 11 mm Type code CPE24 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 Internal Flow direction Non-reversible Symbol 00991023 Valve position ID Label holder Switching time off 50 ms On switching time Duty cycle 100% Max. positive test pulse with 0 signal 3300 µs Max. negative test pulse on 1 signal 100 µs Coil characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations Compressed air as per ISO 8573-1:2010 [7:4:4]	Degree of protection	With plug socket
Exhaust air function Sealing principle Soft Mounting position Manual override Mounting position Manual override Detenting via accessory Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Valve position ID Label holder Switching time off On switching time Duty cycle Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Certification	c UL us - Recognized (OL)
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 Internal Flow direction Non-reversible Symbol Valve position ID Switching time off On switching time 40 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Nominal width	11 mm
Sealing principle Mounting position Any Manual override Detenting via accessory Non-detenting Type of control Pilot-controlled Internal Flow direction Non-reversible Symbol Valve position ID Switching time off On switching time Duty cycle Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Type code	CPE24
Mounting position Manual override Detenting via accessory Non-detenting Type of control Pilot-controlled Pilot-controlled Pilot-controlled Internal Flow direction Non-reversible Symbol Oo991023 Valve position ID Label holder Switching time off So ms On switching time 40 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Max. negative test pulse on 1 signal Coil characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Exhaust air function	With flow control option
Manual override Detenting via accessory Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Oo991023 Valve position ID Label holder Switching time off So ms On switching time 40 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Sealing principle	Soft
Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Non-reversible Symbol Oo991023 Valve position ID Label holder Switching time off On switching time 40 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics Permissible voltage fluctuations Operating medium Non-detenting Pilot-controlled Non-reversible Non-reversible Non-reversible 00991023 Label holder 50 ms 40 ms 100% 100% 100% 100% 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA -15 % / +10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Mounting position	Any
Pilot air supply port Flow direction Non-reversible Symbol Oo991023 Valve position ID Label holder Switching time off 50 ms On switching time 40 ms Duty cycle 100% Max. positive test pulse with 0 signal 3300 µs 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 Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Manual override	
Flow direction Non-reversible O0991023 Valve position ID Label holder Switching time off On switching time 40 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA Permissible voltage fluctuations Operating medium Non-reversible Non-reversible Non-reversible Non-reversible Non-reversible 100991023 Label holder 50 ms 40 ms 100% The second of the second o	Type of control	Pilot-controlled
Symbol 00991023 Valve position ID Label holder Switching time off 50 ms On switching time 40 ms Duty cycle 100% Max. positive test pulse with 0 signal 3300 μs 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]	Pilot air supply port	Internal
Valve position ID Label holder Switching time off 50 ms On switching time 40 ms Duty cycle 100% Max. positive test pulse with 0 signal 3300 μs 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]	Flow direction	Non-reversible
Switching time off On switching time 40 ms Duty cycle 100% Max. positive test pulse with 0 signal 3300 μs Max. negative test pulse on 1 signal 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]	Symbol	00991023
On switching time 40 ms Duty cycle 100% Max. positive test pulse with 0 signal 3300 μs 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]	Valve position ID	Label holder
Duty cycle 100% Max. positive test pulse with 0 signal 3300 μs 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]	Switching time off	50 ms
Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal 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]	On switching time	40 ms
Max. negative test pulse on 1 signal 2100 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]	Duty cycle	100%
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]	Max. positive test pulse with 0 signal	3300 µs
Permissible voltage fluctuations -15 % / +10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Max. negative test pulse on 1 signal	3100 µs
Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Coil characteristics	110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA
	Permissible voltage fluctuations	-15 % / +10 %
Information on operating and pilot media Operation with oil lubrication possible (required for further use)	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)

Feature	Value
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
Temperature of medium	-5 ℃ 50 ℃
Ambient temperature	-5 ℃ 50 ℃
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	G3/8
Pneumatic connection 4	QS-10
Pneumatic connection 5	G3/8
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum