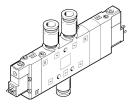
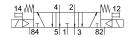
## Solenoid valve CPE24-M2H-5/3E-QS-10 Part number: 170309







## **Data sheet**

Type of actuation  Electric  Construction width  24 mm  Standard nominal flow rate  1250 U/min  Doperating port  Operating voltage  110V AC  Operating pressure  0.25 MPa1 MPa 2.5 bar10 bar  Design  Piston gate valve  Type of reset  Approval  CE mark (see declaration of conformity)  To EU Low Voltage Directive  CE marking (see declaration of conformity)  To UK regulations for electrical equipment  Certificate issuing authority  Dogree of protection  Piefos  With plug socket To IEC 60529  Nominal size  11 mm  Exhaust-air function  Sealing principle  Soft  Mounting position  Manual override  Non-detenting  Type of piloting  Pilot actuated  Inscription label holder  Ilap  Positive overlap  Switching time off  Symbolic in the minimum and in the minimum and in the minimum and in the minimum and increption label holder  Iss minimum and increption an	Feature	Value
Construction width 24 mm  Standard nominal flow rate 1250 l/min  pneumatic working port QS-10  Operating voltage 110V AC  Operating pressure 2.5 bar10 bar  Design Piston gate valve  Type of reset Mechanical spring  Approval CLI us - Recognized (OL)  Maritime classification See certificate  CE mark (see declaration of conformity) To EU Low Voltage Directive  CE marking (see declaration of conformity) To UK regulations for electrical equipment  Certificate issuing authority DNV-TAA000032X  Degree of protection P65  With plug socket To IEC 60529  Nominal size 11 mm  Exhaust-air function With flow control option  Sealing principle Soft  Mounting position optional  Manual override Determing via accessory Non-detenting  Type of piloting Pilot actuated  Pilot air supply Internal  Flow direction Logs im Some Some Some Some Some Some Some Som	Valve function	5/3 exhausted
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Design Piston gate valve  Design Piston gate valve  Design Piston gate valve  Type of reset Mechanical spring  Approval CE mark (see declaration of conformity) To UK regulations for electrical equipment  Cet mark (see declaration of conformity) To UK regulations for electrical equipment  Cet mark (see of protection Piston gate valve)  Degree of protection Piston gate valve  11 mm  Exhaust-air function With flow control option  Sealing principle Soft  Mounting position Optional  Manual override Determine Piston gate valve  Increase Piston Piston Piston Piston gate valve  Non-detenting  Pilot actuated  Increase Piston Piston Piston gate valve  Non-reversible  Inscription label holder  Iap Positive overlap  Switching time off  Soft mosticin Uncored Piston Piston gate valve  1 Inscription label holder  Inscription label holder  Inscription label holder  Inscription label holder  Soft overlap  Switching time off  Soft mosticin Gespan Piston overlap  Switching time off  Soft mosticin Piston overlap  Switching time off  Soft mosticin Piston overlap  Switching time off  Soft most overlap	Construction width	24 mm
Operating voltage Operating pressure Operating voltage	Standard nominal flow rate	1250 l/min
Operating pressure  0.25 MPa1 MPa 2.5 bar10 bar  Piston gate valve  Type of reset  Mechanical spring  Approval  CUL us - Recognized (OL)  Maritime classification  See certificate  CE mark (see declaration of conformity)  To EU Low Voltage Directive  CE marking (see declaration of conformity)  To UK regulations for electrical equipment  Certificate issuing authority  DNV-TAA000032X  Degree of protection  IP65 With plug socket To IEC 60529  Nominal size  11 mm  Exhaust-air function  With flow control option  Sealing principle  Soft  Mounting position  Manual override  Detenting via accessory Non-detenting  Type of piloting  Pilot actuated  Pilot air supply  Internal  Flow direction  Valve position code  Inscription label holder  lap  Positive overlap  Switching time off  Syms  Switching time off  Syms  Switching time off  Syms  Switching time off  Signs  Piston gate valve  Mechanical spring  Piston gate valve  Mechanical spring  CUL us - Recognized (OL)  Mechanical spring  Piston gate valve  Mechanical spring  Piston gate valve  See certificate  CE mark ing pirective  Cul us - Recognized (OL)  Mechanical spring  Piston gate valve  See certificate  See Low voltage  See certificate  See certificate  See certificate  See Low voltage  See certificate  See Low voltage  See certificate  See Low voltage  See certificate  See Counties  See certificate  See Counties	pneumatic working port	QS-10
Design Piston gate valve Type of reset Mechanical spring Approval CE mark (see declaration of conformity) To EU Low Voltage Directive CE marking (see declaration of conformity) To EU Low Voltage Directive CE marking (see declaration of conformity) DNV-TAA000032X Degree of protection Piefs With plug socket To IEC 60529 Nominal size 11 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Manual override Detenting via accessory Non-detenting Pilot air supply Flow direction Valve position code Inscription label holder Iap Positive overlap Switching time off S 5 ms Switching time on  2.5 ms	Operating voltage	110V AC
Type of reset  Approval c UL us - Recognized (OL)  Maritime classification  CE mark (see declaration of conformity)  To EU Low Voltage Directive  CE marking (see declaration of conformity)  To UK regulations for electrical equipment  Certificate issuing authority  DNV-TAA000032X  Degree of protection  Protection  Degree of protection  With plug socket To IEC 60529  Nominal size  11 mm  Exhaust-air function  With flow control option  Sealing principle  Mounting position  Manual override  Detenting via accessory Non-detenting  Type of piloting  Pilot actuated  Pilot air supply  Internal  Flow direction  Valve position code  Inscription label holder  lap  Positive overlap  Switching time off  Syms  Switching time off  See certificate  CUL us - Recognized (OL)  See certificate  Lou Us - Recognized (OL)  See certificate  C UL us - Recognized (OL)  See certificate  S	Operating pressure	
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Maritime classification  See certificate  CE mark (see declaration of conformity)  To EU Low Voltage Directive  CE marking (see declaration of conformity)  To UK regulations for electrical equipment  DNV-TAA000032X  Degree of protection  IP65 With plug socket To IEC 60529  Nominal size  11 mm  Exhaust-air function  With flow control option  Sealing principle  Mounting position  Manual override  Detenting via accessory Non-detenting  Type of piloting  Pilot actuated  Pilot air supply  Internal  Flow direction  Valve position code  Inscription label holder  Iap  Positive overlap  Switching time off  S5 ms  Switching time on  25 ms	Type of reset	Mechanical spring
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Certificate issuing authority  Degree of protection  Pef5 With plug socket To IEC 60529  Nominal size  11 mm  Exhaust-air function  Sealing principle  Soft  Mounting position  Manual override  Detenting via accessory Non-detenting  Type of piloting  Pilot air supply  Internal  Flow direction  Non-reversible  Valve position code  Inscription label holder  lap  Positive overlap  Switching time on  DNV-TAA000032X  DNV-TAA000032X  BYO-TAA000032X  DIPS With plug socket To IEC 60529  Nith flow control option  With flow control option  Detenting via accessory Non-detenting  Pilot actuated  Non-reversible  Inscription label holder  Positive overlap  Switching time on  25 ms	CE mark (see declaration of conformity)	To EU Low Voltage Directive
Degree of protection  IP65 With plug socket To IEC 60529  Nominal size  11 mm  Exhaust-air function  With flow control option  Sealing principle  Soft  Mounting position  Manual override  Detenting via accessory Non-detenting  Type of piloting  Pilot actuated  Pilot air supply  Internal  Flow direction  Non-reversible  Valve position code  Inscription label holder  lap  Positive overlap  Switching time off  55 ms  Switching time on  1965 With plug socket To IEC 60529  Neth plug socket To IEC 60529  Internal  Positive overlap  Some Some Some Some Some Some Some Som	CE marking (see declaration of conformity)	To UK regulations for electrical equipment
With plug socket To IEC 60529  Nominal size 11 mm  Exhaust-air function With flow control option  Sealing principle Soft  Mounting position optional  Manual override Detenting via accessory Non-detenting  Type of piloting Pilot actuated  Pilot air supply Internal  Flow direction Non-reversible  Valve position code Inscription label holder  lap Positive overlap  Switching time off 55 ms  Switching time on 25 ms	Certificate issuing authority	DNV-TAA000032X
Exhaust-air function  Sealing principle  Soft  Mounting position  Manual override  Detenting via accessory Non-detenting  Type of piloting  Pilot actuated  Pilot air supply  Internal  Flow direction  Non-reversible  Valve position code  Inscription label holder  lap  Switching time off  Soft  With flow control option  Optional  Detenting via accessory Non-detenting  Pilot actuated  Pilot actuated  Internal  Non-reversible  Positive overlap  Soft  Soft  Soft  Soft  Soft  Soft  Soft  Detenting via accessory Non-detenting  Pilot actuated  Pilot actuated  Filot actuated  Positive overlap  Soft  So	Degree of protection	With plug socket
Sealing principle  Mounting position  Manual override  Detenting via accessory Non-detenting  Type of piloting  Pilot actuated  Pilot air supply  Internal  Flow direction  Non-reversible  Valve position code  Inscription label holder  lap  Positive overlap  Switching time off  Soft  Optional  Detenting via accessory Non-detenting  Pilot actuated  Internal  Non-reversible  Soms  Switching time off  Soms  Switching time on  Soft  Optional  Detenting via accessory Non-detenting  Pilot actuated  Internal  Non-reversible  Soms	Nominal size	11 mm
Mounting position optional  Manual override Detenting via accessory Non-detenting  Type of piloting Pilot actuated  Pilot air supply Internal  Flow direction Non-reversible  Valve position code Inscription label holder  lap Positive overlap  Switching time off 55 ms  Switching time on 25 ms	Exhaust-air function	With flow control option
Manual override  Detenting via accessory Non-detenting  Type of piloting  Pilot actuated  Pilot air supply  Internal  Flow direction  Non-reversible  Valve position code  Inscription label holder  lap  Positive overlap  Switching time off  55 ms  Switching time on  25 ms	Sealing principle	Soft
Non-detenting  Type of piloting Pilot actuated  Pilot air supply Internal  Flow direction Non-reversible Valve position code Inscription label holder Iap Positive overlap  Switching time off 55 ms  Switching time on 25 ms	Mounting position	optional
Pilot air supply  Flow direction  Non-reversible  Valve position code  Inscription label holder  lap  Positive overlap  Switching time off  55 ms  Switching time on  25 ms	Manual override	
Flow direction  Non-reversible  Valve position code  Inscription label holder  lap  Positive overlap  Switching time off  55 ms  Switching time on  25 ms	Type of piloting	Pilot actuated
Valve position code Inscription label holder lap Positive overlap  Switching time off 55 ms  Switching time on 25 ms	Pilot air supply	Internal
Positive overlap Switching time off 55 ms Switching time on 25 ms	Flow direction	Non-reversible
Switching time off 55 ms Switching time on 25 ms	Valve position code	Inscription label holder
Switching time on 25 ms	lap	Positive overlap
	Switching time off	55 ms
Duty cycle 100%	Switching time on	25 ms
	Duty cycle	100%

Feature	Value
Max. positive test pulse with 0 signal	3300 μs
Max. negative test pulse with 1 signal	3100 µs
Characteristic coil data	110 V AC: 50/60 Hz, pick-up power 3.0 VA, holding power 2.4 VA
Permissible voltage fluctuations	-15%/+10%
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Media temperature	-5 °C50 °C
Ambient temperature	-5 °C50 °C
Electrical connection	Туре С
Type of mounting	With through-hole
Pilot exhaust port 82	M5
Pilot exhaust port 84	M5
Pilot air port 12	M5
Pilot air port 14	M5
Pneumatic connection, port 1	QS-10
Pneumatic connection, port 2	QS-10
Pneumatic connection, port 3	G3/8
Pneumatic connection, port 4	QS-10
Pneumatic connection, port 5	G3/8
Note on materials	RoHS-compliant
Material seals	NBR
Material housing	Die-cast aluminium