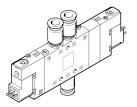
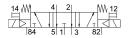
## Solenoid valve CPE18-M2H-5/3E-QS-10 Part number: 170297







## **Data sheet**

Type of actuation  Electric  Construction width  18 mm  Standard nominal flow rate  1000 l/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  Exhaust-air function  Sealing principle  Soft  Mounting position  Manual override  Detenting via accessory Non-detenting  Type of piloting  Pilot actuated  Inscription label holder  Inscription label holder  Isap  Switching time off  Spice Carpo  1000 J.	Feature	Value
Construction width 18 mm  Standard nominal flow rate 1000 l/min  Operating voltage 110 V AC  Operating pressure 2.5 bar10 bar  Design Piston gate valve  Type of reset Mechanical spring  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  Nominal size 8 mm  Exhaust-air function With flow control option  Sealing principle Soft  Mounting position optional Detenting via accessory Non-detenting  Type of piloting Pilot actuated Plots are solved in script of the positive occle  Non-reversible Inscription Inscription labe holder lapp  Switching time off So ms  Switching time of Soft on Soft over ap Soft on Soft over ap Soft over ap Soft on Soft on Soft over ap Soft on Soft over ap Soft on Soft on Soft over ap Soft on Soft on Soft over ap Soft on Soft over ap Soft on Soft on Soft over ap Soft on Soft over ap Soft on Soft on Soft over ap Soft on Soft of Soft over ap Soft on Soft over ap Soft on Soft on Soft over ap Soft on Soft of Soft over ap Soft of Soft of Soft over ap Soft of Soft of Soft over ap Soft of Soft of Soft of Soft over ap Soft of Soft of Soft of Soft over ap Soft of Soft of Soft of Soft of Soft over ap Soft of Soft of Soft of Soft of Soft of Soft over ap Soft of Soft of Soft of Soft of Soft of Soft over ap Soft of So	Valve function	5/3 exhausted
Standard nominal flow rate pneumatic working port  Operating voltage  110V AC  Operating pressure  2.5 bar10 bar  Design  Piston gate valve Type of reset  Approval  CE mark (see declaration of conformity)  Certificate issuing authority  Degree of protection  Pieson  IP65  With plug socket To IEC 60529  Nominal size  Exhaust-air function  Sealing principle  Soft  Mounting position  Manual override  Manual override  Pilot air supply  Internal  Flow direction  Internal  Non-reversible  Volted in the manual over rate  Internal  Switching time off  Switch ing time off  Switch ing time off  Switch ing time off  Switch ing time off  Switching time off  Switching time of  Sons  So	Type of actuation	Electric
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  With flow control option  Sealing principle Soft  Mounting position Optional  Manual override Description Pilot actuated  Pilot air supply Internal  Flow direction Non-reversible  Inscription label holder	Construction width	18 mm
Operating voltage Operating pressure Operating voltage	Standard nominal flow rate	1000 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  8 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 actuated  Pilot air supply  Internal  Flow direction  Valve position code  Inscription label holder  lap  Positive overlap  Switching time off  Switching time off  Soms  Switching time off  Soms  Piston gate valve  Mechanical spring  Piston gate valve  See certificate  CE Lus - Recognized (OL)  Mechanical spring  Piston gate valve  See certificate  See Luo voltage  See certificate  See ce	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 Pief5 With plug socket To IEC 60529 Nominal size Sm m 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 Ilap Positive overlap Switching time off Switching time on 20 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  8 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  Sea Certificate  See certificate  C UL us - Recognized (OL)  See certificate  See certificate  C UL us - Recognized (OL)  See certificate  Se	Operating pressure	
Approval c UL 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 8 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 S8 ms  Switching time off 20 ms	Design	Piston gate valve
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  8 mm  Exhaust-air function  Sealing principle  Mounting position  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 Iap Positive overlap Switching time off  See certificate To EU Low Voltage Directive To EU Consolidation of Electrical equipment To EU Consolidation of Electric	Type of reset	Mechanical spring
CE mark (see declaration of conformity)  CE marking (see declaration of conformity)  To EU Low Voltage Directive  To UK regulations for electrical equipment  DNV-TAA000032X  Degree of protection  IP65 With plug socket To IEC 60529  Nominal size  8 mm  Exhaust-air function  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  Switching time on  To EU Low Voltage Directive  To EU Low Voltage Directive  To UK regulations for electrical equipment  Bm NN-TAA000032X  DNV-TAA000032X  Bm S  To UK regulations for electrical equipment  To UK regulations for electrical equipment  To UK regulations for electrical equipment  With flow control equipment  Bn Mm  Exhaust-air quipment  DNV-TAA000032X  With flow control option  Sea mm  Exhaust-air function  Soft  With flow control option  Sea mm  Exhaust-air quipment  Detenting via accessory  Non-detenting  Pilot actuated  Detenting via accessory  Non-detenting  Non-reversible  Non-reversible  Valve position code  Inscription label holder	Approval	c UL us - Recognized (OL)
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  8 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  Iap  Positive overlap  Switching time off  38 ms  Switching time on  20 ms	Maritime classification	See certificate
Certificate issuing authority  Degree of protection  Pef5 With plug socket To IEC 60529  Nominal size  8 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  38 ms  Switching time on  DNV-TAA000032X  DNV-TAA000032X  PIP65 With plug socket To IEC 60529  Nem  Pilot actuated Pilot actuated Pilot actuated Pilot actuated Pilot actuated Pilot actuated Pilot air supply Positive overlap  Switching time off  38 ms  Switching time on  20 ms	CE mark (see declaration of conformity)	To EU Low Voltage Directive
Degree of protection  IP65 With plug socket To IEC 60529  Nominal size  8 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  38 ms  Switching time on  20 ms	CE marking (see declaration of conformity)	To UK regulations for electrical equipment
With plug socket To IEC 60529  Nominal size 8 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 38 ms  Switching time on 20 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  Valve opsition code  Inscription label holder  38 ms  Switching time off  20 ms	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  38 ms  Switching time on  20 ms	Nominal size	8 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 38 ms  Switching time on 20 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  38 ms  Switching time on  20 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 lap Positive overlap Switching time off 38 ms Switching time on 20 ms	Mounting position	optional
Pilot air supply  Flow direction  Non-reversible  Valve position code  Inscription label holder  lap  Positive overlap  Switching time off  38 ms  Switching time on  20 ms	Manual override	
Flow direction  Non-reversible  Valve position code  Inscription label holder  lap  Positive overlap  Switching time off  38 ms  Switching time on  20 ms	Type of piloting	Pilot actuated
Valve position code Inscription label holder lap Positive overlap  Switching time off 38 ms  Switching time on 20 ms	Pilot air supply	Internal
Positive overlap Switching time off 38 ms Switching time on 20 ms	Flow direction	Non-reversible
Switching time off 38 ms Switching time on 20 ms	Valve position code	Inscription label holder
Switching time on 20 ms	lap	Positive overlap
	Switching time off	38 ms
Duty cycle 100%	Switching time on	20 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	G1/4
Pneumatic connection, port 4	QS-10
Pneumatic connection, port 5	G1/4
Note on materials	RoHS-compliant
Material seals	NBR
Material housing	Die-cast aluminium