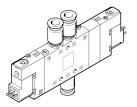
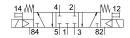
## Solenoid valve CPE18-M2H-5/3G-QS-8 Part number: 170289







## **Data sheet**

Type of actuation  Electric  Construction width  18 mm  Standard nominal flow rate  850 l /min  pneumatic working port  Operating voltage  Operating pressure  0.25 MPa1 MPa 2.5 bar10 bar  Design  Piston gate valve  Type of reset  Approval  Approval  CE mark (see declaration of conformity)  To EU Low Voltage Directive  CE marking (see declaration of conformity)  To EU Low Voltage Directive  Certificate issuing authority  Dony-TAA000032X  Degree of protection  With plug socket To IEC 60529  Nominal size  Exhaust-air function  Sealing principle  Soft  Mounting position  Manual override  Pilot air supply  Internal  Flow direction  Valve position code Inscription label holder Ilap  Switching time off  Switching time off  Switching time off  Switching time of  Switching time off  Switching time off  Switching time off  Switching time of  Switching time off  Switching time of  Electric  1860 / "Internal  1800 / "Inter	Feature	Value
Construction width Standard nominal flow rate St	Valve function	5/3 closed
Standard nominal flow rate pneumatic working port QS-8 Operating voltage 110V AC Operating pressure 2.5 bar10 bar Design Piston gate valve Type of reset Mechanical spring Approval CE marking (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 With flow control option Sealing principle Soft Mounting position Optional Detenting voltage Directive Certificate issuing authority DNV-TAA000032X Degree of protection Plo5 With plug socket To IEC 60529 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 Pilot air supply Internal Flow direction Volve position Loadel Inscription label holder Iap Positive overlap Switching time off S8 ms Switching time off S8 ms	Type of actuation	Electric
pneumatic working port Operating voltage 110V AC Operating pressure 0.25 MPa1 MPa 2.5 bar10 bar  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 UK regulations for electrical equipment Certificate issuing authority DNV-TAA000032X 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 Inscription label holder Inscription label holder Inscription label holder Inscription label holder Iap Switching time off Switching time off Switching time of Soft opsition vorelap Switching time of	Construction width	18 mm
Operating voltage Operating pressure Operating voltage Operating pressure Operating voltage	Standard nominal flow rate	850 l/min
Operating pressure  0.25 MPa1 MPa 2.5 bar10 bar  Piston gate valve  Type of reset  Mechanical spring  Approval  CE mark (see declaration of conformity)  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  Pilot actuated  Pilot air supply  Internal  Flow direction  Valve position code  Inscription label holder  Iap Positive overlap  Switching time off  Switching time off  Switching time on  20 ms	pneumatic working port	QS-8
Design 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) 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 Determine Pilot air supply Internal Flow direction Non-reversible Valve position code Inscription label holder Inscription label holder Inscription label holder Inscription time off Switching time on 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  Band See See See See See See See See See 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 m  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  Valve position code Inscription label holder Iap  Positive overlap  Switching time off  See certificate To EU Low Voltage Directive To EU Company To EU Comp	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 of  Sun Account of conformity)  To EU Low Voltage Directive  To UK regulations for electrical equipment  B mm  Switching time off  To UK regulations for electrical equipment  With plug socket  To IEC 60529  Nominal size  B mm  Exhaust-air function  With flow control option  Sealing principle  Soft  With flow control option  Sealing principle  Sof	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  Valve position code Inscription label holder  lap  Positive overlap  Switching time off  38 ms  Switching time off  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  BIP65 With plug socket To IEC 60529  Nem  Pilot actuated Pilot actuated  Inscription label holder  Positive overlap  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 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  IP65 With plug socket To IEC 60529  Internal  With flow control option  Detenting via accessory Non-reversible Internal Internal Internal Internal Inscription label holder  Joseph Switching time off 38 ms 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  Internal  Pilot actuated  Internal  Non-reversible  Valve position code  Inscription label holder  38 ms  Switching time on  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
lap 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 ℃50 ℃
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-8
Pneumatic connection, port 2	QS-8
Pneumatic connection, port 3	G1/4
Pneumatic connection, port 4	QS-8
Pneumatic connection, port 5	G1/4
Note on materials	RoHS-compliant
Material seals	NBR
Material housing	Die-cast aluminium