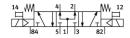
Solenoid valve CPE24-M3H-5/3B-QS-12 Part number: 170353

FESTO





General operating condition

Data sheet

Type of actuation Electric Construction width 24 mm Standard nominal flow rate (standardised to DIN 1343) 1600 l/min pneumatic working port QS-12 Operating voltage 220V AC Operating pressure 0.25 MPa 1 MPa Operating pressure 1.5 have been private value and private value and provided ano	Feature	Value
Construction width Standard nominal flow rate (standardised to DIN 1343) 1600 l/min pneumatic working port QS-12 Operating prossure Operating pressure Piston gate valve Type of reset Mechanical spring Cet mark (see declaration of conformity) Cettificate issuing authority DNV-TAA000032X UL MH19-82 Degree of protection With flow control options Sealing principle Soft Mounting position Manual override Detenting via accessory Non-detenting Pilot air supply Internal Flow direction Non-reversible Symbol Ooyerlap Switching time on Daty cycle Max. positive test pulse with 0 signal Max. negative test pulse with 0 signal Max. negative test pulse with 1 signal	Valve function	5/3-way, pressurised
Standard nominal flow rate (standardised to DIN 1343) pneumatic working port Operating yoltage 230V AC Operating pressure 0.25 Mar 1 MPa Operating pressure 2.5 bar 10 bar Design Piston gate valve Type of reset Mechanical spring Cartificate Design (1) Manual override Design (2) Month operating pressure Design (2) Divide design (2) Divide design (3) Design (3) Design (4)	Type of actuation	Electric
pneumatic working port Operating voltage 230V AC Operating pressure 0.25 bar 10 bar Design Piston gate valve Type of reset Mechanical spring Approval c UL us - Recognized (OL) Maritime classification CE mark (see declaration of conformity) To EU Low Voltage Directive UKCA marking (see declaration of conformity) To UK regulations for electrical equipment Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection Pies With plug socket To ICE 06529 Nominal size 11 mm Exhaust-air function Soft Mounting position Optional Manual override Detenting via accessory Non-detenting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Symbol Oo991034 Valve position code Inscription late lolder Jow Voltage Max. positive test pulse with 0 signal Max. positive test pulse with 1 signal 3100 µs Max. negative test pulse with 1 signal	Construction width	24 mm
Operating voltage 230V AC Operating pressure 0.25 MPa 1 MPa Operating pressure 2.5 bar 10 bar 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 UK regulations for electrical equipment Certificate issuing authority DNN-TAA000032X UL MH19422 Degree of protection PF5 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 Dretting Pilot actuated Non-detenting Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Symbol 00991034 Valve position code Inscription label holder Iap Overlap Switching time of 55 ms Switching time on 25 ms Duty cycle 1000000000000000000000000000000000000	Standard nominal flow rate (standardised to DIN 1343)	1600 l/min
Operating pressure Operating pressure 2.5 bar 10 bar Design Piston gate valve Type of reset Approval CL u. s - Recognized (OL) Maritime classification CE mark (see declaration of conformity) To EU Low Voltage Directive UKCA marking (see declaration of conformity) To UK regulations for electrical equipment Certificate issuing authority UKCA marking (see of protection URCA marking (see of protection Pesson To UK regulations for electrical equipment Certificate issuing authority UI MH19482 Degree of protection Pesson With plug socket To IEC 60529 Nominal size 11 mm Exhaust-air function Sealing principle Soft Mounting position Optional Manual override Detenting via accessory Non-detenting Type of piloting Pilot acruated Pilot air supply Internal Flow direction Non-reversible Symbol O0991034 Valve position code Inscription label holder Iap Overlap Switching time off S5 ms Switching time on 25 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal	pneumatic working port	QS-12
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Design Piston gate valve Type of reset Mechanical spring Approval CL us - Recognized (OL) Maritime classification See certificate CE mark (see declaration of conformity) To EU Low Voltage Directive UKCA marking (see declaration of conformity) To UK regulations for electrical equipment Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection Pies of protection Pies of protection Pies of protection With plug socket To IEC 60529 Nominal size 11 mm Exhaust-air function Sealing principle Soft Mounting position Optional Manual override Detenting via accessory Non-detenting Pilot air supply Internal Flow direction Non-reversible Symbol Valve position code Inscription label holder Iap Overlap Switching time on Duty cycle Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Max. negative test pulse with 1 signal Pilot us customer and the search of t	Operating pressure	0.25 MPa 1 MPa
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Certificate issuing authority DNV-TAA000032X UL MH19482 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 Non-reversible Symbol Valve position code Inscription label holder Iap Overlap Switching time off 55 ms Switching time on 25 ms Duty cycle Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal DNV-TAA000032X UL MH19482 IP65 With plug socket To IEC 60529 Noth Hold Non-revension Non-reversion Optional Internal Internal Internal Inscription label holder Joverlap Switching time on 25 ms Duty cycle 3300 µs Max. negative test pulse with 0 signal 3100 µs	CE mark (see declaration of conformity)	To EU Low Voltage Directive
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Sealing principle Mounting position Manual override Detenting via accessory Non-detenting Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Symbol Oo991034 Valve position code Inscription label holder lap Overlap Switching time off 55 ms Switching time on Duty cycle Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Optional Detenting via accessory Non-detenting Pilot accusated Non-reversible Non-reversible Some-reversible Some-reversib	Nominal size	11 mm
Mounting positionoptionalManual overrideDetenting via accessory Non-detentingType of pilotingPilot actuatedPilot air supplyInternalFlow directionNon-reversibleSymbol00991034Valve position codeInscription label holderlapOverlapSwitching time off55 msSwitching time on25 msDuty cycle100%Max. positive test pulse with 0 signal3300 μsMax. negative test pulse with 1 signal3100 μs	Exhaust-air function	With flow control option
Manual overrideDetenting via accessory Non-detentingType of pilotingPilot actuatedPilot air supplyInternalFlow directionNon-reversibleSymbol00991034Valve position codeInscription label holderlapOverlapSwitching time off55 msSwitching time on25 msDuty cycle100%Max. positive test pulse with 0 signal3300 μsMax. negative test pulse with 1 signal3100 μs	Sealing principle	Soft
Type of pilotingPilot actuatedPilot air supplyInternalFlow directionNon-reversibleSymbol00991034Valve position codeInscription label holderlapOverlapSwitching time off55 msSwitching time on25 msDuty cycle100%Max. positive test pulse with 0 signal3300 μsMax. negative test pulse with 1 signal3100 μs	Mounting position	optional
Pilot air supply Flow direction Non-reversible Symbol O0991034 Valve position code Inscription label holder lap Overlap Switching time off 55 ms Switching time on 25 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Internal Internal Internal Non-reversible Overlap 55 ms 55 ms 3500 μs	Manual override	
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Valve position code Inscription label holder lap Overlap Switching time off 55 ms Switching time on 25 ms Duty cycle 100% Max. positive test pulse with 0 signal 3300 μs Max. negative test pulse with 1 signal 3100 μs	Flow direction	Non-reversible
lapOverlapSwitching time off55 msSwitching time on25 msDuty cycle100%Max. positive test pulse with 0 signal3300 μsMax. negative test pulse with 1 signal3100 μs	Symbol	00991034
Switching time off 55 ms Switching time on 25 ms Duty cycle 100% Max. positive test pulse with 0 signal 3300 µs Max. negative test pulse with 1 signal 3100 µs	Valve position code	Inscription label holder
Switching time on 25 ms Duty cycle 100% Max. positive test pulse with 0 signal 3300 µs Max. negative test pulse with 1 signal 3100 µs	lap	Overlap
Duty cycle100%Max. positive test pulse with 0 signal3300 μsMax. negative test pulse with 1 signal3100 μs	Switching time off	55 ms
Max. positive test pulse with 0 signal 3300 μs Max. negative test pulse with 1 signal 3100 μs	Switching time on	25 ms
Max. negative test pulse with 1 signal 3100 μs	Duty cycle	100%
	Max. positive test pulse with 0 signal	3300 μs
Characteristic coil data 230 V AC: 50/60 Hz, pick-up power 3.0 VA, holding power 2.4 VA	Max. negative test pulse with 1 signal	3100 μs
	Characteristic coil data	230 V AC: 50/60 Hz, pick-up power 3.0 VA, holding power 2.4 VA

Feature	Value
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 °C 50 °C
Ambient temperature	-5 °C 50 °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-12
Pneumatic connection, port 2	QS-12
Pneumatic connection, port 3	G3/8
Pneumatic connection, port 4	QS-12
Pneumatic connection, port 5	G3/8
Note on materials	RoHS-compliant
Material seals	NBR
Material housing	Die-cast aluminium