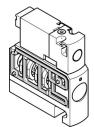
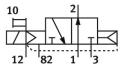
Air solenoid valve CPVSC1-M5H-N-H-Q4O Part number: 547391



Data sheet

Valve function3/2, open, monostableActuation typeElectricalValve size10 mmStandard nominal flow rate170 //minPneumatic working portQS-4Operating voltage12V DCOperating pressure-0.9 MPa0.7 MPa-0.9 bar7 bar-0.9 bar7 barStructural designPiston gate valveReset methodPneumatic springCertificationCU us · Recognized (OL)Degree of protectionIP40Exhaust air functionWithout flow control optionSealing principleSoftMounting positionAnyManual overrideNon-detentingType of controlPilot-controlledPilot pressure0.9 MPa0.7 MPaLapOverlapPilot pressure3 bar7 barSwitching time10 msControlI0 msSoit10 msControl10 msMax, positive test pulse on 1 signal400 µsCoil characteristics12 V DC 1.10 WOperating mediumCompresser air as per ISO 8573-1:2010[7:4:4]Information on operating and pilot mediaOperation medium tievel 2 as per FN 942017-5 and EN 0668-2-62Shock resistanceShock test with severity level 2 as per FN 942017-5 and EN 0668-2-22	Feature	Value
Valve size 10 mm Standard nominal flow rate 170 l/min Pneumatic working port QS-4 Operating voltage 12V DC Operating ressure -0.9 Ma0.7 MPa0.7 MPa0.9 bar7 bar Structural design Piston gate valve Reset method Pneumatic spring Certification Cl Lu s - Recognized (OL) Degree of protection IP40 Exhaust air function Without flow control option Sealing principle Soft Mounting position Any Manual override Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Non-reversible Lap Overlap Pilot pressure MPa 0.3 MPa0.7 MPa On switching time off 10 ms On switching time off 10 ms On switching time off 10 ms Max. positive test pulse on 1 signal 400 µS Coil characteristics 12 V DC: 1.0 W Operating medium Operation with oil lubrication possible (required for further use) Vibration resistance	Valve function	3/2, open, monostable
Standard nominal flow rate170 l/minPneumatic working portQS-4Operating voltage12V DCOperating pressure-0.9 Ma0.7 MPa -0.9 bar7 barStructural designPiston gate valveReset methodPneumatic springCertificationc UL us - Recognized (0L)Degree of protectionIP40Exhaust air functionWithout flow control optionSealing principleSoftManual overrideNon-detentingPiot ontrolPilot-controlledPilot arsupply portExternalFlow directionNon-reversibleLapOverlapPilot pressure3 bar7 barSwitching time off10 msOn switching time off10 msOn switching time off10 msOn switching time off200 µsMax. negative test pulse with 0 signal500 µsMax. negative test pulse with 0 signal00 presseed air as per IS0 8573-1:2010[7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Actuation type	Electrical
Pneumatic working portQS-4Operating voltage12V DCOperating pressure-0.09 MPa0.7 MPa -0.9 bar7 barStructural designPiston gate valveReset methodPneumatic springCertificationc UL us - Recognized (OL)Degree of protectionIP40Exhaust air functionWithout flow control optionSealing principleSoftMounting positionAnyManual overrideNon-detentingType of controlPilot-controlledPilot air supply portExternalFlow direction0.9 withan7 MPaPilot pressure MPa0.3 MPa0.7 MPaPilot pressure MPa3 bar7 barOn switching time off10 msOn suitoring time10 msMax. negative test pulse with 0 signal500 µsMax. negative test pulse on 1 signal400 µsColi characterístics12 V Dc: 1.0 WOperating mediumOperation test with severity level 2 as per FN 942017-4 and FN 96068-2-6	Valve size	10 mm
Operating voltage12V DCOperating pressure-0.09 MPa0.7 MPa -0.9 bar7 barStructural designPiston gate valveReset methodPneumatic springCertificationc UL us - Recognized (0L)Degree of protectionIP40Exhaust air functionWithout flow control optionSealing principleSoftMounting positionAnyManual overrideNon-detentingType of controlPilot-controlledPilot air supply portExternalFlow direction3 bar7 barSwitching time off10 msOn switching time10 msMax, negative test pulse with 0 signal500 µsMax, negative test pulse on 1 signal400 µsColi characteristics12 V Dc: 1.0 WOperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Information on operating and pilot mediaOperaton with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 6068-2-6	Standard nominal flow rate	170 l/min
Operating pressure-0.09 MPa0.7 MPa -0.9 bar7 barStructural designPiston gate valveReset methodPneumatic springCertificationc UL us - Recognized (OL)Degree of protectionIP40Exhaust air functionWithout flow control optionSealing principleSoftMounting positionAnyManual overrideNon-detentingType of controlPilot-controlledPilot pressure MPa0.3 MPa0.7 MPaIlot pressure MPa3 bar7 barSwitching time off10 msOn switching time10 msMax. positive test pulse with 0 signal500 µsMax. negative test pulse with 0 signal400 µsCoil characteristics12 V DC: 1.0 WOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Pneumatic working port	QS-4
-0.9 bar7 barStructural designPiston gate valveReset methodPneumatic springCertificationc UL us - Recognized (OL)Degree of protectionIP40Exhaust air functionWithout flow control optionSealing principleSoftMounting positionAnyManual overrideNon-detentingType of controlPilot-controlledPilot air supply portExternalFlow direction0.9 Bar7 barPilot pessure MPa0.3 MPa0.7 MPaPilot pessure3 bar7 barSwitching time off10 msOn switching time10 msMax. positive test pulse with 0 signal500 µsMax. negative test pulse on 1 signal400 µsCoil characteristics12 V Dc: 1.0 WOperating mediumOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60668-2-6	Operating voltage	12V DC
Reset methodPneumatic springCertificationc UL us - Recognized (OL)Degree of protectionIP40Exhaust air functionWithout flow control optionSealing principleSoftMounting positionAnyManual overrideNon-detentingType of controlPilot-controlledPilot air supply portExternalFlow directionNon-reversibleLapOverlapPilot pressure MPa0.3 MPa0.7 MPaPilot pressure flow10 msOn switching time10 msMax. positive test pulse with 0 signal500 µsMax. negative test pulse on 1 signal400 µsCoil characteristicsOperating mediumCoil characteristicsOperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Information on operating and pilot mediaVibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Operating pressure	
Certificationc UL us - Recognized (OL)Degree of protectionIP40Exhaust air functionWithout flow control optionSealing principleSoftMounting positionAnyManual overrideNon-detentingType of controlPilot-controlledPilot air supply portExternalFlow directionNon-reversibleLapOverlapPilot pressure MPa0.3 MPa0.7 MPaPilot pressure3 bar7 barSwitching time10 msOn switching time500 µsMax. negative test pulse on 1 signal400 µsCoil characteristics02 v DC: 1.0 WOperation modelCompressed air as per ISO 8573-1:2010[7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Structural design	Piston gate valve
Degree of protectionIP40Exhaust air functionWithout flow control optionSealing principleSoftMounting positionAnyManual overrideNon-detentingType of controlPilot-controlledPilot air supply portExternalFlow directionNon-reversibleLapOverlapPilot pressure MPa0.3 MPa0.7 MPaPilot pressure3 bar7 barSwitching time off10 msOn switching time10 msMax. positive test pulse on 1 signal400 µsCoil characteristics12 V DC: 1.0 WOperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Reset method	Pneumatic spring
Exhaust air functionWithout flow control optionSealing principleSoftMounting positionAnyManual overrideNon-detentingType of controlPilot-controlledPilot air supply portExternalFlow directionNon-reversibleLapOverlapPilot pressure MPa0.3 MPa0.7 MPaPilot pressure3 bar7 barSwitching time off10 msOn switching time500 µsMax. negative test pulse with 0 signal500 µsMax. negative test pulse on 1 signal400 µsCoil characteristics12 V DC: 1.0 WOperating mediumOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Certification	c UL us - Recognized (OL)
Sealing principleSoftMounting positionAnyManual overrideNon-detentingType of controlPilot-controlledPilot air supply portExternalFlow directionNon-reversibleLapOverlapPilot pressure MPa0.3 MPa0.7 MPaPilot pressure3 bar7 barSwitching time off10 msOn switching time500 μsMax. negative test pulse with 0 signal500 μsMax. negative test pulse on 1 signal400 μsCoil characteristics12 V DC: 1.0 WOperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Degree of protection	IP40
Mounting positionAnyManual overrideNon-detentingType of controlPilot-controlledPilot air supply portExternalFlow directionNon-reversibleLapOverlapPilot pressure MPa0.3 MPa0.7 MPaPilot pressure MPa3 bar7 barSwitching time off10 msOn switching time500 μsMax. positive test pulse with 0 signal500 μsMax. negative test pulse on 1 signal400 μsCoil characteristics12 V DC: 1.0 WOperating mediumOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Exhaust air function	Without flow control option
Manual overrideNon-detentingType of controlPilot-controlledPilot air supply portExternalFlow directionNon-reversibleLapOverlapPilot pressure MPa0.3 MPa0.7 MPaPilot pressure3 bar7 barSwitching time off10 msOn switching time10 msMax. negative test pulse with 0 signal500 μsMax. negative test pulse on 1 signal400 μsCoil characteristics12 V DC: 1.0 WOperating mediumOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Sealing principle	Soft
Type of controlPilot-controlledPilot air supply portExternalFlow directionNon-reversibleLapOverlapPilot pressure MPa0.3 MPa0.7 MPaPilot pressure3 bar7 barSwitching time off10 msOn switching time10 msMax. negative test pulse with 0 signal500 μsMax. negative test pulse on 1 signal400 μsCoil characteristics12 V DC: 1.0 WOperating mediumOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Mounting position	Any
Pilot air supply portExternalPilot air supply portExternalFlow directionNon-reversibleLapOverlapPilot pressure MPa0.3 MPa0.7 MPaPilot pressure3 bar7 barSwitching time off10 msOn switching time10 msMax. positive test pulse with 0 signal500 μsMax. negative test pulse on 1 signal400 μsCoil characteristics12 V DC: 1.0 WOperating mediumOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Manual override	Non-detenting
Flow directionNon-reversibleLapOverlapPilot pressure MPa0.3 MPa0.7 MPaPilot pressure3 bar7 barSwitching time off10 msOn switching time10 msMax. positive test pulse with 0 signal500 µsMax. negative test pulse on 1 signal400 µsCoil characteristics12 V DC: 1.0 WOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Type of control	Pilot-controlled
LapOverlapPilot pressure MPa0.3 MPa0.7 MPaPilot pressure3 bar7 barSwitching time off10 msOn switching time10 msMax. positive test pulse with 0 signal500 µsMax. negative test pulse on 1 signal400 µsCoil characteristics12 V DC: 1.0 WOperating mediumOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Pilot air supply port	External
Pilot pressure MPa0.3 MPa0.7 MPaPilot pressure3 bar7 barSwitching time off10 msOn switching time10 msMax. positive test pulse with 0 signal500 μsMax. negative test pulse on 1 signal400 μsCoil characteristics12 V DC: 1.0 WOperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Flow direction	Non-reversible
Pilot pressure3 bar7 barSwitching time off10 msOn switching time10 msMax. positive test pulse with 0 signal500 μsMax. negative test pulse on 1 signal400 μsCoil characteristics12 V DC: 1.0 WOperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Lap	Overlap
Switching time off10 msOn switching time10 msMax. positive test pulse with 0 signal500 µsMax. negative test pulse on 1 signal400 µsCoil characteristics12 V DC: 1.0 WOperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Pilot pressure MPa	0.3 MPa0.7 MPa
On switching time10 msMax. positive test pulse with 0 signal500 µsMax. negative test pulse on 1 signal400 µsCoil characteristics12 V DC: 1.0 WOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Pilot pressure	3 bar7 bar
Max. positive test pulse with 0 signal500 µsMax. negative test pulse on 1 signal400 µsCoil characteristics12 V DC: 1.0 WOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Switching time off	10 ms
Max. negative test pulse on 1 signal400 µsCoil characteristics12 V DC: 1.0 WOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	On switching time	10 ms
Coil characteristics 12 V DC: 1.0 W 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) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Max. positive test pulse with 0 signal	500 μs
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) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Max. negative test pulse on 1 signal	400 µs
Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Coil characteristics	12 V DC: 1.0 W
Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
EN 60068-2-6	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	Vibration resistance	
	Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27

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Feature	Value
Corrosion resistance class (CRC)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Temperature of medium	-5 °C50 °C
Ambient temperature	-5 °C50 °C
Product weight	30.5 g
Electrical connection	2-pin Plug
Type of mounting	With through-hole
Pilot exhaust air port 82/84	Common port
Pneumatic connection 1	Common port
Pneumatic connection 2	QS-4
Pneumatic port 3/5 combined	Common port
Pneumatic connection 4	QS-4
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum