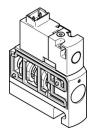
Air solenoid valve CPVSC1-M4H-K-T-M5C

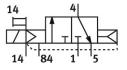
Part number: 547335



Data sheet

Valve function3/2, closed, monostableActuation typeElectricalValve size10 mmStandard nominal flow rate170 l/minPneumatic working portM5Operating voltage5V DCOperating pressure-0.09 MP0.7 MPa-0.9 bm7 bar-0.9 bm7 barStructural designPiston gate valveReset methodPneumatic springCertificationcl Lu s - Recognized (OL)Degree of protectionHP40Structural designSoftMounting positionAnyManual overrideNon-detentingYupe of controlPilot-controlledPilot alr supply portExternalFlow direction0.3 MPa0.7 MPaPilot pressure0.3 MPa0 7 MPaSoftNon-detentingManual overrideNon-detentingPilot pressure MPa0.3 MPa0 7 MPaPilot pressure MPa0.3 MPa0 7 MPaPilot pressure MPa0.3 MPa0 7 MPaOn soltching time offOm sOn subtring time off solgnalSolg usMax. negative test pulse with 0 signalSolg usMax. negative test pulse with 0 signalOperation with oil lubrication possible (required for further use)Max. negative test pulse on 1 signalOperation with oil lubrication possible (required for further use)Vibration resistanceTransport appl	Feature	Value
Valve size 10 mm Standard nominal flow rate 170 l/min Pneumatic working port M5 Operating voltage 5V DC Operating pressure -0.9 MPa0.7 MPa0.7 MPa0.9 par7 bar Structural design Piston gate valve Reset method Pneumatic spring Cortification 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 Row direction Non-reversible Lap Overlap Pilot pressure MPa 0.3 MPa0.7 MPa Switching time off 10 ms On switching time off 10 ms On symite test pulse on 1 signal 400 µS Goil characteristics 5 V DC : 1.0 W Operating medium Operation with oil lubrication possible (required for further use) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and	Valve function	3/2, closed, monostable
Standard nominal flow rate170 l/minPneumatic working portM5Operating voltageSV DCOperating pressure-0.09 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-detentingPito a protectionPilot-controlledPilot ars upply portExternalFlow directionNon-reversibleLapOverlapPilot pressure3 bar7 barSwitching time off10 msOn switching time off10 msOn switching time off00 msOn switching time off00 msOn supplicationSolo upplication test with o signalMax. negative test pulse with 0 signal600 µsOperating mediumOperating mediumOperating mediumOperating pressed air as per IS0 8573-1:2010[7:4:4]Information on operating and pilot mediaOperatin 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 portM5Operating voltage5V 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 direction3 bar7 barSwitching time off10 msOn switching time off10 msOn switching time off10 msOn systive test pulse with 0 signal500 µsMax. negative test pulse on 1 signal400 µsColi characteristics5 V DC : 1.0 WOperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Information on operating and pilot mediaOperation test with severity level 2 as per FN 942017-4 and EN 6068-2-6	Valve size	10 mm
Operating voltage5V 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 direction0.9 WPa0.7 MPaPilot pressure MPa0.3 MPa0.7 MPaPilot pressure MPa10 msOn switching time off10 msMax, negative test pulse on 1 signal400 µsCoil characteristics5 V DC: 1.0 WOperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Information on operating and pilot mediaOperaton 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 ars supply portExternalFlow directionNon-reversibleLapOverlapPilot pressure3 bar7 barSwitching time off10 msOn switching time10 msMax. positive test pulse with 0 signal500 µsMax. negative test pulse on 1 signal400 µsCoil characteristics5 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	Pneumatic working port	M5
-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 direction0.3 MPa0.7 MPaPilot pressure MPa0.3 MPa0.7 MPaPilot pressure3 bar7 barSwitching time off10 msOn switching time500 µsMax. negative test pulse on 1 signal400 µsCoil Laracteristics5 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	Operating voltage	5V 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 ff10 msOn switching time10 msMax. positive test pulse with 0 signal500 µsMax. negative test pulse on 1 signal400 µsCoil 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 time off10 msOn switching time500 µsMax. negative test pulse with 0 signal500 µsMax. negative test pulse on 1 signal400 µsCoil characteristicsOperating mediumOperating 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	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 characteristics5 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. positive test pulse with 0 signal500 µsMax. negative test pulse on 1 signal400 µsCoil characteristics5 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 characteristics5 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 time10 msMax. positive test pulse with 0 signal500 μsMax. negative test pulse on 1 signal400 μsCoil characteristics5 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	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 characteristics5 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. positive test pulse with 0 signal500 µsMax. negative test pulse on 1 signal400 µsCoil characteristics5 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 characteristics5 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 characteristics5 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 characteristics5 V DC: 1.0 WOperating mediumOperating and pilot mediaVibration 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 characteristics5 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 characteristics5 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 characteristics5 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 characteristics5 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 characteristics5 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 characteristics5 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 5 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	5 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

FESTO



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	M5
Pneumatic port 3/5 combined	Common port
Pneumatic connection 4	M5
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum