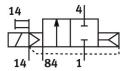
## Air solenoid valve CPVSC1-M1H-D-T-M5C

**FESTO** 

Part number: 547273





## **Data sheet**

General operating condition

Valve size 10 mm  Standard nominal flow rate 150 l/min  Pneumatic working port M5  Operating pressure 24V DC  Operating pressure -0.09 MPa 0.7 MPa  Operating pressure 9.9 bit on gate valve  Reset method Pneumatic spring Person 1P40  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  Symbol 09991057  Lap 00991057  Lap 00991057  Switching time off 0 ms  Max. positive test pulse with 0 signal 400 µs  Anx. negative test pulse with 0 signal 400 µs  Coil characteristics 24 V DC: 1.0 W  Operating pressure V D.09 MPa 0.7 MPa 12 pilot feet for further use)  Extending medium Compressed air as per ISO 8573-1:2010 [7:4:4]  Operating voltage 12 pilot feet with severity level 2 as per FN 942017-4 and EN 6068-2-6  Exhaust air function test with severity level 2 as per FN 942017-4 and EN 6068-2-6  Exhaust air function test with severity level 2 as per FN 942017-4 and EN 6068-2-6  Exhaust air function test with severity level 2 as per FN 942017-4 and EN 6068-2-6  Exhaust air function some pressure with severity level 2 as per FN 942017-4 and EN 6068-2-6  Exhaust air function some pressure with severity level 2 as per FN 942017-4 and EN 6068-2-6  Exhaust air function some pressure function possible (required for further use)  Exhaust air function and pilot media of the function possible (required for further use)  Exhaust air function and pilot media of the function possible (required for further use)  Exhaust air function and pilot media of the function possible (required for further use)	Feature	Value
Valve size 10 mm  Standard nominal flow rate 150 l/min  Pneumatic working port M5  Operating yoltage 24V DC  Operating yoltage	Valve function	2/2, closed, monostable
Standard nominal flow rate 150 l/min Pneumatic working port M5 Operating pressure -0.09 MPa 0.7 MPa Operating pressure -0.99 bar 7 bar Structural design Piston gate valve Reset method Pneumatic spring Degree of protection PiP40 Exhaust air function Without flow control option Sealing principle Soft Mounting position Any Manual override Determine Non-detenting Type of control Pilot controlled Pilot air supply port External Flow direction Non-reversible Symbol 00991057 Lap Overlap Pilot pressure MPa 0.3 MPa 0.7 MPa Pilot pressure MPa 0.3 MPa 0.7 MPa Switching time off 0 no switching time off 1 no ms Max. positive test pulse with 0 signal 400 µs Coil characteristics 24 V DC: 1.0 W Operating medium Competating and pilot media Operation with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Cares (CRC) 1-Low Corrosion stress Curbos (PMS) Conformity V VDMA24364-B2-L	Actuation type	Electrical
Pneumatic working port     M5       Operating voltage     24V DC       Operating pressure     -0.9 MPa0.7 MPa       Operating pressure     -0.9 bar 7 bar       Structural design     Piston gate valve       Reset method     Pneumatic spring       Degree of protection     IP40       Exhaust air function     Without flow control option       Sealing principle     Soft       Mounting position     Any       Manual override     Detenting       Non-detenting     Non-detenting       Type of control     Pilot-controlled       Pilot air supply port     External       Flow direction     Non-reversible       Symbol     00991057       Lap     Overlap       Pilot pressure MPa     0.3 MPa 0.7 MPa       Pilot pressure     3 bar 7 bar       Switching time off     10 ms       Max. postive test pulse with 0 signal     500 μs       Max. negative test pulse on 1 signal     400 μs       Coil characteristics     24 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 942017-5 and EN 60068-2-6	Valve size	10 mm
Operating voltage 24V DC Operating pressure -0.09 MPa 0.7 MPa Operating pressure -0.9 bar 7 bar Structural design Piston gate valve Reset method Pneumatic spring Degree of protection IP40 Exhaust air function Without flow control option Sealing principle Soft Mounting position Any Manual override Detenting Non-detenting Tipe of control Pilot-controlled Pilot air supply port External Flow direction Non-reversible Symbol 00991057 Lap Overlap Pilot pressure MPa 0.3 MPa 0.7 MPa Pilot pressure MPa 0.3 MPa 0.7 MPa Pilot pressure MPa 10 ms On switching time off 10 ms On switching time off 10 ms Max. positive test pulse with 0 signal 400 µs Max. positive test pulse on 1 signal 400 µs Max. negative test pulse on 1 signal 400 µs Max. negative test pulse on 1 signal 400 µs Coil characteristics 24 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 FNO Schock rest with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Class (CRC) 1-Low corrosion stress	Standard nominal flow rate	150 l/min
Operating pressure Operating medium Operating medium Operating medium Operating medium Operating medium Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating medium Operating nedium Operating nedium Operating nedium Operating pressure Operating p	Pneumatic working port	M5
Operating pressure  Operating pressure  Piston gate valve Reset method  Pneumatic spring  Degree of protection  Exhaust air function  Without flow control option  Sealing principle  Soft  Mounting position  Manual override  Detenting Non-detenting  Type of control  Pilot controlled  Pilot air supply port  External  Flow direction  Non-reversible  Symbol  Ooyerlap  Pilot pressure MPa  Pilot pressure  3 bar 7 bar  Switching time off  On switching time  Max. negative test pulse with 0 signal  Max. agative test pulse with 0 signal  Max. agative test pulse on 1 signal  Coil characteristics  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Information on operating and pilot media  Operation resistance  Transport application test with severity level 2 as per FN 942017-5 and EN 60068-2-27  Corrosion resistance  Corrosion resistance  Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27  Corrosion resistance  Corrosion resistance class (CRC)  1 - Low corrosion stress	Operating voltage	24V DC
Structural design Piston gate valve  Reset method Pneumatic spring  Degree of protection IP40  Exhaust air function Without flow control option  Sealing principle Soft  Mounting position Any  Manual override Detenting Non-detenting  Type of control Pilot-controlled  Pilot air supply port External Flow direction Non-reversible  Symbol 00991057  Lap Overlap  Pilot pressure MPa 0.3 MPa 0.7 MPa  Pilot pressure 3 bar 7 bar  Switching time off 10 ms  On switching time off 10 ms  Max. positive test pulse with 0 signal 400 µs  Coil characteristics 24 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 Shock resistance  Shock resistance Shock resistance Shock promiting timese (RCC)  1 - Low corrosion stress  VDMA24364-82-L	Operating pressure	-0.09 MPa 0.7 MPa
Reset method Pneumatic spring Degree of protection IP40  Exhaust air function Without flow control option  Sealing principle Soft  Mounting position Any  Manual override Detenting Non-detenting Type of control Pilot-controlled  Pilot air supply port External Flow direction Non-reversible Symbol 00991057  Lap Overlap Pilot pressure MPa 0.3 MPa 0.7 MPa Pilot pressure MPa 10 ms Switching time off 10 ms On switching time off 10 ms Ax. pogative test pulse with 0 signal 400 µs  Coil characteristics 24 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 Shock resistance  Shock resistance Shock resistance Shock remitting times with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 1- Low corrosion stress VDMA24364-B2-L	Operating pressure	-0.9 bar 7 bar
Degree of protection  Exhaust air function  Without flow control option  Sealing principle  Soft  Mounting position  Any  Manual override  Detenting Non-detenting Non-detenting Pilot-controlled  Pilot air supply port  External  Flow direction  Non-reversible  Symbol  Lap  Overlap  Pilot pressure MPa  O.3 MPa 0.7 MPa  Pilot pressure  3 bar 7 bar  Switching time off  On switching time  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  Querating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Information on operating and pilot media  Operation resistance  Shock resistance  Shock resistance  Shock resistance class (CRC)  LASS  VDMA24364-B2-L	Structural design	Piston gate valve
Exhaust air function  Sealing principle  Soft  Mounting position  Any  Manual override  Detenting Non-detenting Non-detenting Pilot-controlled  Pilot air supply port  External  Flow direction  Non-reversible  Symbol  Lap  Overlap  Pilot pressure MPa  O,3 MPa 0.7 MPa  3 bar 7 bar  Switching time off  On switching time  Max. positive test pulse on 1 signal  Coil characteristics  24 V DC: 1.0 W  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Information on operating and pilot media  Vibration resistance  Shock resistance  Shock resistance  Shock resistance (CRC)  Lap  Vibration resistance class (CRC)  Lap  Outening  Non-reversible  Soft  Any  Mon-reversible  Overlap  Overla	Reset method	Pneumatic spring
Sealing principle  Soft  Mounting position  Any  Manual override  Detenting Non-detenting  Type of control  Pilot-controlled  Flow direction  Symbol  Lap  Overlap  Pilot pressure MPa  Pilot pressure  3 bar 7 bar  Switching time off  On switching time  10 ms  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  Querating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Information on operating and pilot media  Vibration resistance  Shock resistance  Shock resistance  Shock resistance  Shock resistance class (CRC)  1 - Low corrosion stress  VDMA24364-B2-L  Detenting  Any  Any  Detenting Nny  Any  Detenting Nny  Detenting Nny  Detenting Nny  Any  Detenting Nny  Detenting Nny  Any  Deversible  Detenting Nny  Any  Deversible  Detenting Nny  Detenting Nny  Deversible  Deversible  Detenting Nny  Detenting Nny  Deversible  Deversible  Detenting Nny  Detenting Nny  Deversible  Deversible  Detenting Nny  Deversible  Deversible  Deversible  Deversible  Detenting Nny  Deversible  Dev	Degree of protection	IP40
Mounting positionAnyManual overrideDetenting Non-detentingType of controlPilot-controlledPilot air supply portExternalFlow directionNon-reversibleSymbol00991057LapOverlapPilot pressure MPa0.3 MPa 0.7 MPaPilot pressure3 bar 7 barSwitching time off10 msOn switching time10 msMax. positive test pulse with 0 signal500 μsMax. negative test pulse on 1 signal400 μsCoil characteristics24 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 resistanceShock test with severity level 2 as per FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 as per FN 942017-5 and EN 60068-2-27Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B2-L	Exhaust air function	Without flow control option
Manual override       Detenting Non-detenting         Type of control       Pilot-controlled         Pilot air supply port       External         Flow direction       Non-reversible         Symbol       00991057         Lap       Overlap         Pilot pressure MPa       0.3 MPa 0.7 MPa         Pilot pressure       3 bar 7 bar         Switching time off       10 ms         On switching time       10 ms         Max. positive test pulse with 0 signal       500 μs         Max. negative test pulse on 1 signal       400 μs         Coil characteristics       24 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         Shock resistance       Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27         Corrosion resistance class (CRC)       1 - Low corrosion stress         LABS (PWIS) conformity       VDMA24364-B2-L	Sealing principle	Soft
Non-detenting Type of control Pilot air supply port External Flow direction Non-reversible Symbol O0991057 Lap Overlap Pilot pressure MPa O1.3 MPA 0.7 MPa Pilot pressure Switching time off O1 ms Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics O24 V DC: 1.0 W Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Shock resistance Shock resistance Shock resistance Shock resistance CORTON SHOR SHOR SHOR SHOR SHOR SHOR SHOR SHOR	Mounting position	Any
Filot air supply port  External  Non-reversible  Symbol  Oo991057  Lap  Overlap  Overlap  Pilot pressure MPa  O.3 MPa 0.7 MPa  3 bar 7 bar  Switching time off  10 ms  On switching time  10 ms  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  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  Shock resistance  Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27  Corrosion resistance class (CRC)  1 - Low corrosion stress  LABS (PWIS) conformity  VDMA24364-B2-L	Manual override	
Flow direction  Non-reversible  Symbol  Lap  Overlap  Pilot pressure MPa  Pilot pressure  3 bar 7 bar  Switching time off  10 ms  On switching time  10 ms  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  24 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  Shock resistance  Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27  Corrosion resistance class (CRC)  1 - Low corrosion stress  VDMA24364-B2-L	Type of control	Pilot-controlled
Symbol 00991057  Lap 0verlap  Pilot pressure MPa 0.3 MPa 0.7 MPa  3 bar 7 bar  Switching time off 10 ms  On switching time 10 ms  Max. positive test pulse with 0 signal 500 μs  Max. negative test pulse on 1 signal 400 μs  Coil characteristics 24 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  Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27  Corrosion resistance class (CRC) 1 - Low corrosion stress  LABS (PWIS) conformity VDMA24364-B2-L	Pilot air supply port	External
Overlap  Overland  Overland  Overland  Overland  Overland  Overland  Overland  Overland  Overland  Ov	Flow direction	Non-reversible
Pilot pressure MPa  O.3 MPa 0.7 MPa  3 bar 7 bar  Switching time off  10 ms  On switching time  10 ms  Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  24 V DC: 1.0 W  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Information on operating and pilot media  Vibration resistance  Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6  Shock resistance  Corrosion resistance class (CRC)  1 - Low corrosion stress  VDMA24364-B2-L	Symbol	00991057
Pilot pressure  3 bar 7 bar  Switching time off  10 ms  10 ms  Max. positive test pulse with 0 signal  500 μs  Max. negative test pulse on 1 signal  Coil characteristics  24 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  Shock resistance  Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27  Corrosion resistance class (CRC)  1 - Low corrosion stress  VDMA24364-B2-L	Lap	Overlap
Switching time off 10 ms  On switching time 10 ms  Max. positive test pulse with 0 signal 500 µs  Max. negative test pulse on 1 signal 400 µs  Coil characteristics 24 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  Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27  Corrosion resistance class (CRC) 1 - Low corrosion stress  LABS (PWIS) conformity VDMA24364-B2-L	Pilot pressure MPa	0.3 MPa 0.7 MPa
On switching time10 msMax. positive test pulse with 0 signal500 μsMax. negative test pulse on 1 signal400 μsCoil characteristics24 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 60068-2-6Shock resistanceShock test with severity level 2 as per FN 942017-5 and EN 60068-2-27Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B2-L	Pilot pressure	3 bar 7 bar
Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  Coil characteristics  24 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  Shock resistance  Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27  Corrosion resistance class (CRC)  1 - Low corrosion stress  VDMA24364-B2-L	Switching time off	10 ms
Max. negative test pulse on 1 signal  Coil characteristics  24 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  Shock resistance  Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27  Corrosion resistance class (CRC)  1 - Low corrosion stress  LABS (PWIS) conformity  VDMA24364-B2-L	On switching time	10 ms
Coil characteristics 24 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  Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27  Corrosion resistance class (CRC) 1 - Low corrosion stress  LABS (PWIS) conformity VDMA24364-B2-L	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  Shock resistance  Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27  Corrosion resistance class (CRC)  1 - Low corrosion stress  LABS (PWIS) conformity  VDMA24364-B2-L	Max. negative test pulse on 1 signal	400 μs
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  Shock resistance  Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27  Corrosion resistance class (CRC)  1 - Low corrosion stress  VDMA24364-B2-L	Coil characteristics	24 V DC: 1.0 W
Vibration resistance  Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6  Shock resistance  Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27  Corrosion resistance class (CRC)  1 - Low corrosion stress  LABS (PWIS) conformity  VDMA24364-B2-L	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
EN 60068-2-6  Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27  Corrosion resistance class (CRC) 1 - Low corrosion stress  LABS (PWIS) conformity VDMA24364-B2-L	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC) 1 - Low corrosion stress  LABS (PWIS) conformity VDMA24364-B2-L	Vibration resistance	
LABS (PWIS) conformity VDMA24364-B2-L	Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
	Corrosion resistance class (CRC)	1 - Low corrosion stress
Temperature of medium -5 °C 50 °C	LABS (PWIS) conformity	VDMA24364-B2-L
	Temperature of medium	-5 °C 50 °C

Feature	Value
Ambient temperature	-5 °C 50 °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