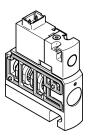
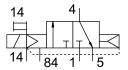
## Air solenoid valve CPVSC1-M5H-K-T-Q4C

Part number: 547375







## **Data sheet**

Actuation type   Electrical   Valve size   10 mm   Standard nominal flow rate   170 l/min   Preumatic working port   QS-4   Operating voltage   12V DC   Operating yorking port   -0.09 MPa0.7 MPa   -0.9 bar7 bar   Structural design   Piston gate valve   Reset method   Pneumatic spring   Certification   c UL us - Recognized (OL)   Degree of protection   IP40   Exhaust air function   Soft   Mounting position   Any   Manual override   Non-detenting   Type of control   Pilot-controlled   Pilot air supply port   External   Flow direction   Non-reversible   Lap   Overlap   Overlap   Overlap   Outsure MPa   0.3 MPa0.7 MPa   Outsure MPa   0.3 MPa0 MPa   Outsure MPa   0.3 MPa   0.3 MPa   Outsure MPa   0.3 MPa   0.3 MPa   Outsure MPa   0.3 MPa	Feature	Value
Valve size 10 mm  Standard nominal flow rate 170 l/min  Pneumatic working port Q5-4  Operating voltage 12V DC  Operating pressure	Valve function	3/2, closed, monostable
Standard nominal flow rate Pneumatic working port QS-4  Operating voltage 12V DC  Operating pressure -0.09 MPa0.7 MPa -0.9 bar7 bar  Structural design Piston gate valve Reset method Pneumatic spring Certification Cut us - Recognized (OL) Degree of protection Exhaust air function Without flow control option Sealing principle Soft Mounting position Any Manual override Non-detenting Pilot-controlled Pilot oritrol Pilot air supply port External Flow direction Lap Overlap Pilot pressure MPa Pilot pressure 3 bar7 bar  Switching time off On switching time 10 ms Ono switching time Max. positive test pulse with 0 signal Max. negative test pulse with 0 signal Mountom operating and pilot media Vibration resistance Tansport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Actuation type	Electrical
Preumatic working port Operating voltage 12V DC Operating pressure -0.09 MPa0.7 MPa -0.9 bar7 bar Operating pressure -0.09 MPa0.7 MPa -0.00 M	Valve size	10 mm
Operating voltage Operating pressure Piston gate valve Reset method Operating pressure Operating medium Operating medium Operating medium Operating pressure operating pressure operating pressure operating pressure Operating pressure Operating medium Operating medium Operating medium operating and pilot media Operation with oil ubrication possible (required for further use) Operation resistance Operation with oil ubrication possible (required for further use) Operation with oil ubrication test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Standard nominal flow rate	170 l/min
Operating pressure -0.09 MPa0.7 MPa -0.9 bar7 bar  Piston gate valve  Reset method Pneumatic spring Cctrification Ct Lu s - Recognized (OL)  Degree of protection Without flow control option  Sealing principle Soft Mounting position Any Manual override Non-detenting Pilot-controlled Pilot air supply port External Flow direction Non-reversible Lap Overlap Overlap Overlap Pilot pressure MPa O .3 MPa0.7 MPa Switching time off On switching time 10 ms  Max. positive test pulse with 0 signal Max. positive test pulse on 1 signal Coil characteristics 12 V DC: 1.0 W Operating medium 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	Pneumatic working port	QS-4
-0.9 bar7 bar  Structural design Piston gate valve  Reset method Pneumatic spring Certification CUL us - Recognized (OL) Degree of protection Without flow control option  Sealing principle Soft Mounting position Any Manual override Non-detenting Pilot-controlled Pilot air supply port External Flow direction Non-reversible Lap Overlap Overlap Pilot pressure MPa On switching time off On switching time Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coll characteristics 12 V DC: 1.0 W Operating medium Information on operating and pilot media Vibration resistance  Piston gate valve UL us - Recognized (OL) Deventing Piston gate valve Recognized (OL) Deventing Piston gate valve Recognized (OL) Deventing Pilot option Cultural recognized (OL) Deventing Divide very recognized (OL) Deventing time 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	Operating voltage	12V DC
Reset method Pneumatic spring Certification c UL us - 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 Pilot pressure MPa 10 ms Switching time off 10 ms Max. positive test pulse with 0 signal 400 µs Coil characteristics 12 V DC: 1.0 W Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Operating pressure	
Certification cUL us · 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 Overlap Pilot pressure MPa 0.3 MPa0.7 MPa Pilot pressure MPa 10 ms Switching time off 10 ms Max. positive test pulse with 0 signal Max. negative test pulse with 0 signal 400 µs 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 test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Structural design	Piston gate valve
Degree of protection 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 On switching time off On switching time Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics Departing 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	Reset method	Pneumatic spring
Exhaust air function  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  O3 MPa0.7 MPa  Pilot pressure  3 bar7 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  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  Vibration resistance  Without flow control option  Soft  Any  Mon-detenting  Pilot-controlled  Pilot	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 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	Degree of protection	IP40
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 O,3 MPa0,7 MPa Pilot pressure 3 bar7 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 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 Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Exhaust air function	Without flow control option
Manual override  Non-detenting Type of control Pilot -controlled Pilot air supply port External Flow direction Non-reversible Lap Overlap Pilot pressure MPa O, 3 MPa0.7 MPa Pilot pressure 3 bar7 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 Max. negative test pulse on 1 signal 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 Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Sealing principle	Soft
Pilot controlled Pilot air supply port External Flow direction Non-reversible Lap Overlap Pilot pressure MPa O.3 MPa0.7 MPa Pilot pressure 3 bar7 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 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 Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Mounting position	Any
Pilot air supply port  External  Non-reversible  Lap  Overlap  Pilot pressure MPa  0.3 MPa0.7 MPa  3 bar7 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  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  Vibration resistance  External  Non-reversible  1. Non-reversible  1. Overlap  0.3 MPa0.7 MPa  3 bar7 bar  10 ms  10 ms  10 ms  10 ms  Compressed in as per ISO 8573-1:2010 [7:4:4]  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Information test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Manual override	Non-detenting
Non-reversible  Lap Overlap Overlap Pilot pressure MPa O.3 MPa0.7 MPa 3 bar7 bar Switching time off On switching time 10 ms On switching time 10 ms Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal 400 μs 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 Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Type of control	Pilot-controlled
Overlap  Overlap  Overlap  O.3 MPa0.7 MPa  3 bar7 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  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  Vibration resistance  Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Pilot air supply port	External
Pilot pressure MPa  0.3 MPa0.7 MPa  3 bar7 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  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  Vibration resistance  Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Flow direction	Non-reversible
Pilot pressure 3 bar7 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 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	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 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	Pilot pressure MPa	0.3 MPa0.7 MPa
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       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	Pilot pressure	3 bar7 bar
Max. positive test pulse with 0 signal  Max. negative test pulse on 1 signal  400 μs  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  Vibration resistance  Transport 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 signal  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	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 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	Coil characteristics	12 V DC: 1.0 W
Vibration resistance Transport 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

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