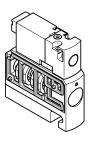
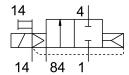
Air solenoid valve CPVSC1-M5H-D-H-M5C

Part number: 547379







Data sheet

Actuation type Electrical Valve size 10 mm Standard nominal flow rate 150 /min Pneumatic working port M5 Operating voltage 12V DC Operating yoltage 12V DC Operating pressure -0.09 MPa0.7 MPa -0.9 bar 7 bar Structural design Piston gate valve 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 Overlap Overlap Overlap Ois witching time off 10 ms Max. positive test pulse with 0 signal 500 µs Max. negative test pulse with 0 signal 400 µs Coil characteristics 12 V DC: 1.0 W 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 Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Feature	Value
Valve size 10 mm Standard nominal flow rate 150 l/min Pneumatic working port M5 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 CUL us - Recognized (Ot) Degree of protection Pl40 Exhaust air function Without flow control option Sealing principle Soft Mounting position Any Manual override Non-detenting Flot controlled Pilot controlled Pilot air supply port External Flow direction Non-reversible Lap Overlap Overlap Overlap Pilot pressure MPa 0.3 MPa0,7 MPa 3 bar7 bar Switching time off 0 ms Ons witching time 10 ms Max. positive test pulse with 0 signal 400 µs Loil characteristics 12 V DC: 1.0 W Operating medium Comperating 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	Valve function	2/2, closed, monostable
Standard nominal flow rate Pneumatic working port Deprating voltage 12V DC Operating pressure -0.09 MPa0.7 MPa -0.9 bar7 bar Structural design Piston gate valve Reset method Pneumatic spring Certification Cult us - Recognized (OL) Degree of protection Exhaust air function Without flow control option Sealing principle Soft Mounting position Any Manual override Non-detenting Pilot air supply port External Flow direction Non-reversible Lap Overlap Pilot pressure MPa Pilot pressure 3 bar7 bar Switching time off 0 on switching time off 0 on switching time 10 ms Max. positive test pulse with 0 signal Max. negative test pulse with 0 signal Morormation on operating and pilot media Witbration resistance Tansport application test with severity level 2 as per FN 942017-4 and EN 66068-2-6	Actuation type	Electrical
Preumatic working port Operating voltage 12V DC Operating pressure -0.9 bar7 bar -0.9 bar7 bar Structural design Reset method Pneumatic spring Certification c UL us - Recognized (OL) Degree of protection IP40 Exhaust air function Sealing principle Soft Mounting position Any Manual override Non-detenting Pilot-controlled Pilot air supply port External Flow direction Non-reversible Lap Overlap Pilot pressure MPa Pilot pressure 3 bar7 bar Switching time off 10 ms Max. positive test pulse with 0 signal Max. negative test pulse with 0 signal Max. negative test pulse with 0 signal Moperating medium Information on operating and pilot media Vibration resistance Tansport application test with severity level 2 as per FN 942017-4 and EN 66068-2-6	Valve size	10 mm
Operating voltage Operating pressure Operating medium Operating medium Operating medium Operating pressure operating pressure operating pressure Operating medium Operating medium Operating medium Operating medium operating and pilot media Operation test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Standard nominal flow rate	150 l/min
Operating pressure -0.09 MPa0.7 MPa -0.9 bar7 bar Piston gate valve Reset method Pneumatic spring Ccrtification culus - Recognized (OL) Degree of protection IP40 Exhaust air function Without flow control option Sealing principle Soft Mounting position Any Manual override Non-detenting Pilot-controlled External Flow direction Non-reversible Lap Diet pressure MPa O.3 MPa0,7 MPa 3 bar7 bar Switching time off On switching time 10 ms Max. positive test pulse on 1 signal 400 µs 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	Pneumatic working port	M5
-0.9 bar7 bar Structural design Piston gate valve Reset method Pneumatic spring Certification CUL us - Recognized (OL) Degree of protection PiP40 Exhaust air function Without flow control option Sealing principle Soft Mounting position Any Manual override Non-detenting Type of control Pilot-controlled 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 On switching time Max. positive test pulse with 0 signal 400 μs Coil characteristics 12 V DC: 1.0 W Operating medium Compressible (required for further use) 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 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	Operating pressure	
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 0.3 MPa0.7 MPa Switching time off 10 ms On switching time 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 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	Structural design	Piston gate valve
Degree of protection Exhaust air function Sealing principle Soft Mounting position Any Manual override Non-detenting Type of control Pilot air supply port External Flow direction Non-reversible Lap Overlap Pilot pressure MPa Pilot pressure Switching time off On switching time Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics Department 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 Pilot-controlled Pilot-controlled Pilot air supply port External Flow direction Lap Overlap Pilot pressure MPa Pilot pressure Switching time off On switching time Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics Deparating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Without flow control option Soft Any Mon-detenting Pilot-controlled Pilot-controlled Pilot-controlled External Non-reversible Overlap Overlap Overlap Os MPa0.7 MPa 3 bar7 bar Switching time off 10 ms Soo µs 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 on operating and pilot media Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Certification	c UL us - Recognized (OL)
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 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	Degree of protection	IP40
Mounting position Any Manual override Non-detenting Type of control Pilot-controlled Pilot-controlled External Flow direction Non-reversible Lap Overlap Pilot pressure MPa O3 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	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-controlled Pilot air supply port External Flow direction 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 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 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 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 section 10 ms Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Manual override	Non-detenting
Non-reversible Lap Overlap Overlap Overlap Overlap O3 MPa0.7 MPa Pilot pressure MPa O3 MPa0.7 MPa Switching time off On switching time On switching	Type of control	Pilot-controlled
Overlap Pilot pressure MPa O.3 MPa0.7 MPa 3 bar7 bar Switching time off On switching time 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 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 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 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	Switching time off	10 ms
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	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	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