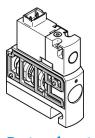
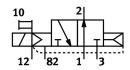
Solenoid valve CPVSC1-M5H-N-T-M5O

FESTO

Part number: 547366





General operating condition

Data sheet

Figure of actuation Electric John	Feature	Value
Alve size 10 mm Standard nominal flow rate 170 l/min Departing yoltage 12V DC Departing yoltage 20-Departing pressure 20-09 MPa 0.7 MPa Departing pressure 20-9 bar 7 bar Design Piston gate valve Proper of reset 20-Departing pressure 20-Departing pressure 20-Departing pressure 30-Departing pressure 3	Valve function	3/2 open, single solenoid
Standard nominal flow rate 170 l/min	Type of actuation	Electric
Anneumatic working port Deperating yoltage 12V DC Operating pressure Operating time on Operating time on Operating time on Operating medium Operating medium Operating medium Operating pressure Operating medium Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Corrosion resistance Operating pressure (Plock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance Operating resistance operating and En 60068-2-27 Corrosion resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27	Valve size	10 mm
Deperating voltage Deperating pressure -0.09 MPa 0.7 MPa -0.9 bar 7 bar Design Piston gate valve Phenumatic spring Cul. us - Recognized (Ot) Degree of protection IP40 Without flow control option Sealing principle Soft Wounting position Wanual override Non-detenting Pilot actuated Spring Pilot grees in usupply External Flow direction Non-reversible Symbol Overlap Pilot pressure 0.3 MPa 0.7 MPa 3 bar 7 bar Switching time off Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Labercatiestic coil data Deperating medium Note on operating and pilot medium Shock resistance Shock resistance Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Etherong Corrosion resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Etherong Corrosion resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Etherong Low corrosion stress	Standard nominal flow rate	170 l/min
Operating pressure -0.9 MPa 0.7 MPa Operating pressure -0.9 bar 7 bar Design Piston gate valve Kype of reset Pneumatic spring Approval CUL us - Recognized (OL) Degree of protection IP40 Exhaust-air function Without flow control option Sealing principle Soft Wounting position optional Manual override Non-detenting Pytope of piloting Pilot actuated Pilot air supply External Flow direction Non-reversible Symbol 00991402 Operating pressure 0.3 MPa 0.7 MPa Pilot pressure 3 bar 7 bar Switching time off 10 ms Switching time on 10 ms Max. positive test pulse with 0 signal 400 μs Max. positive test pulse with 1 signal 400 μs Characteristic coil data 12 V DC: 1.0 W Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Oyle prating medium Compressed air to ISO 8573-1:2010 [7:4:4] Oy	pneumatic working port	M5
Departing pressure Operating pressure Operating pressure Piston gate valve Proper of reset Pressure Pressure Mounting position Manual override Non-detenting Pilot actuated Pilot artuable Symbol Operating Overlap Overlap Overlap Soft Overlap Soft Switching time on Max. positive test pulse with 0 signal Max. acgative test pulse with 1 signal Overlag medium Overe on operating and pilot medium Overloe on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Overloe on resistance Shock resistance Shock resistance Shock resistance Operating pressure Slock on Street Survey level 2 to FN 942017-5 and EN 60068-2-27 Low corrosion resistance class CRC OL Lus - Recognized (OL) OUL - Security Spring Pilot new pressure Operating pressure Out us - Recognized (OL) Out us - Recogniz	Operating voltage	12V DC
Piston gate valve Proposition	Operating pressure	-0.09 MPa 0.7 MPa
Figure of reset Approval CUL us - Recognized (OL) Degree of protection Fixhaust-air function Without flow control option Sealing principle Soft Mounting position Optional Manual override Non-detenting Fiyle of piloting Pilot actuated Pilot air supply External Flow direction Non-reversible Overlap Overlap Pilot pressure O, 3 MPa 0,7 MPa Switching time off Switching time off Switching time on Max. negative test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data Deparating medium Compressed air to ISO 8573-1:2010 [7:4:4] Lubricated operating and pilot medium Lubricated operation test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance	Operating pressure	-0.9 bar 7 bar
Approval c UL us - Recognized (OL) Degree of protection IP40 Exhaust-air function Without flow control option Sealing principle Soft Mounting position optional Manual override Non-detenting Pilot actuated Pilot air supply External Clow direction Non-reversible Symbol 00991402 ap Overlap Pilot pressure 0.3 MPa 0.7 MPa Pilot pressure 3 bar 7 bar Switching time off 10 ms Max. positive test pulse with 0 signal 500 µs Max. negative test pulse with 1 signal 400 µs Characteristic coil data 12 V DC: 1.0 W Deparating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Uniform test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance Class CRC 1- Low corrosion stress	Design	Piston gate valve
Degree of protection IP40 Exhaust-air function Without flow control option Sealing principle Soft Wounting position optional Manual override Non-detenting Fliot actuated Pilot actuated	Type of reset	Pneumatic spring
Exhaust-air function Sealing principle Soft Mounting position Optional Manual override Mounting position Minual override Mono-detenting Pilot actuated Pilot actuated Pilot actuated Pilot actuated External Mono-reversible Mounting position Mono-reversible Overlap Pilot pressure Overlap Overlap Pilot pressure Overlap Ov	Approval	c UL us - Recognized (OL)
Soft Mounting position Manual override Mounting position Manual override Mounting position Manual override Mounting position Mon-detenting Pilot actuated Pilot air supply External Flow direction Non-reversible Symbol O0991402 ap Overlap Pilot pressure O.3 MPa 0.7 MPa Pilot pressure 3 bar 7 bar Switching time off 10 ms Switching time on Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data Department of the signal Vote on operating and pilot medium Vibration resistance Shock resistance Shock resistance Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance 1 - Low corrosion stress	Degree of protection	IP40
Mounting position Manual override Monuting position Pilot actuated Non-reversible Non-reversible Operating Operating Operating mon Monuting position Operating medium Vote on operating and pilot medium Vibration resistance Shock resistance Shock resistance Shock resistance Shock resistance Shock resistance Shock stest with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Shock resistance Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Shock resistance Sho	Exhaust-air function	Without flow control option
Manual override Non-detenting Pilot actuated External Non-reversible Symbol Overlap Pilot pressure O 3 MPa 0.7 MPa Pilot pressure O 10 ms Switching time off Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Allow of the signal of the signa	Sealing principle	Soft
Pilot actuated Pilot air supply External Non-reversible Symbol O0991402 ap Overlap Pilot pressure O3 MPa 0.7 MPa Switching time off Switching time on Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data Deperating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Wibration resistance Shock resistance Shock resistance Shock resistance Shock resistance Corrosion resistance Shock resistance Lub corrosion stress	Mounting position	optional
External Non-reversible Symbol O0991402 ap Overlap Overlap Pilot pressure O.3 MPa 0.7 MPa Switching time off 10 ms Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Vibration resistance Transport application test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock resistance Corrosion resistance class CRC None-polypaper None-polypaper Operating Monor-pressible (in which case In 942017-5 and EN 60068-2-27 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 T- Low corrosion stress	Manual override	Non-detenting
Non-reversible Symbol O0991402 ap Overlap Pilot pressure O.3 MPa 0.7 MPa Switching time off 10 ms Switching time on Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Transport application test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock resistance Corrosion resistance class CRC 1-Low corrosion stress	Type of piloting	Pilot actuated
Symbol 00991402 ap Overlap Overlap Pilot pressure 0.3 MPa 0.7 MPa Switching time off 10 ms Switching time on 10 ms Max. positive test pulse with 0 signal 500 μs Max. negative test pulse with 1 signal 400 μs Characteristic coil data 12 V DC: 1.0 W Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Torrosion resistance class CRC 1- Low corrosion stress	Pilot air supply	External
ap Overlap Pilot pressure 0.3 MPa 0.7 MPa Pilot pressure 3 bar 7 bar Switching time off 10 ms Switching time on 10 ms Max. positive test pulse with 0 signal 500 μs Max. negative test pulse with 1 signal 400 μs Characteristic coil data 12 V DC: 1.0 W Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 1 - Low corrosion stress	Flow direction	Non-reversible
Pilot pressure O.3 MPa 0.7 MPa 3 bar 7 bar Switching time off 10 ms Switching time on 10 ms Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data 12 V DC: 1.0 W Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Wibration resistance Transport application test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance Cass CRC 1 - Low corrosion stress	Symbol	00991402
Pilot pressure Switching time off 10 ms Switching time on 10 ms Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data 12 V DC: 1.0 W Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 1 - Low corrosion stress	lap	Overlap
Switching time off 10 ms Switching time on 10 ms Max. positive test pulse with 0 signal 500 μs Max. negative test pulse with 1 signal 400 μs Characteristic coil data 12 V DC: 1.0 W Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 1- Low corrosion stress	Pilot pressure	0.3 MPa 0.7 MPa
Switching time on 10 ms Max. positive test pulse with 0 signal 500 μs Max. negative test pulse with 1 signal 400 μs Characteristic coil data 12 V DC: 1.0 W Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 1 - Low corrosion stress	Pilot pressure	3 bar 7 bar
Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data 12 V DC: 1.0 W Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 1 - Low corrosion stress	Switching time off	10 ms
Max. negative test pulse with 1 signal 400 μs Characteristic coil data 12 V DC: 1.0 W Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 1 - Low corrosion stress	Switching time on	10 ms
Characteristic coil data 12 V DC: 1.0 W Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 1 - Low corrosion stress	Max. positive test pulse with 0 signal	500 μs
Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 1 - Low corrosion stress	Max. negative test pulse with 1 signal	400 μs
Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Vibration resistance Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 1 - Low corrosion stress	Characteristic coil data	12 V DC: 1.0 W
always be required) Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 1 - Low corrosion stress	Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
60068-2-6 Shock resistance Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 Corrosion resistance class CRC 1 - Low corrosion stress	Note on operating and pilot medium	
Corrosion resistance class CRC 1 - Low corrosion stress	Vibration resistance	
	Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
ABS (PWIS) conformity VDMA24364-B2-L	Corrosion resistance class CRC	1 - Low corrosion stress
	LABS (PWIS) conformity	VDMA24364-B2-L

Feature	Value
Media temperature	-5 ℃ 50 ℃
Ambient temperature	-5 °C 50 °C
Product weight	30.5 g
Electrical connection	2-pin Plugs
Type of mounting	With through-hole
Pilot exhaust port 82/84	Common line
Pneumatic connection, port 1	Common line
Pneumatic connection, port 2	M5
Pneumatic connection 3/5 combined	Common line
Pneumatic connection, port 4	M5
Note on materials	RoHS-compliant
Material seals	NBR
Material housing	Die-cast aluminium