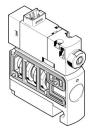
Solenoid valve CPVSC1-M1LH-M-T-M5

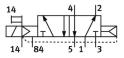
Part number: 547306



Data sheet

Type of actuation Electric Valve size 10 mm Standard nominal flow rate (standardised to DIN 1343) 170 l/min pneumatic working port M5 Operating yoltage 24V DC Operating ressure -0.09 MPa0.7 MPa -0.9 bar7 bar -0.9 bar7 bar Design Piston gate valve Type of rest Pneumatic spring Degree of protection IP40 Exhaust-air function Without flow control option Sealing principle Soft Mounting position optional Manual override Detenting Non-detenting Non-detenting Non-detenting Non-detenting Pilot air supply External Flow direction Non-reversible lap Overlap Signal status display LD Pilot pressure 3 bar7 bar Switching time on 10 ms Characteristic coil data 24 V DC: 1.0 W Operating medium Compressed air to IS0 8573-1:2010 [7:4:4] Note on opera	Feature	Value
Valve size 10 mm Standard nominal flow rate (standardised to DIN 1343) 170 l/min Standard nominal flow rate (standardised to DIN 1343) 170 l/min Operating voltage 24V DC Operating voltage 24V DC Operating pressure -0.9 MPa0.7 MPa -0.9 bar7 bar -0.9 bar7 bar Design Piston gate valve Type of reset Pneumatic spring Degree of protection IP40 Exhaust-air function Without flow control option Sealing principle Soft Mounting position optional Manual override Detenting Non-detenting Vipe of piloting Pilot actuated Pilot air supply External Flow direction Non-reversible Jap Overlap Signal status display LED Pilot pressure 0.3 MPa0.7 MPa	Valve function	5/2-way, monostable
Standard nominal flow rate (standardised to DIN 1343)170 l/minpneumatic working portM5Operating voltage244 DCOperating pressure-0.09 Ma0.7 MPa -0.9 bar DarDesignPiston gate valveType of resetPneumatic springDegree of protectionIP40Exhaust-air functionWithout flow control optionSealing principleSoftMounting positionoptionalManual overrideDetenting Non-detentingPilot air supplyExternalFlow directionNon-reversibleIop positionOverlapSignal status displayLED 3 bar7 MPa 	Type of actuation	Electric
pneumatic working portM5Operating voltage24V DCOperating pressure-0.09 MPa0.7 MPa -0.9 bar7 barDesignPiston gate valveType of resetPneumatic springDegree of protectionIP40Exhaust-air functionWithout flow control optionSealing principleSoftMounting positionoptionalManual overrideDetenting Non-detentingType of pilotingPilot actuatedPilot air supplyExternalFlow directionNon-reversibleJapOverlapSignal status displayLEDPilot pressure0.3 MPa0.7 MPa 3 bar7 barSwitching time onf10 msSwitching time on Characteristic coil data24 V DC: 1.0 WOperating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible [n which case lubricated operation will always be required)Vibration resistanceTransport application test with severity level 2 to FN 942017-6 and EN 60068-2-27	Valve size	10 mm
Operating voltage 24V DC Operating pressure -0.09 MPa0.7 MPa -0.9 bar7 bar -0.9 bar7 bar Design Piston gate valve Type of reset Pneumatic spring Degree of protection IP40 Exhaust-air function Without flow control option Sealing principle Soft Mounting position optional Manual override Detenting Non-detenting Non-detenting Ype of piloting Pilot actuated Pilot air supply External Flow direction Non-reversible lap Overlap Signal status display LED Pilot pressure 0.3 MPa0.7 MPa Switching time off 10 ms Characteristic coil data 24 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 60068-2-27	Standard nominal flow rate (standardised to DIN 1343)	170 l/min
Operating pressure -0.09 MPa0.7 MPa -0.9 bar7 bar Design Piston gate valve Type of preset Pneumatic spring Degree of protection IP40 Exhaust-air function Without flow control option Sealing principle Soft Mounting position optional Manual override Detenting Non-detenting Type of piloting Pilot actuated Pilot ar supply External Flow direction Non-reversible lap Overlap Signal status display LED Pilot pressure 0.3 MPa0.7 MPa 3 bar7 bar Switching time off 10 ms Switching time on 10 ms Characteristic coil data 24 V DC: 1.0 W Operating medium Compressed air to IS0 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 Shock test with severity level 2 to FN 942017-4 and EN 60068-2-6	pneumatic working port	M5
-0.9 bar7 barDesignPiston gate valveType of resetPneumatic springDegree of protectionIP40Exhaust-air functionWithout flow control optionSealing principleSoftMounting positionoptionalManual overrideDetenting Non-detentingType of pilotingPilot actuatedPilot air supplyExternalFlow directionNon-reversiblelapOverlapSignal status displayLEDPilot pressure0.3 MPa0.7 MPa 3 bar7 barSwitching time onf10 msSwitching time on10 msCharacteristic coil data24 V DC: 1.0 WOperating mediumCompressed air to ISO 8573-1:2010[7:4:4]Note on operating and pilot mediumLabricated operation possible (in which case lubricated operation will always be required)Vibration resistanceShock test with severity level 2 to FN 942017-5 and EN 60068-2-27	Operating voltage	24V DC
Type of resetPneumatic springDegree of protectionIP40Exhaust-air functionWithout flow control optionSealing principleSoftMounting positionoptionalManual overrideDetenting Non-detentingType of pilotingPilot actuatedPilot air supplyExternalFlow directionNon-reversiblelapOverlapSignal status displayEEDPilot pressure0.3 MPa0.7 MPa 3 bar7 barSwitching time onf10 msSwitching time on10 msCharacteristic coil data24 V DC: 1.0 WOperating mediumCompressed into ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Vibration resistanceShock test with severity level 2 to FN 942017-4 and EN 60068-2-6	Operating pressure	
Degree of protectionIP40Exhaust-air functionWithout flow control optionSealing principleSoftMounting positionoptionalManual overrideDetenting Non-detentingType of pilotingPilot actuatedPilot arsupplyExternalFlow directionNon-reversiblelapOverlapSignal status displayLEDPilot pressure0.3 MPa0.7 MPa 3 bar7 barSwitching time on10 msCharacteristic coil data24 V DC: 1.0 WOperating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation persible (in which case lubricated operation will always be required)Vibration resistanceShock test with severity level 2 to FN 942017-5 and EN 60068-2-27	Design	Piston gate valve
Exhaust-air functionWithout flow control optionSealing principleSoftMounting positionoptionalManual overrideDetenting Non-detentingType of pilotingPilot actuatedPilot air supplyExternalFlow directionNon-reversiblelapOverlapSignal status displayLEDPilot pressure0.3 MPa0.7 MPa 3 bar7 barSwitching time onff10 msSwitching time on10 msCharacteristic coil data24 V DC: 1.0 WOperating mediumCumpressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumTransport application test with severity level 2 to FN 942017-5 and EN 60068-2-27Shock resistanceShock test with severity level 2 to FN 942017-5 and EN 60068-2-27	Type of reset	Pneumatic spring
Sealing principleSoftMounting positionoptionalManual overrideDetenting Non-detentingType of pilotingPilot actuatedPilot air supplyExternalFlow directionNon-reversiblelapOverlapSignal status displayLEDPilot pressure0.3 MPa0.7 MPa 3 bar7 barSwitching time off10 msSwitching time on10 msCharacteristic coil data24 V DC: 1.0 WOperating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumTransport application test with severity level 2 to FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 to FN 942017-5 and EN 60068-2-27	Degree of protection	IP40
Mounting positionoptionalMounting positionoptionalManual overrideDetenting Non-detentingType of pilotingPilot actuatedPilot air supplyExternalFlow directionNon-reversiblelapOverlapSignal status displayLEDPilot pressure0.3 MPa0.7 MPa 3 bar7 barSwitching time off10 msSwitching time on10 msCharacteristic coil data24 V DC: 1.0 WOperating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Vibration resistanceShock tesist with severity level 2 to FN 942017-5 and EN 60068-2-27	Exhaust-air function	Without flow control option
Manual overrideDetenting Non-detentingType of pilotingPilot actuatedPilot air supplyExternalFlow directionNon-reversiblelapOverlapSignal status displayLEDPilot pressure0.3 MPa0.7 MPa 3 bar7 barSwitching time off10 msSwitching time on10 msCharacteristic coil data24 V DC: 1.0 WOperating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Vibration resistanceTransport application test with severity level 2 to FN 942017-5 and EN 60068-2-27	Sealing principle	Soft
Non-detentingType of pilotingPilot actuatedPilot air supplyExternalFlow directionNon-reversiblelapOverlapSignal status displayLEDPilot pressure0.3 MPa0.7 MPa 3 bar7 barSwitching time off10 msSwitching time on10 msCharacteristic coil data24 V DC: 1.0 WOperating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Vibration resistanceTransport application test with severity level 2 to FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 to FN 942017-5 and EN 60068-2-27	Mounting position	optional
Pilot air supplyExternalPilot air supplyExternalFlow directionNon-reversiblelapOverlapSignal status displayLEDPilot pressure0.3 MPa0.7 MPa 3 bar7 barSwitching time off10 msSwitching time on10 msCharacteristic coil data24 V DC: 1.0 WOperating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Vibration resistanceTransport application test with severity level 2 to FN 942017-5 and EN 60068-2-27	Manual override	
Flow directionNon-reversiblelapOverlapSignal status displayLEDPilot pressure0.3 MPa0.7 MPa 3 bar7 barSwitching time off10 msSwitching time on10 msCharacteristic coll data24 V DC: 1.0 WOperating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Vibration resistanceShock resistanceShock resistanceShock test with severity level 2 to FN 942017-5 and EN 60068-2-27	Type of piloting	Pilot actuated
Iabout and a second s	Pilot air supply	External
Signal status displayLEDPilot pressure0.3 MPa0.7 MPa 3 bar7 barSwitching time off10 msSwitching time on10 msCharacteristic coil data24 V DC: 1.0 WOperating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Vibration resistanceTransport application test with severity level 2 to FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 to FN 942017-5 and EN 60068-2-27	Flow direction	Non-reversible
Pilot pressure0.3 MPa0.7 MPa 3 bar7 barSwitching time off10 msSwitching time on10 msCharacteristic coil data24 V DC: 1.0 WOperating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Vibration resistanceTransport application test with severity level 2 to FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 to FN 942017-5 and EN 60068-2-27	lap	Overlap
3 bar7 barSwitching time off10 msSwitching time on10 msCharacteristic coil data24 V DC: 1.0 WOperating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Vibration resistanceTransport application test with severity level 2 to FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 to FN 942017-5 and EN 60068-2-27	Signal status display	LED
Switching time on10 msCharacteristic coil data24 V DC: 1.0 WOperating mediumCompressed air to ISO 8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Vibration resistanceTransport application test with severity level 2 to FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 to FN 942017-5 and EN 60068-2-27	Pilot pressure	
Characteristic coil data 24 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	Switching time off	10 ms
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	Switching time on	10 ms
Note on operating and pilot mediumLubricated operation possible (in which case lubricated operation will always be required)Vibration resistanceTransport application test with severity level 2 to FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 to FN 942017-5 and EN 60068-2-27	Characteristic coil data	24 V DC: 1.0 W
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	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	Note on operating and pilot medium	
	Vibration resistance	
Corrosion resistance class CRC 1 - Low corrosion stress	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

FESTO



Feature	Value
LABS (PWIS) conformity	VDMA24364-B2-L
Media temperature	-5 ℃50 ℃
Ambient temperature	-5 °C50 °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