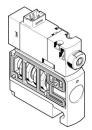
## Solenoid valve CPVSC1-M1LH-K-T-Q3C

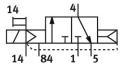
Part number: 547309



## **Data sheet**

Type of actuation     Electric       Valve size     10 mm       Standard nominal flow rate (standardised to DIN 1343)     170 l/min       pneumatic working port     QS-3       Operating yoltage     24 V DC       Operating ressure     -0.09 MPa0.7 MPa       -0.9 bar7 bar     Design       Piston gate valve     Pype of reset       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       Vibro af supply     External       Flow diffection     Non-reversible       lap     Overlap       Signal status display     LED       Pilot pressure     0.3 MPa0.7 MPa       Switching time on     10 ms       Switching time on     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 operat	Feature	Value
Ave10 mmStandard nominal flow rate (standardised to DIN 1343)170 l/minpreumatic working portQS-3Operating voltage24V DCOperating pressure-0.09 MPa0,7 MPa -0.9 bar7 barDesignPiston gate valveType of resetPneumatic springDegreting pressure0 for setDegret of protectionIP40Exhaust-air functionWithout flow control optionSealing principleSoftMounting positionoptionalManual overrideDetenting Non-detentingPilot air supplyExternalFlow directionNon-reversibleIapOverlapSignal status displayLEDPilot pressure0,3 MPa0,7 MPa 3 bar7 barOperating time off10 msSwitching time off10 msSwitching time off10 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 test with severity level 2 to FN 942017-4 and EN Goods-2-27	Valve function	3/2-way, closed, monostable
Standard nominal flow rate (standardised to DIN 1343)170 l/minpneumatic working portQS-3Operating voltage244 DCOperating pressure-0.09 MPa0.7 MPa -0.9 bar DarDesignPiston gate valveType of resetPneumatic springDegret of protectionIP40Exhaust-air functionWithout flow control optionSealing principleSoftMounting positionoptionalManual overrideDetenting Non-detentingPilot air supplyExternalFlow directionNon-reversibleIapOverlapSign status displayLEDPilot pressure0.3 MPa0.7 MPa 3 bar7 barSwitching time off10 msSwitching time off10 msSwitching mediumCompressed air to IS0 8573-1:2010 [7:4:4]Not operating mediumCubricated operation possible (in which case lubricated operation will always be required)Vibration resistanceShort statu sity severity level 2 to FN 942017-4 and EN 60068-2-27	Type of actuation	Electric
pneumatic working portQS-3Operating voltage24V DCOperating 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 off10 msSwitching time off10 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 60068-2-27	Valve size	10 mm
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     Type 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 3 bar7 bar     Switching time off   10 ms     Characteristic coil data   24 V DC     Operating undpilot 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   Shock test with severity level 2 to FN 942017-4 and EN 60068-2-26	Standard nominal flow rate (standardised to DIN 1343)	170 l/min
Operating pressure   -0.09 MPa0.7 MPa     Operating pressure   -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 aris upply   External     Flow direction   Non-reversible     lap   Overlap     Signal status display   LED     Pilot pressure   0.3 MPa0.7 MPa     Switching time off   10 ms     Switching time on   10 ms     Characteristic coil data   24 V DC: 1.0 W     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 60068-2-27	pneumatic working port	QS-3
-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 displayLS MPa0,7 MPa 3 bar7 barSwitching time off10 msSwitching time on10 msCharacteristic coil data24 V DC: 1.0 WOperating mediumCompressed air to IS0 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	Operating voltage	24V DC
Type of resetPneumatic springDegree of protectionIP40Exhaust-air functionWithout flow control optionSealing principleSoftMounting positionoptionalManual overrideDetenting Non-detentingPilot air supplyFilot 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 iro Ito 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	Operating pressure	
Degree of protectionIP40Exhaust-air functionWithout flow control optionSealing principleSoftMounting positionoptionalManual overrideDetenting Non-detentingType of pilotingPilot actuatedPilot aris usplyExternalFlow 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 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	Design	Piston gate valve
ConstructionWithout 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 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 942017-5 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 942017-5 and EN 60068-2-27Shock resistanceShock test with severity level 2 to FN 942017-5 and EN 60068-2-27	Degree of protection	IP40
Mounting positionoptionalMounal 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 test 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 942017-5 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 resistanceShock resistanceShock resistanceShock 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 test with severity level 2 to FN 942017-4 and EN 60068-2-6	Type of piloting	Pilot actuated
IaboveNote of the secondlapOverlapSignal 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	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 ℃50 ℃
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	QS-3
Pneumatic connection 3/5 combined	Common line
Pneumatic connection, port 4	QS-3
Note on materials	RoHS-compliant
Material seals	NBR
Material housing	Die-cast aluminium