

Solenoid valve CPVSC1-M1HT-N-H-Q30

Part number: 548057

FESTO



[General operating condition](#)

Data sheet

| Feature | Value |
|---|--|
| Valve function | 3/2-way, single solenoid, open |
| Type of actuation | Electrical |
| Valve size | 10 mm |
| Standard nominal flow rate (standardised to DIN 1343) | 170 l/min |
| pneumatic working port | QS-3 |
| Operating voltage | 24 V DC |
| Operating pressure | -0.09 MPa ... 0.7 MPa |
| Operating pressure | -0.9 bar ... 7 bar |
| Design | Piston gate valve |
| Type of reset | Pneumatic spring |
| Approval | c UL us - Recognised (Oil) |
| Degree of protection | IP40 |
| Exhaust-air function | Cannot be throttled |
| Sealing principle | Soft |
| Mounting position | Any |
| Manual override | Non-detenting |
| Type of piloting | Piloted |
| Pilot air supply | External |
| Flow direction | Non-reversible |
| Symbol | 00991402 |
| lap | 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 | 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 |
| Corrosion resistance class CRC | 1 - Low corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |

| Feature | Value |
|-----------------------------------|--------------------|
| Media temperature | -5 °C ... 50 °C |
| Ambient temperature | -5 °C ... 50 °C |
| Product weight | 30.5 g |
| Electrical connection | Plug |
| 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 |