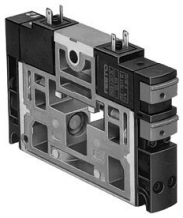
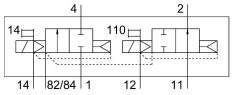
# Solenoid valve
# CPV18-M1H-2OLS-2GLS-1/4

Part number: 187849






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 2x2/2-way, open/closed, monostable |
| Type of actuation | Electric |
| Valve size | 18 mm |
| Standard nominal flow rate (standardised to DIN 1343) | 1600 l/min |
| pneumatic working port | G1/4 |
| Operating voltage | 24V DC |
| Operating pressure | -0.09 MPa...1 MPa<br>-0.9 bar...10 bar |
| Design | Piston gate valve |
| Type of reset | Pneumatic spring |
| Approval | C-Tick |
| Degree of protection | IP65 |
| Nominal size | 8 mm |
| Exhaust-air function | Without flow control option |
| Sealing principle | Soft |
| Mounting position | optional |
| Manual override | Detenting<br>Non-detenting |
| Type of piloting | Pilot actuated |
| Pilot air supply | External<br>Internal |
| Flow direction | Non-reversible |
| lap | Overlap |
| Pilot pressure | 0.3 MPa...0.8 MPa<br>3 bar...8 bar |
| b value | 0.41 |
| C value | 6.3 l/sbar |
| Switching time off | 20 ms |
| Switching time on | 14 ms |
| Duty cycle | 100% |
| Electrical power consumption | 1.5 W |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |

| Feature | Value |
|---|---|
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Storage temperature | -20 °C...40 °C |
| Media temperature | -5 °C...50 °C |
| Ambient temperature | -5 °C...50 °C |
| Product weight | 260 g |
| Type of mounting | With through-hole |
| Pilot air port 12/14 | Common line |
| Pilot exhaust port 82/84 | Common line |
| Pneumatic connection, port 1 | Common line |
| Pneumatic connection, port 11 | Common line |
| Pneumatic connection, port 2 | G1/4 |
| Pneumatic connection 3/5 combined | Common line |
| Pneumatic connection, port 4 | G1/4 |
| Note on materials | RoHS-compliant |
| Material seals | HNBR<br>NBR |
| Material housing | Die-cast aluminium<br>Brass<br>POM<br>PPS<br>Steel |