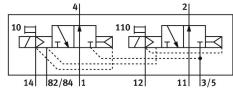
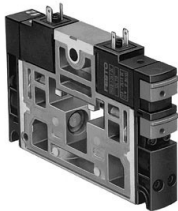


Air solenoid valve

CPV18-M1H-2X3-OLS-1/4

Part number: 163188

FESTO



Data sheet

| Feature | Value |
|------------------------------|---|
| Valve function | 2x3/2, open, monostable |
| Actuation type | Electrical |
| Valve size | 18 mm |
| Standard nominal flow rate | 1600 l/min |
| Pneumatic working port | G1/4 |
| Operating voltage | 24V DC |
| Operating pressure | -0.09 MPa...1 MPa -0.9 bar...10 bar |
| Structural design | Piston gate valve |
| Reset method | Pneumatic spring |
| Certification | C-Tick |
| Degree of protection | IP65 |
| Nominal width | 8 mm |
| Exhaust air function | Without flow control option |
| Sealing principle | Soft |
| Mounting position | Any |
| Manual override | Detenting Non-detenting |
| Type of control | Pilot-controlled |
| Pilot air supply port | External Internal |
| Flow direction | Non-reversible |
| Lap | Overlap |
| Pilot pressure MPa | 0.3 MPa...0.8 MPa |
| Pilot pressure | 3 bar...8 bar |
| b-value | 0.38 |
| C value | 6.3 l/sbar |
| Switching time off | 24 ms |
| On switching time | 18 ms |
| Duty cycle | 100% |
| Electrical power consumption | 1.5 W |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |

| Feature | Value |
|--|--|
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Storage temperature | -20 °C...40 °C |
| Temperature of medium | -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 port |
| Pilot exhaust air port 82/84 | Common port |
| Pneumatic connection 1 | Common port |
| Pneumatic connection 11 | Common port |
| Pneumatic connection 2 | G¼ |
| Pneumatic port 3/5 combined | Common port |
| Pneumatic connection 4 | G1/4 |
| Note on materials | RoHS-compliant |
| Seals material | HNBR NBR |
| Housing material | Die-cast aluminum Brass POM PPS Steel |