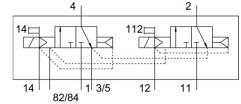
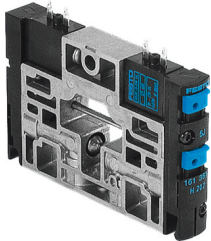


# Air solenoid valve CPV14-M1H-2X3-GLS-1/8

FESTO

Part number: 161362



## Data sheet

| Feature                                  | Value  |
|--|--|
| Valve function                           | 2x3/2, closed, monostable  |
| Actuation type                           | Electrical   |
| Valve size                               | 14 mm  |
| Standard nominal flow rate               | 800 l/min  |
| Pneumatic working port                   | G1/8   |
| Operating voltage                        | 24V DC   |
| Operating pressure                       | -0.09 MPa ... 1 MPa  |
| Operating pressure                       | -0.9 bar ... 10 bar  |
| Structural design                        | Piston gate valve  |
| Reset method                             | Pneumatic spring   |
| Degree of protection                     | IP65   |
| Nominal width                            | 6 mm   |
| Exhaust air function                     | Without flow control option  |
| Sealing principle                        | Soft   |
| Mounting position                        | Any  |
| Manual override                          | Detenting<br>Non-detenting   |
| Type of control                          | Pilot-controlled   |
| Pilot air supply port                    | External<br>Internal   |
| Flow direction                           | Non-reversible   |
| Symbol                                   | 00991808   |
| Lap                                      | Overlap  |
| Pilot pressure MPa                       | 0.3 MPa ... 0.8 MPa  |
| Pilot pressure                           | 3 bar ... 8 bar  |
| b-value                                  | 0.42   |
| C value                                  | 3.2 l/sbar   |
| Switching time off                       | 30 ms  |
| On switching time                        | 24 ms  |
| Duty cycle                               | 100% in combination with holding current reduction                 |
| Electrical power consumption             | 0.65 W   |
| Max. positive test pulse with 0 signal   | 1400 µs  |
| Max. negative test pulse on 1 signal     | 400 µs   |
| Operating medium                         | Compressed air as per ISO 8573-1:2010 [7:4:4]                      |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |

| Feature                          | Value  |
|----------------------------------|--|
| Vibration resistance             | Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 |
| Shock resistance                 | Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27                |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress  |
| Storage temperature              | -20 °C ... 40 °C   |
| Temperature of medium            | -5 °C ... 50 °C  |
| Ambient temperature              | -5 °C ... 50 °C  |
| Product weight                   | 120 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           | G1/8   |
| Pneumatic port 3/5 combined      | Common port  |
| Pneumatic connection 4           | G1/8   |
| Note on materials                | RoHS-compliant   |
| Seals material                   | HNBR<br>NBR  |
| Housing material                 | Die-cast aluminum<br>Brass<br>POM<br>PPS<br>Steel                                    |