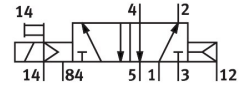


# Air solenoid valve CPV14-M1H-5LS-K-1/8

Part number: 553258

**FESTO**



## Data sheet

| Feature                                           | Value                                              |
|---------------------------------------------------|----------------------------------------------------|
| Valve function                                    | 5/2-way, monostable                                |
| Actuation type                                    | Electrical                                         |
| Valve size                                        | 14 mm                                              |
| Normal nominal flow rate (normalized to DIN 1343) | 800 l/min                                          |
| Pneumatic working port                            | G1/8                                               |
| Operating voltage                                 | 24V DC                                             |
| Operating pressure                                | -0.09 MPa...1 MPa<br>-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                              | Cannot be throttled                                |
| Sealing principle                                 | Soft                                               |
| Mounting position                                 | Any                                                |
| Manual override                                   | Detenting<br>Non-detenting                         |
| Type of control                                   | Piloted                                            |
| Pilot air supply port                             | External<br>Internal                               |
| Flow direction                                    | Non-reversible                                     |
| Lap                                               | Positive 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                                | 35 ms                                              |
| On switching time                                 | 25 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                                             |

| Feature                                  | Value                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------|
| 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)                   |
| 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                                                        |
| 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                           | 120 g                                                                                |
| Type of mounting                         | With through-hole                                                                    |
| Pilot air port 12/14                     | Common connection                                                                    |
| Pilot exhaust air port 82/84             | Common connection                                                                    |
| Pneumatic connection 1                   | Common port with pressure separation                                                 |
| Pneumatic connection 2                   | G1/8                                                                                 |
| Pneumatic port 3/5 combined              | Common connection                                                                    |
| 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                                    |