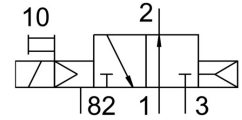


# Air solenoid valve CPE10-M1CH-3OL-M7

Part number: 550235

**FESTO**



## Data sheet

| Feature                                  | Value                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------|
| Valve function                           | 3/2, open, monostable                                                                |
| Maritime classification                  | See certificate                                                                      |
| Lap                                      | Overlap                                                                              |
| Actuation type                           | Electrical                                                                           |
| Width                                    | 10 mm                                                                                |
| Standard nominal flow rate               | 400 l/min                                                                            |
| Pneumatic working port                   | M7                                                                                   |
| Operating voltage                        | 24V DC                                                                               |
| Operating pressure                       | 2.5 bar ... 8 bar                                                                    |
| Design                                   | Piston gate valve                                                                    |
| Reset method                             | Pneumatic spring                                                                     |
| Degree of protection                     | IP65<br>IP67<br>With plug socket<br>as per IEC 60529                                 |
| Nominal width                            | 4 mm                                                                                 |
| Type code                                | CPE10                                                                                |
| Sealing principle                        | Soft                                                                                 |
| Mounting position                        | Any                                                                                  |
| Manual override                          | Detenting via accessory<br>Non-detenting                                             |
| Type of control                          | Pilot-controlled                                                                     |
| Pilot air supply port                    | Internal                                                                             |
| Flow direction                           | Non-reversible                                                                       |
| Symbol                                   | 00991656                                                                             |
| Valve position ID                        | Label holder                                                                         |
| Switching time off                       | 14 ms                                                                                |
| On switching time                        | 14 ms                                                                                |
| Duty cycle                               | 100%                                                                                 |
| Max. positive test pulse with 0 signal   | 1200 µs                                                                              |
| Max. negative test pulse on 1 signal     | 900 µs                                                                               |
| Coil characteristics                     | 24 V DC: 1.28 W                                                                      |
| Permissible voltage fluctuations         | -15 % / +10 %                                                                        |
| 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 |

| Feature                          | Value                                                                 |
|----------------------------------|-----------------------------------------------------------------------|
| 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                                         |
| Temperature of medium            | -5 °C ... 50 °C                                                       |
| Ambient temperature              | -5 °C ... 50 °C                                                       |
| Max. tightening torque plug      | 0.4 Nm                                                                |
| Product weight                   | 40 g                                                                  |
| Electrical connection            | 4-pin<br>M8x1                                                         |
| Type of mounting                 | With through-hole                                                     |
| Pilot exhaust air port 82        | M3                                                                    |
| Pilot air port 12                | M3                                                                    |
| Pneumatic connection 1           | M7                                                                    |
| Pneumatic connection 2           | M7                                                                    |
| Pneumatic connection 3           | M7                                                                    |
| Note on materials                | RoHS-compliant                                                        |
| Seals material                   | NBR                                                                   |
| Housing material                 | Die-cast aluminum                                                     |