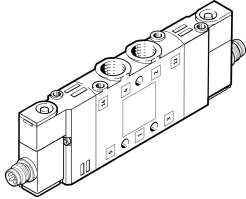


# Air solenoid valve CPE14-M1CH-5JS-1/8

Part number: 550240

FESTO



## Data sheet

| Feature                                | Value  |
|--|--|
| Valve function                         | 5/2, bistable  |
| Actuation type                         | Electrical   |
| Width                                  | 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<br>-0.9 bar...10 bar               |
| Structural design                      | Piston gate valve                                    |
| Maritime classification                | See certificate                                      |
| Certificate issuing authority          | DNV-TAA000032X                                       |
| Degree of protection                   | IP65<br>IP67<br>With plug socket<br>as per IEC 60529 |
| Nominal width                          | 6 mm   |
| Exhaust air function                   | With flow control option                             |
| Sealing principle                      | Soft   |
| Mounting position                      | Any  |
| Manual override                        | Detenting via accessory<br>Non-detenting             |
| Type of control                        | Pilot-controlled                                     |
| Pilot air supply port                  | External   |
| Flow direction                         | Reversible   |
| Valve position ID                      | Label holder   |
| Lap                                    | Overlap  |
| Pilot pressure MPa                     | 0.2 MPa...0.8 MPa                                    |
| Pilot pressure                         | 2 bar...8 bar  |
| Changeover time                        | 12 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                                      |

| Feature                                  | Value  |
|--|--|
| 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 |
| 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  |
| Temperature of medium                    | -5 °C...50 °C  |
| Pilot medium                             | Compressed air as per ISO 8573-1:2010 [7:4:4]  |
| Ambient temperature                      | -5 °C...50 °C  |
| Max. tightening torque plug              | 0.4 Nm   |
| Product weight                           | 115 g  |
| Electrical connection                    | 4-pin<br>M8x1  |
| Type of mounting                         | With through-hole  |
| Pilot exhaust air port 82                | M3   |
| Pilot exhaust air port 84                | M3   |
| Pilot air port 12                        | M3   |
| Pilot air port 14                        | M3   |
| Pneumatic connection 1                   | G1/8   |
| Pneumatic connection 2                   | G1/8   |
| Pneumatic connection 3                   | G1/8   |
| Pneumatic connection 4                   | G1/8   |
| Pneumatic connection 5                   | G1/8   |
| Note on materials                        | RoHS-compliant   |
| Seals material                           | NBR  |
| Housing material                         | Die-cast aluminum  |