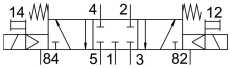
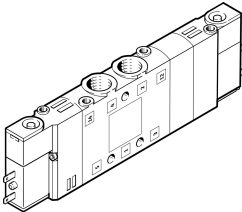


# Air solenoid valve CPE14-M1BH-5/3G-1/8

Part number: 196937



## Data sheet

| Feature                                | Value                                              |
|----------------------------------------|----------------------------------------------------|
| Valve function                         | 5/3, closed                                        |
| Actuation type                         | Electrical                                         |
| Width                                  | 14 mm                                              |
| Standard nominal flow rate             | 750 l/min                                          |
| Pneumatic working port                 | G1/8                                               |
| Operating voltage                      | 24V DC                                             |
| Operating pressure                     | 0.3 MPa...0.8 MPa<br>3 bar...8 bar                 |
| Structural design                      | Piston gate valve                                  |
| Reset method                           | Mechanical spring                                  |
| Certification                          | c UL us - Recognized (OL)                          |
| Maritime classification                | See certificate                                    |
| Certificate issuing authority          | DNV-TAA000032X                                     |
| Degree of protection                   | IP65<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                  | Internal                                           |
| Flow direction                         | Non-reversible                                     |
| Valve position ID                      | Label holder                                       |
| Lap                                    | Overlap                                            |
| Switching time off                     | 42 ms                                              |
| On switching time                      | 20 ms                                              |
| Duty cycle                             | 100% in combination with holding current reduction |
| Max. positive test pulse with 0 signal | 1200 µs                                            |
| Max. negative test pulse on 1 signal   | 900 µs                                             |

| Feature                                  | Value                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------|
| 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 |
| 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                                                                        |
| Ambient temperature                      | -5 °C...50 °C                                                                        |
| Product weight                           | 120 g                                                                                |
| Electrical connection                    | 2-pin                                                                                |
| 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                                                                    |