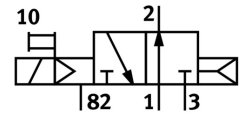
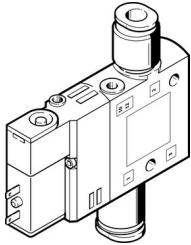


# Air solenoid valve CPE14-M1BH-30L-QS-6

Part number: 196891

FESTO



[PDF General operating condition](#)

## Data sheet

| Feature                                  | Value  |
|--|--|
| Valve function                           | 3/2, open, monostable  |
| Actuation type                           | Electrical   |
| Width                                    | 14 mm  |
| Standard nominal flow rate               | 510 l/min  |
| Pneumatic working port                   | QS-6   |
| Operating voltage                        | 24V DC   |
| Operating pressure                       | 0.25 MPa ... 0.8 MPa   |
| Operating pressure                       | 2.5 bar ... 8 bar  |
| Structural design                        | Piston gate valve  |
| Reset method                             | Pneumatic spring   |
| Certification                            | c UL us - Recognized (OL)  |
| Maritime classification                  | See certificate  |
| Certificate issuing authority            | DNV-TAA000032X<br>UL MH19482                                       |
| Degree of protection                     | IP65<br>With plug socket<br>as per IEC 60529                       |
| Nominal width                            | 6 mm   |
| 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   |
| Lap                                      | Overlap  |
| Switching time off                       | 27 ms  |
| On switching time                        | 16 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   |
| 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) |

| <b>Feature</b>                   | <b>Value</b>   |
|----------------------------------|--|
| 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  |
| Electrical connection            | 2-pin  |
| Type of mounting                 | With through-hole  |
| Pilot exhaust air port 82        | M3   |
| Pilot air port 12                | M3   |
| Pneumatic connection 1           | QS-6   |
| Pneumatic connection 2           | QS-6   |
| Pneumatic connection 3           | G1/8   |
| Note on materials                | RoHS-compliant   |
| Seals material                   | NBR  |
| Housing material                 | Die-cast aluminum  |