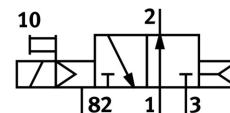
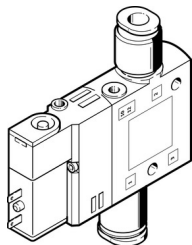


# Solenoid valve CPE14-M1BH-30L-QS-8

Part number: 196892

FESTO



General operating condition

## Data sheet

| Feature                                | Value                                              |
|----------------------------------------|----------------------------------------------------|
| Valve function                         | 3/2 open, single solenoid                          |
| Type of actuation                      | Electric                                           |
| Construction width                     | 14 mm                                              |
| Standard nominal flow rate             | 810 l/min                                          |
| pneumatic working port                 | QS-8                                               |
| Operating voltage                      | 24V DC                                             |
| Operating pressure                     | 0.25 MPa ... 0.8 MPa                               |
| Operating pressure                     | 2.5 bar ... 8 bar                                  |
| Design                                 | Piston gate valve                                  |
| Type of reset                          | Pneumatic spring                                   |
| Approval                               | 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>To IEC 60529           |
| Nominal size                           | 6 mm                                               |
| Sealing principle                      | Soft                                               |
| Mounting position                      | optional                                           |
| Manual override                        | Detenting via accessory<br>Non-detenting           |
| Type of piloting                       | Pilot actuated                                     |
| Pilot air supply                       | Internal                                           |
| Flow direction                         | Non-reversible                                     |
| Symbol                                 | 00991656                                           |
| Valve position code                    | Inscription label holder                           |
| lap                                    | Overlap                                            |
| Switching time off                     | 27 ms                                              |
| Switching time on                      | 16 ms                                              |
| Duty cycle                             | 100% in conjunction with holding current reduction |
| Max. positive test pulse with 0 signal | 1200 µs                                            |
| Max. negative test pulse with 1 signal | 900 µs                                             |
| Characteristic coil data               | 24 V DC: 1.28 W                                    |
| Permissible voltage fluctuations       | -15%/+10%                                          |
| Operating medium                       | Compressed air to ISO 8573-1:2010 [7:4:4]          |

| Feature                            | Value                                                                                      |
|------------------------------------|--------------------------------------------------------------------------------------------|
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Vibration resistance               | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6           |
| Shock resistance                   | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27                          |
| Corrosion resistance class CRC     | 2 - Moderate corrosion stress                                                              |
| LABS (PWIS) conformity             | VDMA24364-B1/B2-L                                                                          |
| Media temperature                  | -5 °C ... 50 °C                                                                            |
| Ambient temperature                | -5 °C ... 50 °C                                                                            |
| Electrical connection              | 2-pin                                                                                      |
| Type of mounting                   | With through-hole                                                                          |
| Pilot exhaust port 82              | M3                                                                                         |
| Pilot air port 12                  | M3                                                                                         |
| Pneumatic connection, port 1       | QS-8                                                                                       |
| Pneumatic connection, port 2       | QS-8                                                                                       |
| Pneumatic connection, port 3       | G1/8                                                                                       |
| Note on materials                  | RoHS-compliant                                                                             |
| Material seals                     | NBR                                                                                        |
| Material housing                   | Die-cast aluminium                                                                         |