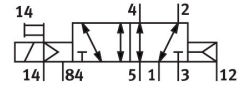


# Air solenoid valve CPE18-M1H-5LS-QS-8

Part number: 163154

**FESTO**



## Data sheet

| Feature                       | Value  |
|-------------------------------|--|
| Valve function                | 5/2, monostable                              |
| Actuation type                | Electrical                                   |
| Width                         | 18 mm  |
| Standard nominal flow rate    | 850 l/min                                    |
| Pneumatic working port        | QS-8   |
| Operating voltage             | 24V DC                                       |
| Operating pressure            | -0.09 MPa...1 MPa<br>-0.9 bar...10 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                 | 8 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            | 0.25 MPa...1 MPa                             |
| Pilot pressure                | 2.5 bar...10 bar                             |
| Switching time off            | 20 ms  |
| On switching time             | 26 ms  |
| Duty cycle                    | 100%   |

| Feature                                  | Value  |
|--|--|
| Max. positive test pulse with 0 signal   | 3300 µs  |
| Max. negative test pulse on 1 signal     | 3100 µs  |
| Coil characteristics                     | 24 V DC: 1.5 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  |
| Pilot medium                             | Compressed air as per ISO 8573-1:2010 [7:4:4]  |
| Ambient temperature                      | -5 °C...50 °C  |
| Electrical connection                    | Form C   |
| Type of mounting                         | With through-hole  |
| Pilot exhaust air port 82                | M5   |
| Pilot exhaust air port 84                | M5   |
| Pilot air port 12                        | M5   |
| Pilot air port 14                        | M5   |
| Pneumatic connection 1                   | QS-8   |
| Pneumatic connection 2                   | QS-8   |
| Pneumatic connection 3                   | G1/4   |
| Pneumatic connection 4                   | QS-8   |
| Pneumatic connection 5                   | G1/4   |
| Note on materials                        | RoHS-compliant   |
| Seals material                           | NBR  |
| Housing material                         | Die-cast aluminum  |