

# Solenoid valve CPE24-M1H-5J-3/8

Part number: 163167

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | 5/2 bistable   |
| Type of actuation                                     | Electric   |
| Construction width                                    | 24 mm  |
| Standard nominal flow rate (standardised to DIN 1343) | 3200 l/min   |
| pneumatic working port                                | G3/8   |
| Operating voltage                                     | 24V DC   |
| Operating pressure                                    | 0.2 MPa ... 1 MPa  |
| Operating pressure                                    | 2 bar ... 10 bar   |
| Design  | Piston gate valve  |
| 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  | 11 mm  |
| Exhaust-air function                                  | With flow control option   |
| 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  | 00991013   |
| Valve position code                                   | Inscription label holder   |
| lap   | Overlap  |
| Switching time reversal                               | 25 ms  |
| Duty cycle  | 100%   |
| Max. positive test pulse with 0 signal                | 3300 µs  |
| Max. negative test pulse with 1 signal                | 3100 µs  |
| Characteristic coil data                              | 24 V DC: 1.5 W   |
| Permissible voltage fluctuations                      | -15%/+10%  |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| Note on operating and pilot medium                    | Lubricated operation possible (in which case lubricated operation will always be required) |

| <b>Feature</b>                 | <b>Value</b>   |
|--------------------------------|--|
| 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  |
| Product weight                 | 390 g  |
| Electrical connection          | Type C   |
| Type of mounting               | With through-hole  |
| Pilot exhaust port 82          | M5   |
| Pilot exhaust port 84          | M5   |
| Pilot air port 12              | M5   |
| Pilot air port 14              | M5   |
| Pneumatic connection, port 1   | G3/8   |
| Pneumatic connection, port 2   | G3/8   |
| Pneumatic connection, port 3   | G3/8   |
| Pneumatic connection, port 4   | G3/8   |
| Pneumatic connection, port 5   | G3/8   |
| Note on materials              | RoHS-compliant   |
| Material seals                 | NBR  |
| Material housing               | Die-cast aluminium   |