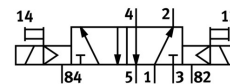


# Solenoid valve CPE24-M1H-5J-3/8

Part number: 163167

FESTO



 General operating condition

## Data sheet

| Feature                                | Value                                                                                      |
|----------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                         | 5/2 double solenoid                                                                        |
| Type of actuation                      | Electric                                                                                   |
| Construction width                     | 24 mm                                                                                      |
| Standard nominal flow rate             | 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) |

| Feature                        | Value                                                                            |
|--------------------------------|----------------------------------------------------------------------------------|
| 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                                                               |