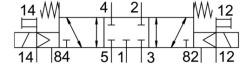
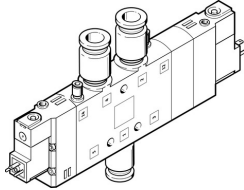


# Air solenoid valve CPE24-M1H-5/3GS-QS-12

Part number: 170278

**FESTO**



## Data sheet

| Feature                                | Value                                         |
|----------------------------------------|-----------------------------------------------|
| Valve function                         | 5/3, closed                                   |
| Maritime classification                | See certificate                               |
| Lap                                    | Overlap                                       |
| Actuation type                         | Electrical                                    |
| Width                                  | 24 mm                                         |
| Standard nominal flow rate             | 1650 l/min                                    |
| Pneumatic working port                 | QS-12                                         |
| Operating voltage                      | 24V DC                                        |
| Operating pressure                     | -0.9 bar ... 10 bar                           |
| Design                                 | Piston gate valve                             |
| Reset method                           | Mechanical spring                             |
| Degree of protection                   | IP65<br>With plug socket<br>as per IEC 60529  |
| Certification                          | c UL us - Recognized (OL)                     |
| Nominal width                          | 11 mm                                         |
| Type code                              | CPE24                                         |
| 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                                    |
| Symbol                                 | 00991020                                      |
| Valve position ID                      | Label holder                                  |
| Pilot pressure                         | 2.5 bar ... 10 bar                            |
| Switching time off                     | 55 ms                                         |
| On switching time                      | 25 ms                                         |
| Duty cycle                             | 100%                                          |
| 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] |

| Feature                                  | Value                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------|
| 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                                                        |
| 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-12                                                                                |
| Pneumatic connection 2                   | QS-12                                                                                |
| Pneumatic connection 3                   | G3/8                                                                                 |
| Pneumatic connection 4                   | QS-12                                                                                |
| Pneumatic connection 5                   | G3/8                                                                                 |
| Note on materials                        | RoHS-compliant                                                                       |
| Seals material                           | NBR                                                                                  |
| Housing material                         | Die-cast aluminum                                                                    |