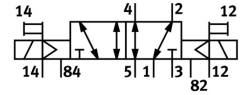
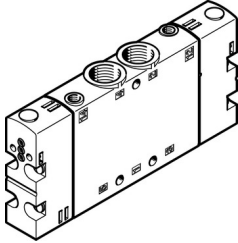


# Basic valve CPE18-P1-5JS-1/4

Part number: 550156

**FESTO**



 General operating condition

## Data sheet

| Feature                                    | Value                                                                                      |
|--------------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                             | 5/2 double solenoid                                                                        |
| Type of actuation                          | Via pilot interface to ISO 15218                                                           |
| Construction width                         | 18 mm                                                                                      |
| Standard nominal flow rate                 | 1500 l/min                                                                                 |
| pneumatic working port                     | G1/4                                                                                       |
| Operating pressure                         | -0.09 MPa ... 1 MPa                                                                        |
| Operating pressure                         | -0.9 bar ... 10 bar                                                                        |
| Design                                     | Piston gate valve                                                                          |
| Approval                                   | c UL us - Recognized (OL)                                                                  |
| Maritime classification                    | See certificate                                                                            |
| CE mark (see declaration of conformity)    | To EU Low Voltage Directive                                                                |
| CE marking (see declaration of conformity) | To UK regulations for electrical equipment                                                 |
| Certificate issuing authority              | DNV-TAA000032X<br>UL MH19482                                                               |
| Nominal size                               | 8 mm                                                                                       |
| Exhaust-air function                       | With flow control option                                                                   |
| Sealing principle                          | Soft                                                                                       |
| Mounting position                          | optional                                                                                   |
| Manual override                            | Non-detenting                                                                              |
| Type of piloting                           | Pilot actuated                                                                             |
| Pilot air supply                           | External                                                                                   |
| Flow direction                             | Reversible                                                                                 |
| Symbol                                     | 00991016                                                                                   |
| Valve position code                        | Inscription label holder                                                                   |
| lap                                        | Overlap                                                                                    |
| Pilot pressure                             | 0.2 MPa ... 1 MPa                                                                          |
| Pilot pressure                             | 2 bar ... 10 bar                                                                           |
| Switching time reversal                    | 15 ms                                                                                      |
| Duty cycle                                 | 100%                                                                                       |
| Max. positive test pulse with 0 signal     | 3300 µs                                                                                    |
| Max. negative test pulse with 1 signal     | 3100 µs                                                                                    |
| 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                                                                  |
| Pilot medium                   | Compressed air to ISO 8573-1:2010 [7:4:4]                                        |
| Ambient temperature            | -5 °C ... 50 °C                                                                  |
| Product weight                 | 190 g                                                                            |
| 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   | G1/4                                                                             |
| Pneumatic connection, port 2   | G1/4                                                                             |
| Pneumatic connection, port 3   | G1/4                                                                             |
| Pneumatic connection, port 4   | G1/4                                                                             |
| Pneumatic connection, port 5   | G1/4                                                                             |
| Note on materials              | RoHS-compliant                                                                   |
| Material seals                 | NBR                                                                              |
| Material housing               | Die-cast aluminium                                                               |