

# Proportional-pressure regulator VEAA-L-3-D11-Q4-A4-1R1

FESTO

Part number: 8046906



[PDF](#) General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | 3-way proportional pressure regulator                  |
| Type of piloting                                      | Direct   |
| Type of reset   | Mechanical spring                                      |
| Type of actuation                                     | Electric   |
| Mounting position                                     | optional   |
| Sealing principle                                     | Soft   |
| Symbol  | 00995607   |
| Ambient temperature                                   | 0 °C ... 50 °C   |
| Media temperature                                     | 5 °C ... 50 °C   |
| Storage temperature                                   | -20 °C ... 70 °C                                       |
| Dimensions (W x L x H)                                | 15 x 54.5 x 85 mm                                      |
| Pneumatic connection, port 1                          | QS-4   |
| Pneumatic connection, port 2                          | QS-4   |
| Pneumatic connection, port 3                          | QS-4   |
| Material seals  | NBR  |
| Type of mounting                                      | With through-hole<br>With accessories                  |
| Inlet pressure 1                                      | 0 MPa ... 1.1 MPa                                      |
| Inlet pressure 1                                      | 0 bar ... 11 bar                                       |
| Inlet pressure 1                                      | 0 psi ... 159.5 psi                                    |
| Output pressure 2                                     | 0.005 MPa ... 1 MPa                                    |
| Output pressure 2                                     | 0.05 bar ... 10 bar                                    |
| Output pressure 2                                     | 0.725 psi ... 145 psi                                  |
| Standard nominal flow rate (standardised to DIN 1343) | ≥13 l/min  |
| Standard nominal flow rate 2-3                        | ≥7.5 l/min   |
| Linearity   | 0.5 %FS  |
| Reproducibility                                       | 0.4 %FS  |
| Hysteresis  | 0.25 %FS   |
| Temperature coefficient                               | 0.05 %/K   |
| Total accuracy  | 0.75% FS   |
| Product weight  | 55 g   |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [7:4:4]<br>Inert gas |
| Note on operating and pilot medium                    | Lubricated operation not possible                      |

| Feature                                      | Value  |
|--|--|
| Degree of protection                         | IP65   |
| Approval                                     | RCM trademark  |
| KC mark                                      | KC-EMV   |
| CE mark (see declaration of conformity)      | To EU EMC Directive<br>In accordance with EU RoHS Directive  |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions  |
| Note on materials                            | RoHS-compliant   |
| LABS (PWIS) conformity                       | VDMA24364 zone III   |
| Corrosion resistance class CRC               | 2 - Moderate corrosion stress  |
| Operational voltage range DC                 | 19 V ... 29 V  |
| Nominal operating voltage DC                 | 24 V   |
| Residual ripple                              | 10 %   |
| Setpoint value                               | 4 - 20 mA  |
| Signal range analogue output                 | 4 - 20 mA  |
| Accuracy analogue output in ± %FS            | 2 %FS  |
| Max. electrical power consumption            | 1 W  |
| Reverse polarity protection                  | For all electrical connections   |
| Short circuit current rating                 | For all electrical connections   |
| Safety instructions                          | Safety position VEAA/VEAB: if the electrical power supply fails, the output pressure is maintained unregulated and may rise or fall – valve blocked. |
| Display type                                 | LED  |
| Electrical connection                        | M8x1<br>Plugs<br>To EN 60947-5-2   |
| Material housing                             | PA-reinforced  |