

# Proportional-pressure regulator VEAB-L-26-D14-Q4-V1-1R1

FESTO

Part number: 8046307



[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                                     | Electrical                            |
| Mounting position                                     | Any                                   |
| Sealing principle                                     | Soft                                  |
| Total leakage   | 1 l/h                                 |
| 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)                                | 18 mm x 60.5 mm 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                                 |
| Inlet pressure 1                                      | 0 bar                                 |
| Inlet pressure 1                                      | 0 psi                                 |
| Output pressure 2                                     | -0.1 MPa ... -5.0E-4 MPa              |
| Output pressure 2                                     | -1 bar ... -0.005 bar                 |
| Output pressure 2                                     | -14.5 psi ... -0.0725 psi             |
| Input pressure 3                                      | -0.1 MPa                              |
| Input pressure 3                                      | -1 bar                                |
| Input pressure 3                                      | -14.5 psi                             |
| Standard nominal flow rate (standardised to DIN 1343) | ≥4.5 l/min                            |
| Standard nominal flow rate 2-3                        | ≥3 l/min                              |
| Linearity   | 0.5 %FS                               |
| Reproducibility                                       | 0.4 %FS                               |
| Hysteresis  | 0.25 %FS                              |
| Temperature coefficient                               | 0.05 %/K                              |
| Total accuracy  | 0.75 %FS                              |

| Feature                                      | Value  |
|--|--|
| Product weight                               | 70 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  |
| Degree of protection                         | IP65   |
| Approval                                     | RCM  |
| 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                               | 0 - 10 V   |
| Signal range analogue output                 | 0 - 10 V   |
| Accuracy analogue output in $\pm$ %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>Plug<br>To EN 60947-5-2  |
| Material housing                             | Reinforced PA  |