

# proportional pressure regulator

## VEAB-L-26-D13-Q4-A4-1R1

Part number: 8067678

FESTO



## Data sheet

| Feature  | Value   |
|--|---|
| Valve function                                 | 3-way proportional-pressure regulator                                   |
| Type of piloting                               | direct  |
| Type of reset                                  | mechanical spring   |
| Type of actuation                              | electrical  |
| Assembly position                              | Any   |
| Sealing principle                              | soft  |
| Ambient temperature                            | 0 ... 50 °C   |
| Medium temperature                             | 5 ... 50 °C   |
| Storage temperature                            | -20 ... 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   |
| Mounting type                                  | with through hole<br>with accessories<br>Optional                       |
| Supply pressure 1 MPa                          | 0 ... 0.2 MPa   |
| Inlet pressure 1                               | 0 ... 2 bar   |
| Supply pressure 1 psi                          | 0 ... 29 psi  |
| Output pressure 2                              | -0.1 ... 0.1 MPa<br>-1 ... 1 bar<br>-14.5 ... 14.5 psi                  |
| Input pressure 3                               | -0.1 MPa<br>-1 bar<br>-14.5 psi   |
| Standard nominal flow rate                     | ≥ 17 l/min  |
| Standard nominal flow rate 2-3                 | ≥ 13 l/min  |
| Linearity error, FS                            | 0.5 %   |
| Repetition accuracy in ± %FS                   | 0.4 %FS   |
| Hysteresis FS                                  | 0.25 %FS  |
| Temperature coefficient                        | 0.05 %/K  |
| Absolute accuracy in ± %FS at room temperature | 0.75 %FS  |
| Product weight                                 | 70 g  |
| Operating medium                               | Compressed air in accordance with ISO8573-1:2010 [7:4:4]<br>Inert gases |
| Note on operating and pilot medium             | Lubricated operation not possible                                       |
| Protection class                               | IP65  |
| Authorisation                                  | RCM Mark  |
| KC mark  | KC-EMV  |
| CE mark (see declaration of conformity)        | to EU directive for EMC<br>in accordance with EU RoHS directive         |
| UKCA marking (see declaration of conformity)   | To UK instructions for EMC<br>To UK RoHS instructions                   |
| Materials note                                 | Conforms to RoHS  |
| PWIS conformity                                | VDMA24364 zone III  |

| <b>Feature</b>                          | <b>Value</b>                             |
|---|--|
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress            |
| Operating voltage range DC              | 19 ... 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 FS            | 2 %FS                                    |
| Max. electrical power consumption       | 1 W                                      |
| Polarity protected                      | for all electrical connections           |
| Short circuit strength                  | for all electrical connections           |
| Safety instructions                     | Safety position VEAA/VEAB                |
| Type of display                         | LED                                      |
| Electrical connection                   | 4-pin<br>M8x1<br>Plug<br>to EN 60947-5-2 |
| Material housing                        | PA-reinforced                            |