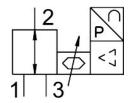
Proportional-pressure regulator VEAB-L-26-D7-Q4-LK-1R1 Part number: 8191405

FESTO





Data sheet

| Feature | Value |
|---|---|
| Valve function | 3-way proportional-pressure regulator, closed |
| Flow direction | Non-reversible |
| Type of piloting | Direct |
| Type of reset | Mechanical spring |
| Type of actuation | Electric |
| Mounting position | optional |
| Grid dimension | 18 mm |
| Sealing principle | Soft |
| Total leakage | 1 l/h |
| Ambient temperature | 0 °C50 °C |
| Media temperature | 5 °C50 °C |
| Storage temperature | -20 °C70 °C |
| Relative air humidity | 5 - 85 % |
| Dimensions (W x L x H) | 18 x 60.5 x 85 mm |
| Pneumatic connection, port 1 | QS-4 |
| Pneumatic connection, port 2 | QS-4 |
| Pneumatic connection, port 3 | QS-4 |
| Material seals | EPDM HNBR NBR |
| Type of mounting | Either: With through-hole With accessories |
| Inlet pressure 1 | 0 MPa0.3 MPa 0 bar3 bar 0 psi43.5 psi |
| Burst pressure | 18 bar |
| Output pressure 2 | 0 MPa0.1 MPa 0 bar1 bar 0 psi14.5 psi |
| Standard nominal flow rate (standardised to DIN 1343) | 13 l/min |
| Standard nominal flow rate 2-3 | 12 l/min |
| Linearity | 0.35 %FS |

| Feature | Value |
|--|--|
| Reproducibility | 0.2 %FS |
| Hysteresis | 0.25 %FS |
| Temperature cooefficient | 0.05 %/K |
| Total accuracy | 0.5% FS |
| Product weight | 70 g |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases |
| Note on operating and pilot medium | Lubricated operation not possible |
| Nominal altitude of use | < 3000 m NHN |
| Instructions on use | The device has been developed, designed and built exclusively for industrial and commercial use. The device has not been authorised for private use. |
| Degree of protection | IP65 |
| Approval | RCM trademark |
| KC mark | KC-EMV |
| CE mark (see declaration of conformity) | To EU EMC Directive In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC 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 | 18 V30 V |
| Nominal operating voltage DC | 24 V |
| Max. current consumption | 83 mA |
| Residual ripple | 10 % |
| Setpoint value input | IO-Link |
| Max. electrical power consumption | 1.5 W |
| Reverse polarity protection | For all electrical connections |
| Short circuit current rating | For all electrical connections |
| Safety instructions | Error status VEAB: If the electrical power supply fails, the output pressure will be unregulated and may rise or fall – pressure regulator is blocked. The behaviour in the event of loss of IO-Link® communication can be parameterised. Factory setting: Pressure regulator blocked. |
| Display type | LED |
| Electrical connection | 4-pin M8x1 Plugs To EN 60947-5-2 |
| Max. cable length | 20 m |
| Material housing | PA-reinforced |
| 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 |
| IO-Link, Number of ports | 1 |
| IO-Link, Protocol version | Device V 1.1 |
| IO-Link, Device ID | 0x03A4 |
| IO-Link, communication mode | COM3 (230.4 kBaud) |
| IO-Link, port type | Class A |
| IO-Link, connection technology | Device 3-pin |
| IO-Link, Port class | Device A |
| IO-Link, Min. cycle time | 0.5 ms |
| IO-Link, Process data length OUT | 2 bytes |
| IO-Link, Process data length IN | 2 bytes |