

Proportional pressure control valve VEAB-B-26-D9-F-LK-1R1

Part number: 8191412

FESTO



Data sheet

| Feature | Value |
|--------------------------------|--|
| Valve function | 3-way proportional pressure control valve closed |
| Flow direction | Non-reversible |
| Type of control | Direct |
| Reset method | Mechanical spring |
| Actuation type | Electrical |
| Mounting position | Any |
| Width dimension | 18 mm |
| Sealing principle | Soft |
| Total leakage | 1 l/h |
| Ambient temperature | 0 °C...50 °C |
| Temperature of medium | 5 °C...50 °C |
| Storage temperature | -20 °C...70 °C |
| Relative air humidity | 5 - 85 % |
| Dimensions W x L x H | 18 mm x 67 mm x 66 mm |
| Pneumatic connection 1 | Flange |
| Pneumatic connection 2 | Flange |
| Pneumatic connection 3 | Flange |
| Seals material | EPDM HNBR NBR |
| Type of mounting | Optionally: With through-hole With accessories |
| Inlet pressure 1 MPa | 0 MPa...0.65 MPa |
| Inlet pressure 1 | 0 bar...6.5 bar |
| Inlet pressure 1 psi | 0 psi...94.25 psi |
| Burst pressure | 18 bar |
| Output pressure 2 | 0 MPa...0.6 MPa 0 psi...87 psi |
| Outlet pressure 2 | 0 bar...6 bar |
| Standard nominal flow rate | 20 l/min |
| Standard nominal flow rate 2-3 | 20 l/min |

| Feature | Value |
|--|--|
| Linearity | 0.25 %FS |
| Reproducibility | 0.2 %FS |
| Hysteresis | 0.25 %FS |
| Temperature coefficient | 0.05 %/K |
| Overall accuracy | 0.5% FS |
| Product weight | 70 g |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas |
| Information on operating and pilot media | Operation with oil lubrication not possible |
| Nominal altitude of use above sea level | < 3000 m NHN |
| Application note | The device was developed, designed and built exclusively for industrial and commercial applications. The device has not been approved for private use. |
| Degree of protection | IP65 |
| Certification | RCM compliance mark |
| KC characters | KC EMC |
| CE marking (see declaration of conformity) | As per EU EMC directive As per 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 |
| DC operating voltage range | 18 V...30 V |
| Nominal operating voltage DC | 24 V |
| Max. current consumption | 83 mA |
| Residual ripple | 10 % |
| Setpoint input | IO-Link® |
| Max. electrical power consumption | 1.5 W |
| Reverse polarity protection | for all electrical connections |
| Short-circuit protection | For all electrical connections |
| Safety instructions | Error state VEAB: In the event of an electrical power failure, output pressure is unregulated and may rise or fall – pressure regulator is blocked. The behavior in the event of loss of IO-Link® communication can be parameterized. Factory setting: Pressure regulator blocked. |
| Display type | LED |
| Electrical connection | 4-pin M8x1 Plug as per EN 60947-5-2 |
| Max. cable length | 20 m |
| Housing material | PA-reinforced |
| Vibration resistance | Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 |
| Shock resistance | Shock test with severity level 2 as per 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 | 0x03A2 |
| IO-Link®, communication mode | COM3 (230.4 kBd) |
| IO-Link, port type | Class A |
| IO-Link®, Connection technology | Device 3-pin |
| IO-Link®, port class | Device A |
| IO-Link®, minimum cycle time | 0.5 ms |
| IO-Link®, process data width OUT | 2 Byte |
| IO-Link®, process data width IN | 2 Byte |