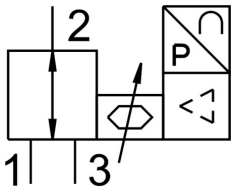
# Proportional pressure control valve
# VEAA-B-3-D9-F-V1-1R1

Part number: 8046894






## Data sheet

| Feature | Value |
|---|---|
| Type code | VEAA |
| KC characters | KC EMC |
| Absolute accuracy in ± %FS at room temperature | 0.75 %FS |
| Analog output signal range | 0 - 10 V |
| Valve function | 3-way proportional pressure control valve |
| Type of control | Direct |
| Reset method | Mechanical spring |
| Actuation type | Electrical |
| Mounting position | Any |
| Sealing principle | Soft |
| Symbol | 00995607 |
| Ambient temperature | 0 °C ... 50 °C |
| Temperature of medium | 5 °C ... 50 °C |
| Storage temperature | -20 °C ... 70 °C |
| Dimensions W x L x H | 15 mm x 61 mm x 66 mm |
| Pneumatic connection 1 | Flange |
| Pneumatic connection 2 | Flange |
| Pneumatic connection 3 | Flange |
| Seals material | NBR |
| Type of mounting | Optionally:<br>With through-hole<br>With accessories |
| Inlet pressure 1 | 0 bar ... 11 bar |
| Outlet pressure 2 | 0.03 bar ... 6 bar |
| Standard nominal flow rate | ≥10 l/min |
| Standard nominal flow rate 2-3 | ≥6 l/min |
| Linearity error FS | 0.5 % |
| Repetition accuracy in ± %FS | 0.4 %FS |
| Hysteresis in ± %FS | 0.25 %FS |
| Temperature coefficient | 0.05 %/K |
| Product weight | 55 g |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4]<br>Inert gas |
| Information on operating and pilot media | Operation with oil lubrication not possible |
| Degree of protection | IP65 |
| CE marking (see declaration of conformity) | As per EU EMC directive |

| Feature | Value |
|---|---|
| Note on materials | Contains paint-wetting impairment substances<br>RoHS-compliant |
| Certification | RCM compliance mark |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| DC operating voltage range | 19 V ... 29 V |
| Nominal operating voltage DC | 24 V |
| Residual ripple | 10 % |
| Reference value | 0 - 10 V |
| Precision analog output in ± %FS | 2 %FS |
| Max. electrical power consumption | 1 W |
| Reverse polarity protection | for all electrical connections |
| Short-circuit protection | For all electrical connections |
| Safety instructions | VEAA/VEAB safety position: if the electrical power supply is lost, the outlet pressure is maintained in uncontrolled form, it may increase or fall – pneumatic valve blocked. |
| Display type | LED |
| Electrical connection | 4-pin<br>M8x1<br>Plug<br>as per EN 60947-5-2 |
| Housing material | PA-reinforced |