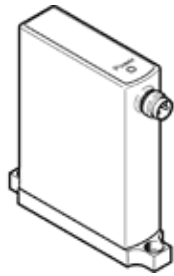


proportional pressure regulator

VEAA-B-3-D9-F-A4-1R1

Part number: 8046895

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 | 15 mm x 61 mm x 66 mm |
| Pneumatic connection, port 1 | Flange |
| Pneumatic connection, port 2 | Flange |
| Pneumatic connection, port 3 | Flange |
| Material seals | NBR |
| Mounting type | with through hole with accessories Optional |
| Inlet pressure 1 | 0 ... 11 bar |
| Output pressure 2 | 0.03 ... 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 FS | 0.25 %FS |
| Temperature coefficient | 0.05 %/K |
| Absolute accuracy in ± %FS at room temperature | 0.75 %FS |
| Product weight | 55 g |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] 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 |
| Materials note | Contains PWIS substances Conforms to RoHS |
| 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 |

| Feature | Value |
|-----------------------|--|
| Safety instructions | Safety position VEAA/VEAB |
| Type of display | LED |
| Electrical connection | 4-pin M8x1 Plug to EN 60947-5-2 |
| Material housing | PA-reinforced |