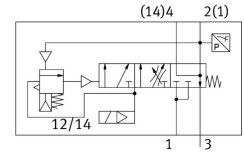


Soft-start valve VABF-S6-1-P5A4S1S-G12-1T5-PA

Part number: 8067411

FESTO



General operating condition

Data sheet

| Feature | Value |
|---|--|
| Max. positive test pulse with 0 signal | 2000 µs |
| Max. negative test pulse on 1 signal | 1200 µs |
| Width | 40 mm |
| Length | 155 mm |
| Width dimension | 41 mm |
| Valve size | 40 mm |
| 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 |
| Actuation type | Electrical |
| Sealing principle | Soft |
| Mounting position | Any |
| Manual override | None |
| Structural design | Piston gate valve |
| Reset method | Mechanical spring |
| Type of control | Piloted |
| Pilot air supply port | Internal |
| Flow direction | Non-reversible |
| Symbol | 00997588 |
| Valve function | Pressurization Exhaust |
| Switching element function | NC contact |
| Lap | Negative overlap |
| Additional functions | Holding current reduction |
| Note on forced dynamization | Switching frequency at least once a month |
| Signal status display | Yellow LED, valve actuation Green LED, pressure switch, exhausted status |
| Switching position sensing | Via pressure switch, exhausted status |
| Operating pressure | 0.3 MPa ... 1 MPa |
| Operating pressure | 3 bar ... 10 bar |
| Pilot pressure MPa | 0.3 MPa ... 1 MPa |
| Pilot pressure | 3 bar ... 10 bar |
| Changeover pressure | Not adjustable Switching point between 50 - 75% of operating pressure |
| Suitability for vacuum | No |
| Standard nominal flow rate pressurization | 3000 l/min |

| Feature | Value |
|--|---|
| Note on standard nominal flow rate, pressurization | MPA: 1200 l/min VTSA: 3000 l/min |
| Standard nominal flow rate exhaust air | 3300 l/min |
| Note on standard nominal flow rate, exhaust air | MPA: 1600 l/min VTSA: 3300 l/min |
| Duty cycle | 100% |
| Nominal pick-up current per solenoid coil | 60 mA up to 35 ms |
| Nominal operating voltage DC | 24 V |
| Nominal current with current reduction | 11 mA after 35 ms |
| Coil characteristics | 24 V DC: 1.6 W |
| Permissible voltage fluctuations | +/- 10% |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication not possible |
| Corrosion resistance class (CRC) | 0 - No corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Storage temperature | -20 °C ... 60 °C |
| Temperature of medium | -5 °C ... 50 °C |
| Relative air humidity | Max. 90% at 40°C |
| Degree of protection | IP65 |
| Pilot medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Ambient temperature | -5 °C ... 50 °C |
| MTTF, subcomponent | 452 years, pressure switch |
| Product weight | 466 g |
| Min. switch-off point | 0.05 bar |
| Switch-on point | 0.2 bar |
| Max. switch-on point | 0.3 bar |
| Electrical actuation | Fieldbus |
| Electrical connection | Plug-in |
| Type of mounting | On sub-base |
| Pneumatic connection 3 | G1/2 |
| Note on materials | RoHS compliant |
| Seals material | HNBR NBR |
| Housing material | Wrought aluminum alloy |
| Material of screws | Galvanized steel |