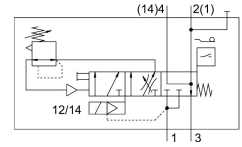
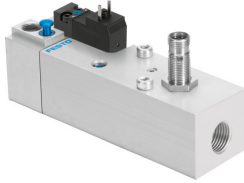


# Soft start valve VABF-S6-1-P5A4-N12-4-1-N

Part number: 558234

**FESTO**



## Data sheet

| Feature                                | Value                                                                                      |
|----------------------------------------|--------------------------------------------------------------------------------------------|
| Max. positive test pulse with 0 signal | 2500 µs                                                                                    |
| Max. negative test pulse with 1 signal | 1400 µs                                                                                    |
| 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                          |
| Based on standard                      | ISO 5599-2                                                                                 |
| Type of actuation                      | Electric                                                                                   |
| Sealing principle                      | Soft                                                                                       |
| Mounting position                      | optional                                                                                   |
| Manual override                        | Detenting<br>Self-resetting via electrical control signal                                  |
| Design                                 | Piston gate valve                                                                          |
| Type of reset                          | Mechanical spring                                                                          |
| Type of piloting                       | Pilot actuated                                                                             |
| Pilot air supply                       | Internal                                                                                   |
| Flow direction                         | Non-reversible                                                                             |
| Valve function                         | Soft-start function                                                                        |
| Switching element function             | N/O contact                                                                                |
| Note on forced dynamization            | Switching frequency min. 1/month                                                           |
| Switching position sensing             | Switching position via sensor                                                              |
| Operating pressure                     | 0.2 MPa...1.2 MPa<br>2 bar...12 bar                                                        |
| Switchover pressure presetting         | 0.4 MPa                                                                                    |
| Standard nominal flow rate ventilation | 3000 l/min                                                                                 |
| Standard nominal flow rate for exhaust | 3300 l/min                                                                                 |
| Nominal operating voltage DC           | 24 V                                                                                       |
| Characteristic coil data               | 24 V DC: 2.5 W                                                                             |
| Permissible voltage fluctuations       | +/- 10 %                                                                                   |
| Operating medium                       | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |
| Note on operating and pilot medium     | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC         | 0 - No corrosion stress                                                                    |

| Feature                      | Value                                                |
|------------------------------|------------------------------------------------------|
| LABS (PWIS) conformity       | VDMA24364-B1/B2-L                                    |
| Degree of protection         | IP65<br>NEMA 4                                       |
| Ambient temperature          | -5 °C...50 °C                                        |
| Product weight               | 605 g                                                |
| Electrical connection        | Type C<br>Plugs<br>To EN 175301-803<br>Square design |
| Sensor connection            | Plug<br>4-pin<br>M12x1                               |
| Type of mounting             | On sub-base                                          |
| Pilot air port 12/14         | Sub-base size 1 to ISO 5599-2                        |
| Pneumatic connection, port 1 | Sub-base size 1 to ISO 5599-2                        |
| Pneumatic connection, port 2 | Sub-base size 1 to ISO 5599-2                        |
| Pneumatic connection, port 3 | G1/2                                                 |
| Pneumatic connection, port 4 | Sub-base size 1 to ISO 5599-2                        |
| Note on materials            | RoHS-compliant                                       |
| Material seals               | HNBR<br>NBR                                          |
| Material housing             | Wrought aluminium alloy                              |
| Material screws              | Steel<br>Galvanised                                  |