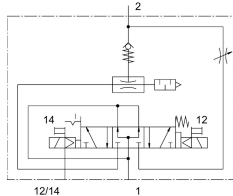
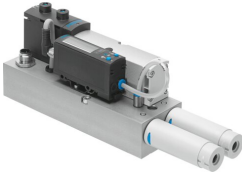


# Vacuum block VABF-S4-1-V2B1-C-VH-20

Part number: 571425

**FESTO**



## Data sheet

| Feature                       | Value                                                                                                                                                     |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nominal size, Laval nozzle    | 2 mm                                                                                                                                                      |
| Silencer design               | Open                                                                                                                                                      |
| Reverse polarity protection   | For all electrical connections                                                                                                                            |
| Mounting position             | optional                                                                                                                                                  |
| Ejector characteristic        | High vacuum<br>Standard                                                                                                                                   |
| Manual override               | Detenting<br>Non-detenting<br>Covered                                                                                                                     |
| Integrated function           | Electric ejector pulse valve<br>Flow control<br>Electric on-off valve<br>Air saving function, electrical<br>Check valve<br>Open silencer<br>Vacuum switch |
| Design                        | Non-modular                                                                                                                                               |
| Short circuit current rating  | yes                                                                                                                                                       |
| Measured variable             | Relative pressure                                                                                                                                         |
| Measuring principle           | Piezoresistive                                                                                                                                            |
| Switching function            | Threshold value comparator                                                                                                                                |
| Valve function                | 5/3-way, pressurised                                                                                                                                      |
| Switching element function    | N/O contact                                                                                                                                               |
| Setting range hysteresis      | -0.9 bar...0 bar                                                                                                                                          |
| Setting range threshold value | -0.999 bar...0 bar                                                                                                                                        |
| Operating pressure            | 4 bar...8 bar                                                                                                                                             |
| Nominal operating pressure    | 6 bar                                                                                                                                                     |
| Operational voltage range DC  | 21.6 V...26.4 V                                                                                                                                           |
| Inductive protective circuit  | Adapted to MZ, MY, ME coils                                                                                                                               |
| No-load supply current        | 50 mA...150 mA                                                                                                                                            |
| Max. output current           | 50 mA                                                                                                                                                     |
| Duty cycle                    | 100%                                                                                                                                                      |
| Voltage drop                  | 1.5 V                                                                                                                                                     |

| Feature                            | Value                                     |
|------------------------------------|-------------------------------------------|
| Characteristic coil data           | 24 V DC: 1.3 W                            |
| Overload protection                | Available                                 |
| Operating medium                   | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation not possible         |
| Corrosion resistance class CRC     | 0 - No corrosion stress                   |
| LABS (PWIS) conformity             | VDMA24364 zone III                        |
| Media temperature                  | 0 °C...50 °C                              |
| Sound pressure level               | 78 dB(A)                                  |
| Degree of protection               | IP65                                      |
| Ambient temperature                | 0 °C...50 °C                              |
| Product weight                     | 1120 g                                    |
| Pressure measuring range           | -1 bar...0 bar                            |
| Accuracy in ± % FS                 | 3 %FS                                     |
| Type of mounting                   | On sub-base                               |
| Pneumatic connection, port 1       | Sub-base size 26 mm to ISO 15407-2        |
| Pneumatic connection, port 3       | Sub-base size 26 mm to ISO 15407-2        |
| Note on materials                  | RoHS-compliant                            |
| Material seals                     | NBR                                       |
| Material housing                   | Wrought aluminium alloy                   |
| Material screws                    | Steel<br>Galvanised                       |
| Material connector housing         | Die-cast zinc<br>Nickel-plated            |
| Material electrical contact        | Brass<br>Bronze                           |
| Material screen                    | PA                                        |
| Material keypad                    | TPE-U                                     |