

# Pneumatic interface VABA-S6-1-X2-F2-CB2-AL

Part number: 8152434

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                                    | Value                                                                                              |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 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                              |
| Valve manifold interface                                   | Type 44, VTSA-F-CB                                                                                 |
| Diagnostics                                                | Wire break per valve coil<br>Short circuit of pneumatic valves<br>Undervoltage of pneumatic valves |
| Max. no. of valve positions                                | 12 for bistable pneumatic valves<br>24 for monostable pneumatic valves                             |
| LED indicators                                             | 1 group diagnostics                                                                                |
| Parameterization                                           | Fail-safe modes per channel<br>Forcing per channel<br>Idle mode per channel<br>Module monitoring   |
| Fuse protection (short circuit)                            | Internal electronic fuse per pneumatic valve output                                                |
| DC operating voltage range                                 | 21.6 V ... 26.4 V                                                                                  |
| Intrinsic current consumption at nominal operating voltage | Typ. 15 mA for valves without CPX-FVDA-P2<br>Typ. 25 mA for electronics with CPX-FVDA-P2           |
| Max. power supply per channel                              | 0.2 A                                                                                              |
| Max. residual current per module                           | 2 A                                                                                                |
| Nominal operating voltage DC                               | 24 V                                                                                               |
| Electrical isolation between channel and internal bus      | Yes, when using an additional supply for the pneumatic valves                                      |
| CE marking (see declaration of conformity)                 | As per EU EMC directive<br>As per EU RoHS directive                                                |
| UKCA marking (see declaration of conformity)               | To UK instructions for EMC<br>To UK RoHS instructions                                              |
| Corrosion resistance class (CRC)                           | 0 - No corrosion stress                                                                            |
| LABS (PWIS) conformity                                     | VDMA24364-B1/B2-L                                                                                  |
| Storage temperature                                        | -20 °C ... 60 °C                                                                                   |
| Degree of protection                                       | IP65                                                                                               |
| Ambient temperature                                        | -5 °C ... 50 °C                                                                                    |
| Product weight                                             | 1596 g                                                                                             |
| Electrical actuation                                       | Fieldbus                                                                                           |
| Electrical connection output, function                     | Safe digital output                                                                                |
| Electrical connection output, connection type              | Socket                                                                                             |
| Electrical connection output, connection technology        | M12x1 A-coded as per EN 61076-2-101                                                                |
| Electrical output connection, number of pins/wires         | 5                                                                                                  |
| Electrical connection valve, function                      | Power supply valve                                                                                 |

| Feature                                                      | Value                     |
|--------------------------------------------------------------|---------------------------|
| Pneumatic valve electrical connection, connection type       | Plug                      |
| Electrical pneumatic valve connection, connection technology | 7/8" round plug connector |
| Electrical pneumatic valve connection, number of pins/wires  | 5                         |
| Electrical connection                                        | Via CPX                   |
| Note on materials                                            | RoHS-compliant            |
| Material of sub-base                                         | Die-cast aluminum         |
| Cover material                                               | PA                        |
| Seals material                                               | NBR                       |
| Material of screws                                           | Steel                     |