

# Valve VOFC-L

Part number: 3344863

FESTO



Exemplary representation

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature   | Value   |
|---|---|
| Valve function                                    | 3/2 closed, monostable<br>5/2 bistable<br>5/2 monostable  |
| Type of actuation                                 | electrical  |
| Width   | 40 mm   |
| Standard nominal flow rate                        | 913 ... 1,030 l/min   |
| Operating pressure MPa                            | 0.25 ... 1 MPa  |
| Working pressure                                  | 2.5 ... 10 bar  |
| Design structure                                  | Piston slide  |
| Type of reset                                     | mechanical spring   |
| Protection class                                  | IP50<br>IP65  |
| CE symbol (see declaration of conformity)         | according to EU-Ex protection guideline (ATEX)  |
| Explosion protection certification outside the EU | EPL Db (IEC-EX)<br>EPL Db (KR)<br>EPL Gb (IEC-EX)<br>EPL Gb (KR)  |
| Certificate issuing department                    | BVS14ATEXE098X<br>IECEX BVS14.0063X<br>KGS15-GA4BO-0565X  |
| ATEX category Gas                                 | II 2G   |
| ATEX category Dust                                | II 2D   |
| Explosion ignition protection type Gas            | Ex ia IIC T6, T5 Gb   |
| Explosion ignition protection type Dust           | Ex ia IIIC T85°C, T125°C Db   |
| Explosion-proof ambient temperature               | T5, T125°C: -40°C ≤ Ta ≤ +70°C<br>T6, T85°C: -40°C ≤ Ta ≤ +30°C   |
| Nominal size                                      | 6 mm  |
| Sealing principle                                 | soft  |
| Assembly position                                 | Any   |
| Manual override                                   | detenting<br>None<br>Pushing  |
| Type of piloting                                  | Piloted   |
| Pilot air supply                                  | external<br>Internal  |
| Flow direction                                    | non reversible  |
| Safety Integrity Level (SIL)                      | Product can be used in SRP/CS up to SIL 2 (high demand)<br>Product can be used in SRP/CS up to SIL 2 low demand |
| Flow rate Kv ventilation                          | 0.66 ... 1.08 m <sup>3</sup> /h   |
| Flow rate Kv exhaust                              | 0.66 ... 1.08 m <sup>3</sup> /h   |
| Standard nominal flow rate 2-3                    | 978 ... 983 l/min   |
| Switching time off                                | 22 ms   |
| Switching time on                                 | 26 ms   |
| Operating medium                                  | Druckl. ISO8573-1:2010[7:2:2]   |

| Feature                                 | Value   |
|---|---|
| Corrosion resistance classification CRC | 4 - Very high corrosion stress                      |
| PWIS conformity                         | VDMA24364 zone III                                  |
| Medium temperature                      | -25 ... 60 °C                                       |
| Ambient temperature                     | -25 ... 60 °C                                       |
| Product weight                          | 430 ... 960 g                                       |
| Pneumatic connection, port 1            | G1/4<br>1/4 NPT                                     |
| Pneumatic connection, port 2            | Flange 1/4<br>G1/4<br>1/4 NPT<br>NAMUR port pattern |
| Pneumatic connection, port 3            | G1/4<br>1/4 NPT                                     |
| Pneumatic connection, port 4            | Flange 1/4<br>G1/4<br>NAMUR port pattern<br>1/4 NPT |
| Pneumatic connection, port 5            | G1/4<br>1/4 NPT                                     |
| Materials note                          | Conforms to RoHS                                    |
| Material seals                          | EPDM<br>NBR<br>VMQ                                  |
| Material housing                        | Aluminium (Ematal coated)<br>PBT-reinforced         |