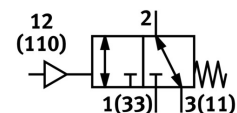


# Pneumatic valve VL/O-3-1/2-EX

Part number: 536030

FESTO



General operating condition

## Data sheet

| Feature                                           | Value                                       |
|---------------------------------------------------|---------------------------------------------|
| Valve function                                    | 3/2-way, monostable, open/closed            |
| Type of actuation                                 | Pneumatic                                   |
| Construction width                                | 52 mm                                       |
| Standard nominal flow rate                        | 3700 l/min                                  |
| pneumatic working port                            | G1/2                                        |
| Operating pressure                                | -0.095 MPa ... 1 MPa                        |
| Operating pressure                                | -0.95 bar ... 10 bar                        |
| Design                                            | Poppet seat                                 |
| Type of reset                                     | Mechanical spring                           |
| CE mark (see declaration of conformity)           | To EU Explosion Protection Directive (ATEX) |
| CE marking (see declaration of conformity)        | To UK EX instructions                       |
| ATEX category gas                                 | II 2G                                       |
| ATEX category dust                                | II 2D                                       |
| Explosion ignition protection type for gas        | Ex h IIC T4 Gb                              |
| Explosion ignition protection type for dust       | Ex h IIIC T130°C Db                         |
| Explosion ambient temperature                     | -10°C ≤ Ta ≤ +60°C                          |
| Explosion protection certification outside the EU | EPL Db (GB)<br>EPL Gb (GB)                  |
| Nominal size                                      | 14 mm                                       |
| Grid dimension                                    | 69 mm                                       |
| Exhaust-air function                              | With flow control option                    |
| Sealing principle                                 | Soft                                        |
| Mounting position                                 | optional                                    |
| Manual override                                   | None                                        |
| Type of piloting                                  | Direct                                      |
| Pilot air supply                                  | External                                    |
| Flow direction                                    | Reversible                                  |
| Symbol                                            | 00991030                                    |
| lap                                               | Underlap                                    |
| Pilot pressure                                    | 0.1 MPa ... 1 MPa                           |
| Pilot pressure                                    | 1 bar ... 10 bar                            |
| b value                                           | 0.3                                         |
| Switching time off                                | 30 ms                                       |
| Switching time on                                 | 17 ms                                       |

| Feature                            | Value                                                                                                 |
|------------------------------------|-------------------------------------------------------------------------------------------------------|
| Explosion protection               | Zone 1 (ATEX)<br>Zone 1 (UKEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 21 (UKEX)<br>Zone 22 (ATEX) |
| 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     | 1 - Low corrosion stress                                                                              |
| LABS (PWIS) conformity             | VDMA24364-B1/B2-L                                                                                     |
| Storage temperature                | -20 °C ... 60 °C                                                                                      |
| Media temperature                  | -10 °C ... 60 °C                                                                                      |
| Pilot medium                       | Compressed air to ISO 8573-1:2010 [7:4:4]                                                             |
| Ambient temperature                | -10 °C ... 60 °C                                                                                      |
| Product weight                     | 860 g                                                                                                 |
| Type of mounting                   | Either:<br>On manifold rail<br>With through-hole                                                      |
| Breather connection                | M5                                                                                                    |
| Pilot air port 110                 | G1/4                                                                                                  |
| Pilot air port 12                  | G1/4                                                                                                  |
| Pneumatic connection, port 1       | G1/2                                                                                                  |
| Pneumatic connection, port 11      | G1/2                                                                                                  |
| Pneumatic connection, port 2       | G1/2                                                                                                  |
| Pneumatic connection, port 3       | G1/2                                                                                                  |
| Pneumatic port 33                  | G1/2                                                                                                  |
| Note on materials                  | RoHS-compliant                                                                                        |
| Material seals                     | NBR                                                                                                   |
| Material housing                   | Die-cast aluminium                                                                                    |