

# Pneumatic valve

## J-5/2-D-3-C-EX

Part number: 536015

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature   | Value   |
|---|---|
| Valve function  | 5/2 bistable  |
| Type of actuation                                     | Pneumatic   |
| Construction width                                    | 65 mm   |
| Standard nominal flow rate (standardised to DIN 1343) | 4500 l/min  |
| pneumatic working port                                | Sub-base size 3 to ISO 5599-1<br>G1/2   |
| Operating pressure                                    | -0.09 MPa ... 1.6 MPa   |
| Operating pressure                                    | -0.9 bar ... 16 bar   |
| Design  | Piston gate valve   |
| CE mark (see declaration of conformity)               | To EU Explosion Protection Directive (ATEX)   |
| UKCA 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  | 14.5 mm   |
| Grid dimension  | 71 mm   |
| Exhaust-air function                                  | With flow control option  |
| Sealing principle                                     | Soft  |
| Mounting position                                     | optional  |
| Conforms to standard                                  | ISO 5599-1  |
| Manual override                                       | None  |
| ISO code  | 301   |
| Type of piloting                                      | Direct  |
| Flow direction  | Reversible  |
| Symbol  | 00991037  |
| lap   | Overlap   |
| Pilot pressure  | 2 bar ... 16 bar  |
| Switching time reversal                               | 8 ms  |
| 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) |

| Feature                            | Value  |
|------------------------------------|--|
| 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) |
| Vibration resistance               | Transport application test with severity level 1 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                          |
| LABS (PWIS) conformity             | VDMA24364-B1/B2-L  |
| Media temperature                  | -10 °C ... 60 °C   |
| Sound pressure level               | 85 dB(A)   |
| Pilot medium                       | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| Ambient temperature                | -10 °C ... 60 °C   |
| Product weight                     | 810 g  |
| Type of mounting                   | On sub-base<br>Via through-hole and screw  |
| Pilot air port 12                  | Sub-base size 3 to ISO 5599-1  |
| Pilot air port 14                  | Sub-base size 3 to ISO 5599-1  |
| Pneumatic connection, port 1       | Sub-base size 3 to ISO 5599-1  |
| Pneumatic connection, port 2       | Sub-base size 3 to ISO 5599-1  |
| Pneumatic connection, port 3       | Sub-base size 3 to ISO 5599-1  |
| Pneumatic connection, port 4       | Sub-base size 3 to ISO 5599-1  |
| Pneumatic connection, port 5       | Sub-base size 3 to ISO 5599-1  |
| Note on materials                  | RoHS-compliant   |
| Material seals                     | HNBR<br>NBR  |
| Material housing                   | Die-cast aluminium   |