

# pneumatic valve

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

Part number: 536015

FESTO

5/2-way valve, bistable, pneumatically operated



## Data sheet

| Feature   | Value  |
|---|--|
| Valve function                                    | 5/2 bistable   |
| Type of actuation                                 | pneumatic  |
| Width   | 65 mm  |
| Standard nominal flow rate                        | 4,500 l/min  |
| Operating pressure MPa                            | -0.09 ... 1.6 MPa  |
| Operating pressure                                | -0.9 ... 16 bar  |
| Design structure                                  | Piston slide   |
| CE mark (see declaration of conformity)           | to EU directive explosion protection (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 Gas            | Ex h IIC T4 Gb   |
| Explosion ignition protection type Dust           | Ex h IIIC T130°C Db  |
| Explosion-proof 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                              | throttleable   |
| Sealing principle                                 | soft   |
| Assembly position                                 | Any  |
| Conforms to standard                              | ISO 5599-1   |
| Manual override                                   | None   |
| ISO code  | 301  |
| Type of piloting                                  | direct   |
| Flow direction                                    | reversible   |
| Overlap   | Positive overlap   |
| Pilot pressure                                    | 2 ... 16 bar   |
| Switching time reversal                           | 8 ms   |
| Operating medium                                  | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                             |
| Note on operating and pilot medium                | Lubricated operation possible (subsequently required for further operation)          |
| Vibration resistance                              | Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 |
| Shock resistance                                  | Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27    |
| PWIS conformity                                   | VDMA24364-B1/B2-L  |
| Medium temperature                                | -10 ... 60 °C  |
| Sound pressure level                              | 85 dB(A)   |
| Pilot medium                                      | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                             |
| Ambient temperature                               | -10 ... 60 °C  |
| Product weight                                    | 810 g  |
| Mounting type                                     | On sub-base<br>With through-hole and screw   |

| Feature                      | Value                                     |
|------------------------------|---|
| Pilot air port 12            | Connection plate size 3 as per ISO 5599-1 |
| Pilot air port 14            | Connection plate size 3 as per ISO 5599-1 |
| Pneumatic connection, port 1 | Connection plate size 3 as per ISO 5599-1 |
| Pneumatic connection, port 2 | Connection plate size 3 as per ISO 5599-1 |
| Pneumatic connection, port 3 | Connection plate size 3 as per ISO 5599-1 |
| Pneumatic connection, port 4 | Connection plate size 3 as per ISO 5599-1 |
| Pneumatic connection, port 5 | Connection plate size 3 as per ISO 5599-1 |
| Materials note               | Conforms to RoHS                          |
| Material seals               | HNBR<br>NBR                               |
| Material housing             | Aluminium die cast                        |