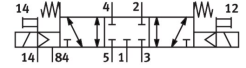


# Air solenoid valve CDVI5.0-MT2H-5/3GS

Part number: 196651

**FESTO**



[General operating condition](#)

## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Valve function                           | 5/3, closed                                                        |
| Actuation type                           | Electrical                                                         |
| Standard nominal flow rate               | 650 l/min                                                          |
| Pneumatic working port                   | Sub-base                                                           |
| Operating voltage                        | 24V DC                                                             |
| Operating pressure                       | -0.9 bar ... 10 bar                                                |
| Structural design                        | Piston gate valve                                                  |
| Reset method                             | Mechanical spring                                                  |
| Nominal width                            | 5 mm                                                               |
| Exhaust air function                     | With flow control option                                           |
| Sealing principle                        | Soft                                                               |
| Manual override                          | Non-detenting                                                      |
| Type of control                          | Pilot-controlled                                                   |
| Pilot air supply port                    | External                                                           |
| Flow direction                           | Reversible                                                         |
| Symbol                                   | 00991126                                                           |
| Note on forced dynamization              | Switching frequency at least once a month                          |
| Pilot pressure                           | 3 bar ... 8 bar                                                    |
| b-value                                  | 0.5                                                                |
| C value                                  | 2.55 l/sbar                                                        |
| Switching time off                       | 25 ms                                                              |
| On switching time                        | 12 ms                                                              |
| Changeover time                          | 17 ms                                                              |
| Operating medium                         | Compressed air as per ISO 8573-1:2010 [7:4:4]                      |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC)         | 3 - High corrosion stress                                          |
| LABS (PWIS) conformity                   | VDMA24364-B2-L                                                     |
| Temperature of medium                    | -5 °C ... 50 °C                                                    |
| Ambient temperature                      | -5 °C ... 50 °C                                                    |
| Product weight                           | 210 g                                                              |
| Type of mounting                         | Screw-in                                                           |
| Pilot exhaust air port 82/84             | Sub-base                                                           |
| Pneumatic connection 1                   | Sub-base                                                           |
| Pneumatic connection 2                   | Sub-base                                                           |
| Pneumatic connection 3                   | Sub-base                                                           |
| Pneumatic connection 4                   | Sub-base                                                           |

| Feature                | Value             |
|------------------------|-------------------|
| Pneumatic connection 5 | Sub-base          |
| Note on materials      | RoHS-compliant    |
| Seals material         | NBR<br>TPE-O      |
| Housing material       | Die-cast aluminum |