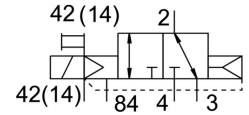


# Solenoid valve CDVI5.0-MT2H-1X3GLS-EXT

Part number: 547013

**FESTO**



General operating condition

## Data sheet

| Feature                            | Value                                                                                      |
|------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                     | 3/2-way, closed, monostable                                                                |
| Type of actuation                  | Electric                                                                                   |
| Standard nominal flow rate         | 500 l/min                                                                                  |
| pneumatic working port             | Sub-base                                                                                   |
| Operating voltage                  | 24V DC                                                                                     |
| Operating pressure                 | -0.9 bar ... 10 bar                                                                        |
| Design                             | Piston gate valve                                                                          |
| Type of reset                      | Pneumatic spring                                                                           |
| Nominal size                       | 5 mm                                                                                       |
| Exhaust-air function               | With flow control option                                                                   |
| Sealing principle                  | Soft                                                                                       |
| Manual override                    | Non-detenting                                                                              |
| Type of piloting                   | Pilot actuated                                                                             |
| Pilot air supply                   | External                                                                                   |
| Flow direction                     | Reversible                                                                                 |
| Symbol                             | 00991175                                                                                   |
| Note on forced dynamization        | Switching frequency min. 1/month                                                           |
| Pilot pressure                     | 3 bar ... 8 bar                                                                            |
| b value                            | 0.34                                                                                       |
| C value                            | 2.05 l/sbar                                                                                |
| Switching time off                 | 14 ms                                                                                      |
| Switching time on                  | 10 ms                                                                                      |
| 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     | 3 - high corrosion stress                                                                  |
| LABS (PWIS) conformity             | VDMA24364-B2-L                                                                             |
| Media temperature                  | -5 °C ... 50 °C                                                                            |
| Ambient temperature                | -5 °C ... 50 °C                                                                            |
| Product weight                     | 185 g                                                                                      |
| Type of mounting                   | Screw-in                                                                                   |
| Pilot exhaust port 82/84           | Sub-base                                                                                   |
| Pneumatic connection, port 1       | Sub-base                                                                                   |
| Pneumatic connection, port 2       | Sub-base                                                                                   |
| Pneumatic connection, port 3       | Sub-base                                                                                   |
| Pneumatic connection, port 4       | Sub-base                                                                                   |

| Feature                      | Value              |
|------------------------------|--------------------|
| Pneumatic connection, port 5 | Sub-base           |
| Note on materials            | RoHS-compliant     |
| Material seals               | NBR<br>TPE-O       |
| Material housing             | Die-cast aluminium |